

## District Technical Review Committee Meeting Agenda

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**Tuesday, September 17, 2024                      2:30-4:00pm                      CAADO 209/Zoom**

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Committee Members	Guests
<input type="checkbox"/> Steven Schmidt (Chair, MUS)	<input type="checkbox"/> Lijuan Zhai (AVC ES&IE, RCCD)
<input type="checkbox"/> Eric Bishop (Co-Chair, Int. VC Ed. Services)	<input type="checkbox"/> Bryan Medina (CPRO, 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"/> Nick Sinigaglia (PHI, MVC)	<input type="checkbox"/> Deanna Murrell (AO, MVC)
	<input type="checkbox"/> Sabina Fernandez (CPRO, MVC)
	<input type="checkbox"/> Casandra Greene (CPRO, RCC)
	<input type="checkbox"/> Nicole Brown (CPRO, NOR)
Additional Guests:	

**Zoom Information**

<https://rccd-edu.zoom.us/j/86555446612?pwd=R0dDakVkJkSzZQitZZEN0Zm1TTIYvQT09>

+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 3, 2024  
*The minutes will be reviewed, discussed, and considered for approval.*

**Action Items**

1. Curriculum Proposals  
*Curriculum proposals will be reviewed, discussed, and considered for forwarding to the College Curriculum Committees.*

**Discussion Items and Public Comment**

1. District Discipline Facilitators List – Steven Schmidt
2. AB1111 – Bryan Medina
3. Open Forum
4. Public Comment for all items on or not otherwise on the agenda.

**Adjournment:**

## Draft AB 1111 Approval Timeline

September 2024						
Su	M	Tu	W	Th	F	Sa
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

September	
<b>27</b>	Originator - Final Day to Launch

October 2024						
Su	M	Tu	W	Th	F	Sa
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

October	
<b>4</b>	Facilitator/Department Chair Approval Deadline
<b>15</b>	Tech Review
<b>22</b>	College Curriculum Committee
<b>22</b>	Special DCC – AB1111 Courses Only*
<b>23</b>	Submission to Chancellor's Cabinet
<b>28</b>	Chancellor's Cabinet

*\*4:30pm, following college meeting*

November 2024						
Su	M	Tu	W	Th	F	Sa
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

November	
<b>5</b>	BOT Committee Meeting
<b>19</b>	BOT Regular Meeting

December 2024						
Su	M	Tu	W	Th	F	Sa
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

December	
<b>1</b>	COCI Submission Deadline

### Curriculum Submissions:

1. Faculty originators should launch modifications in the existing discipline code, but should update the course number (C1000, C1000H, etc.).
2. Coordinators will need to obtain the final CCN Template with completed "Part 2" optional elements prior to submitting to the state.
3. Faculty must also modify any corresponding honors courses.
4. Discipline updates in Meta will be made in December:
  - a. ENG -> ENGL
  - b. COM -> COMM
  - c. PSY -> PSYC
  - d. POL -> POLS
  - e. STAT will be added as a "new" discipline to modify MAT-12/12H. The remaining MAT courses will not have their discipline code modified.

### Questions:

1. Does MAT intend to move MAT-112 to the STAT discipline? If so, launch a major modification under MAT, and we will manually adjust to STAT once it is available in Meta.
2. Statistics does not exist as a discipline in the minimum qualifications handbook. Do we create the discipline Statistics and use the minimum qualification discipline of Mathematics? Do the existing approval permissions for MAT faculty in Meta now get the same permissions for STAT?
3. Can prerequisite information and entrance skill links be updated clerically?

# Technical Review - Curriculum Proposals

Proposals for Review for 09/17/2024

## Courses

### Course Deletions

		M	N	R	Notes
<b>H</b>	<b>CIS 28A</b>			<input checked="" type="checkbox"/>	
	<b>MS Access Programming</b>				
	Awaiting MOV Computer Applications Program.				
<b>H</b>	<b>CSC 28A</b>			<input checked="" type="checkbox"/>	
	<b>MS Access Programming</b>				
	Awaiting MOV Computer Applications Program.				
<b>H</b>	<b>JOU 12</b>			<input checked="" type="checkbox"/>	
	<b>Photojournalism</b>				
	Holding for the RIV Journalism ADT.				

### Course Inclusions

		M	N	R	Notes
	<b>EDU 1</b>		<input checked="" type="checkbox"/>		
	<b>Introduction to Elementary Classroom Teaching</b>				

### Course Major Modifications

		M	N	R	Notes
<b>H</b>	<b>FIT R10</b>	<input checked="" type="checkbox"/>			
	<b>Fire Fighter Rescue and Rapid Intervention Crew (RIC) Operations</b>				
	No minutes, repeatability should be checked.				
	<b>FIT R2A</b>	<input checked="" type="checkbox"/>			
	<b>Confined Space Rescue, Awareness Level</b>				
<b>H</b>	<b>FIT R3</b>	<input checked="" type="checkbox"/>			
	<b>Common Passenger Vehicle Rescue Technician</b>				
	No minutes, repeatability should be checked.				
<b>H</b>	<b>FIT R4</b>	<input checked="" type="checkbox"/>			
	<b>Rope Rescue Awareness Operations</b>				
	No minutes, repeatability should be checked.				
	<b>FIT S3</b>	<input checked="" type="checkbox"/>			
	<b>Basic Fire Fighter Academy</b>				
<b>H</b>	<b>FIT S3B</b>	<input checked="" type="checkbox"/>			
	<b>Firefighter I Academic Capstone &amp; Skills Testing</b>				
	No minutes, repeatability should be checked.				
<b>H</b>	<b>HMS 200</b>	<input checked="" type="checkbox"/>			
	<b>Human Services Work Experience</b>				
	Course is now HMS specific. The hours do not match the new requirements for work experience courses (54 hours per unit). Minutes may need to be clarified.				
	<b>KIN 26</b>			<input checked="" type="checkbox"/>	
	<b>Foundations of Coaching</b>				
	<b>KIN 27</b>			<input checked="" type="checkbox"/>	
	<b>Football Theory</b>				
	<b>KIN A28</b>			<input checked="" type="checkbox"/>	
	<b>Swimming, Beginning</b>				
	<b>KIN A29</b>			<input checked="" type="checkbox"/>	
	<b>Swimming, Intermediate</b>				
	<b>KIN A30</b>			<input checked="" type="checkbox"/>	
	<b>Swimming, Advanced Skills and Conditioning</b>				
	<b>KIN V12</b>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	<b>Cross Country, Varsity, Women</b>				
	<b>KIN V14</b>			<input checked="" type="checkbox"/>	
	<b>Track and Field, Varsity, Women</b>				

## Courses

### Course Major Modifications

		M	N	R	Notes
KIN V26	Song/Cheerleading	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
KIN V33	Track and Field Techniques: Running Event Techniques	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
H KIN V50	Baseball Fundamentals, Defensive	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Course is repeatable, but is this truly a varsity course? Repeatability is for the team course and for conditioning, so it is not clear that this qualifies for the repeatability.
H KIN V51	Baseball Fundamentals, Offensive	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Course is repeatable, but is this truly a varsity course? Repeatability is for the team course and for conditioning, so it is not clear that this qualifies for the repeatability.
KIN V71	Women's Beach Volleyball	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
KIN V78	Long Distance Running	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
KIN V92	Weight Training, Varsity Athletes	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

### Course Minor Modifications

		M	N	R	Notes
ADM 84A	Screen Printing	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
KIN A62	Flag Football	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
KIN A75B	Walking for Fitness: Intermediate	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
KIN V01	Cross Country, Varsity, Men	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
KIN V06	Track and Field, Varsity, Men	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
KIN V27	Stunt	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

### Distance Education

		M	N	R	Notes
H ELE 23DE	Electronic Devices and Circuits	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	All ELE and MAN DE proposals to be held one more time to verify documentation.
H ELE 25DE	Digital Techniques	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
H ELE 26DE	Microcontrollers	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
H ELE 28DE	MultiSim CAD & PCB Design/Fab	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
H ELE 76DE	Low Voltage Wiring and Alternate Energy Generation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
H ELE 77DE	Electrical Theory for Electricians	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
H ELE 811DE	DC Electronics	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
H ELE 813DE	AC Electronics	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
H ELE 823DE	Electronic Devices and Circuits	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

## Courses

### Distance Education

		M	N	R	Notes	
H	ELE 825DE	Digital Techniques	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
H	ELE 828DE	MultiSim CAD & PCB Design/Fab	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
H	MAN 10DE	Manufacturing Basic Operations	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
H	MAN 11DE	Manufacturing Advanced Operations	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
H	MAN 12DE	Robot Systems Basic Operations	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
H	MAN 13DE	Robot Systems Advanced Operations	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
H	MAN 15DE	Industry 4.0 Total Productive Maintenance	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

### Distance Education Modifications

		M	N	R	Notes	
H	ELE 11DE	DC Electronics	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
H	ELE 13DE	AC Electronics	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

### New Courses

		M	N	R	Notes	
H	ADM 66	Visual Storytelling	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Holding for minutes and clean up.
H	ADM 83	Packaging Design	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Holding for minutes and clean up.
H	AHS 61	Independent Study	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Needs to be held awaiting the finalized Board Policy.
	ELE 30	Introduction to Biomedical Equipment	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	ELE 31	Troubleshooting Theory and Methodology	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	ELE 32	Troubleshooting and repair Biomedical life support equipment	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	ELE 823	Electronic Devices and Circuits	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	ELE 825	Digital Techniques	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	ELE 826	Microcontrollers	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	ELE 828	MultiSim CAD & PCB Design/Fab	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	FIT C19	Introduction to Wildland Fire Behavior	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
H	FIT C20	ICS 200: Basic Incident Command System for Initial Response	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	No minutes. Uses activity hours. Repeatability should be checked.

## Courses

### New Courses

		M	N	R	Notes
FIT S130	Firefighter Training	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
FIT S131	Firefighter Type 1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
H FIT S131B	Firefighter Survival Lists no grade as an option.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
H FIT S3B2	Fire Control 4A: Ignitable Liquids and Gases Awareness/Operations Lists no grade as an option. Repeatability should be checked.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
H FIT S3B3	Fire Control 4B: Ignitable Liquids and Gases Technician Lists no grade as an option. Repeatability should be checked.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
FIT S3B4	Fire Control 6: Wildland Fire Fighting Essentials	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
MAN 10	Manufacturing Basic Operations	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
MAN 11	Manufacturing Advanced Operations	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
MAN 12	Robot Systems Basic Operations	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
MAN 13	Robot Systems Advanced Operations	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
MAN 15	Industry 4.0 Total Productive Maintenance	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

## Disciplines

### Discipline Inclusions

		M	N	R	Notes
EDU	Education	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

## General Education

### General Education Modifications

		M	N	R	Notes
H ADM 63A	Design For Print Publication Holding for revised proposal.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
H ADM 84A	Screen Printing Holding for revised proposal.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
H ADM 85A	Commercial Printing Holding for revised proposal.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

# Programs

## New Programs

M N R Notes

### Certificate

**H** **MAN**      **Robotics Specialist**     

Awaiting Regional Consortium Recommendation. Catalog Description should be revised.

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## Program Modifications

M N R Notes

### ADT

**ANT**      **Anthropology**     

**CHE**      **Chemistry**     

**MUS**      **Music**     

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### AOE

**H**      **American Studies**     

Missing minutes from RIV and NOR; Faculty indicated that RIV and NOR faculty have already voted. Kelly will reach out to obtain minutes.

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**H**      **Humanities, Philosophy and Art**     

Missing minutes from RIV and NOR; Faculty indicated that RIV and NOR faculty have already voted. Kelly will reach out to obtain minutes.

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**H**      **Social & Behavioral Studies**     

Missing minutes from RIV and NOR; Faculty indicated that RIV and NOR faculty have already voted. Kelly will reach out to obtain minutes.

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### Certificate

**H** **HMS**      **Drug and Alcohol Studies**     

Holding to clarify WKX/HMS-200.

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### Degree & Certificate

**CIS**      **Computer Applications**     

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# Technical Review - Curriculum Proposals

Proposals for Review for 09/17/2024

## Courses

### Course Deletions

		M	N	R	Discussion	Action
<b>H</b>	<b>CIS 28A</b> Rationale: <b>MS Access Programming</b> Course is no longer part of any programs and has not been offered in over 5-years.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Awaiting MOV Computer Applications Program.	
<b>H</b>	<b>CSC 28A</b> Rationale: <b>MS Access Programming</b> This RIV-Only course is standalone and has not been offered in several years since the deletion of the Relational Database program over 7-years ago.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Awaiting MOV Computer Applications Program.	
<b>H</b>	<b>JOU 12</b> Rationale: <b>Photojournalism</b> This course is not offered as JOU but rather as PHO 12. No need to keep cross-listed courses of JOU 12.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Holding for the RIV Journalism ADT.	

### Course Inclusions

		M	N	R	Discussion	Action
	<b>EDU 1</b> Rationale: <b>Introduction to Elementary Classroom Teaching</b> With the opening of the Child Development and Teacher Preparation center at Stokoe Innovative Learning School, we are now positioned to expand our pathways to incorporate Education specific options. We hope to develop a STEM focused educator preparation pathway to UCR and other local 4-year universities. Stokoe has a strong STEM focus and is ready to collaborate with us in developing the next generation of Elementary school teachers. We have teaching classrooms at this site with adult learning rooms, mock teaching classrooms, and live video feed into the k-6th classrooms to support observations. This is part of the intent for revitalizing Stokoe and so the inclusion of EDU1 is critical to the on-going and expanding success of this location. We are also looking to prepare our students for the new Preschool-Third Teaching Credential, and need this course to begin this pathway.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		

### Course Major Modifications

		M	N	R	Discussion	Action
<b>H</b>	<b>FIT R10</b> Rationale: <b>Fire Fighter Rescue and Rapid Intervention Crew (RIC) Operations</b> Course updates are required to meet State Fire Training curriculum update.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	No minutes, repeatability should be checked.	



# Courses

## Course Major Modifications

		M	N	R	Discussion	Action
	<b>FIT R2A</b> <u>Confined Space Rescue, Awareness Level</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	Rationale: Updates required to more accurately reflect State Fire Training requirements					
H	<b>FIT R3</b> <u>Common Passenger Vehicle Rescue Technician</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	No minutes, repeatability should be checked.	
	Rationale: Curriculum update to ensure compliance with California State Fire Training					
H	<b>FIT R4</b> <u>Rope Rescue Awareness Operations</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	No minutes, repeatability should be checked.	
	Rationale: Curriculum update to ensure compliance with California State Fire Training.					
	<b>FIT S3</b> <u>Basic Fire Fighter Academy</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	Rationale: Modifications needed to meet Title 4 legislative requirements					
H	<b>FIT S3B</b> <u>Firefighter I Academic Capstone &amp; Skills Testing</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	No minutes, repeatability should be checked.	
	Rationale: Maintain compliance with State Fire Training standards.					
H	<b>HMS 200</b> <u>Human Services Work Experience</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Course is now HMS specific. The hours do not match the new requirements for work experience courses (54 hours per unit). Minutes may need to be clarified.	
	Rationale: The HMS 200 major modification is completed in alignment with state regulatory work experience requirements (See 5 Cal. Code Regs. § 52010). The HMS discipline is updating the HMS 200 course with the purposes of adding to the Drug and Alcohol Studies certificate.					
	<b>KIN 26</b> <u>Foundations of Coaching</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	Rationale: Update Course Objectives and update Course Materials.					
	<b>KIN 27</b> <u>Football Theory</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	Rationale: Update Course Objectives, Course SLO's, Course Content, Sample Assignments, and Course Materials.					
	<b>KIN A28</b> <u>Swimming, Beginning</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	Rationale: Update Course Content and update Course Materials.					
	<b>KIN A29</b> <u>Swimming, Intermediate</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	Rationale: Update Course Content and Course Materials.					
	<b>KIN A30</b> <u>Swimming, Advanced Skills and Conditioning</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	Rationale: Update Course Content and Course Materials					
	<b>KIN V12</b> <u>Cross Country, Varsity, Women</u>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
	Rationale: Update Grading Methods, update Course Materials, and update Course Content.					

## Courses

### Course Major Modifications

		M	N	R	Discussion	Action
	<b>KIN V14</b> <b>Track and Field, Varsity, Women</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	Rationale:      Update Grading Methods, update Course Materials, and update Course Content.					
	<b>KIN V26</b> <b>Song/Cheerleading</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	Rationale:      Update Course Materials, update Sample Assignments, update Course Objectives					
	<b>KIN V33</b> <b>Track and Field Techniques: Running Event Techniques</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	Rationale:      Update Grading Methods, update Course Materials, update Repeatability, and update Sample Assignments.					
<b>H</b>	<b>KIN V50</b> <b>Baseball Fundamentals, Defensive</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Course is repeatable, but is this truly a varsity course? Repeatability is for the team course and for conditioning, so it is not clear that this qualifies for the repeatability.	
	Rationale:      Update Course Objectives, update SLO's, update course assignments and materials, adjusted the Repeatability.					
<b>H</b>	<b>KIN V51</b> <b>Baseball Fundamentals, Offensive</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Course is repeatable, but is this truly a varsity course? Repeatability is for the team course and for conditioning, so it is not clear that this qualifies for the repeatability.	
	Rationale:      Update Course Objectives, SLO's, and Course Materials.					
	<b>KIN V71</b> <b>Women's Beach Volleyball</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	Rationale:      Update Course Objectives, Course SLOs, Course Content, Sample Assignments, and Course Materials.					
	<b>KIN V78</b> <b>Long Distance Running</b>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
	Rationale:      Update Grading Methods, update Course materials, update Course Objectives, update Sample Assignments, and update Course Content.					
	<b>KIN V92</b> <b>Weight Training, Varsity Athletes</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	Rationale:      Update Repeatability, Course Content, Sample Assignments, and Course Materials.					

### Course Minor Modifications

		M	N	R	Discussion	Action
	<b>ADM 84A</b> <b>Screen Printing</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	Rationale:      This minor modification has updated course materials.					
	<b>KIN A62</b> <b>Flag Football</b>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
	Rationale:      Update Course Materials					

## Courses

### Course Minor Modifications

		M	N	R	Discussion	Action
<b>KIN A75B</b>	<b>Walking for Fitness: Intermediate</b>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Rationale:	Update Course Materials					
<b>KIN V01</b>	<b>Cross Country, Varsity, Men</b>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Rationale:	Update Course Materials					
<b>KIN V06</b>	<b>Track and Field, Varsity, Men</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Rationale:	Update Course Materials					
<b>KIN V27</b>	<b>Stunt</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Rationale:	Update Course Materials					

### Distance Education

		M	N	R	Discussion	Action
<b>H</b>	<b>ELE 23DE</b>	<b>Electronic Devices and Circuits</b>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	All ELE and MAN DE proposals to be held one more time to verify documentation.
Rationale:						
<b>H</b>	<b>ELE 25DE</b>	<b>Digital Techniques</b>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Rationale:						
<b>H</b>	<b>ELE 26DE</b>	<b>Microcontrollers</b>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Rationale:						
<b>H</b>	<b>ELE 28DE</b>	<b>MultiSim CAD &amp; PCB Design/Fab</b>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Rationale:						
<b>H</b>	<b>ELE 76DE</b>	<b>Low Voltage Wiring and Alternate Energy Generation</b>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Rationale:						
<b>H</b>	<b>ELE 77DE</b>	<b>Electrical Theory for Electricians</b>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Rationale:						
<b>H</b>	<b>ELE 811DE</b>	<b>DC Electronics</b>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Rationale:						
<b>H</b>	<b>ELE 813DE</b>	<b>AC Electronics</b>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Rationale:						
<b>H</b>	<b>ELE 823DE</b>	<b>Electronic Devices and Circuits</b>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Rationale:						
<b>H</b>	<b>ELE 825DE</b>	<b>Digital Techniques</b>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Rationale:						

Technical Review Proposals for 09/17/2024

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

### Distance Education

		M	N	R	Discussion	Action
<b>H</b>	<b>ELE 828DE</b> <b>MultiSim CAD &amp; PCB Design/Fab</b> Rationale:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
<b>H</b>	<b>MAN 10DE</b> <b>Manufacturing Basic Operations</b> Rationale:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
<b>H</b>	<b>MAN 11DE</b> <b>Manufacturing Advanced Operations</b> Rationale:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
<b>H</b>	<b>MAN 12DE</b> <b>Robot Systems Basic Operations</b> Rationale:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
<b>H</b>	<b>MAN 13DE</b> <b>Robot Systems Advanced Operations</b> Rationale:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
<b>H</b>	<b>MAN 15DE</b> <b>Industry 4.0 Total Productive Maintenance</b> Rationale:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		

### Distance Education Modifications

		M	N	R	Discussion	Action
<b>H</b>	<b>ELE 11DE</b> <b>DC Electronics</b> Rationale:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
<b>H</b>	<b>ELE 13DE</b> <b>AC Electronics</b> Rationale:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		

### New Courses

		M	N	R	Discussion	Action
<b>H</b>	<b>ADM 66</b> <b>Visual Storytelling</b> Rationale: This course will add an important and industry-relevant component to the vocational capacity of our program and certificates.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Holding for minutes and clean up.	
<b>H</b>	<b>ADM 83</b> <b>Packaging Design</b> Rationale: This course will add an important and industry-relevant component to the vocational capacity of our program and certificates.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Holding for minutes and clean up.	
<b>H</b>	<b>AHS 61</b> <b>Independent Study</b> Rationale: To provide students with an opportunity to complete independent research projects and/or other scholastic/creativity in art history, as a way to gain first-hand experience in the field and advance their academic and/or career goals.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Needs to be held awaiting the finalized Board Policy.	

# Courses

## New Courses

		M	N	R	Discussion	Action
<b>ELE 30</b>	<b>Introduction to Biomedical Equipment</b>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:	For students and new healthcare professionals, an introduction to medical equipment is an essential part of their education and training. It lays the foundation for more advanced learning and specialization in specific areas of medicine and medical technology.					
<b>ELE 31</b>	<b>Troubleshooting Theory and Methodology</b>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:	For students and new healthcare professionals, an introduction to medical equipment is an essential part of their education and training. It lays the foundation for more advanced learning and specialization in specific areas of medicine and medical technology.					
<b>ELE 32</b>	<b>Troubleshooting and repair Biomedical life support equipment</b>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:	For students and new healthcare professionals, an introduction to medical equipment is an essential part of their education and training. It lays the foundation for more advanced learning and specialization in specific areas of medicine and medical technology.					
<b>ELE 823</b>	<b>Electronic Devices and Circuits</b>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:	Creating an 800-level course so that students can have the option to take Credit/Non Credit					
<b>ELE 825</b>	<b>Digital Techniques</b>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:	Creating an 800-level course so that students can have the option to take Credit/Non Credit					
<b>ELE 826</b>	<b>Microcontrollers</b>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:	Creating an 800-level course so that students can have the option to take Credit/Non Credit					
<b>ELE 828</b>	<b>MultiSim CAD &amp; PCB Design/Fab</b>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:	creating an 800 level course so that students can have option to take Credit/non Credit					
<b>FIT C19</b>	<b>Introduction to Wildland Fire Behavior</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Rationale:	Provide students with additional certification and experience while also supporting local training requirements for local agencies and partners to receive college credit through ISA agreements.					

## Courses

### New Courses

		M	N	R	Discussion	Action
H	<b>FIT C20</b> Rationale: The course is designed as part of the basic firefighter curriculum to understand incident management.	<b>ICS 200: Basic Incident Command System for Initial Response</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	No minutes. Uses activity hours. Repeatability should be checked.
	<b>FIT S130</b> Rationale: Provide students with additional certification and experience and also be used to support local training requirements for local agencies/partners to receive college credit through ISA agreements.	<b>Firefighter Training</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<b>FIT S131</b> Rationale: Provide students with additional certification and experience while also supporting local training requirements for local agencies and partners to receive college credit through ISA agreements.	<b>Firefighter Type 1</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
H	<b>FIT S131B</b> Rationale: Course will be used as part of ISA Agreements in accordance with State Fire Training guidelines.	<b>Firefighter Survival</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Lists no grade as an option.
H	<b>FIT S3B2</b> Rationale: Curriculum added to ensure compliance with California State Fire Training.	<b>Fire Control 4A: Ignitable Liquids and Gases Awareness/Operations</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Lists no grade as an option. Repeatability should be
H	<b>FIT S3B3</b> Rationale: Course added to ensure compliance with California State Fire Training standards.	<b>Fire Control 4B: Ignitable Liquids and Gases Technician</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Lists no grade as an option. Repeatability should be
	<b>FIT S3B4</b> Rationale: Provide students with additional certification and experience while also supporting local training requirements for local agencies and partners to receive college credit through ISA agreements.	<b>Fire Control 6: Wildland Fire Fighting Essentials</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<b>MAN 10</b> Rationale: This course/program is based on SACA certifications. 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.	<b>Manufacturing Basic Operations</b>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

# Courses

## New Courses

M N R Discussion

Action

**MAN 11**      **Manufacturing Advanced Operations**     

Rationale: This course/program is based on SACA certifications. 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.

**MAN 12**      **Robot Systems Basic Operations**     

Rationale: This course/program is based on SACA certifications. 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.

**MAN 13**      **Robot Systems Advanced Operations**     

Rationale: This course/program is based on SACA certifications. 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.

## Courses

### New Courses

M N R Discussion

Action

<b>MAN 15</b>	<b>Industry 4.0 Total Productive Maintenance</b>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Rationale:	This course/program is based on SACA certifications. 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.				

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## Disciplines

### Discipline Inclusions

M N R Discussion

Action

<b>EDU</b>	<b>Education</b>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Rationale:	With the opening of the Child Development and Teacher Preparation center at Stokoe Innovative Learning School, we are now positioned to expand our pathways to incorporate the discipline of Education. We hope to develop a STEM focused educator preparation pathway to UCR and other local 4-year universities. Stokoe has a strong STEM focus and is ready to collaborate with us in developing the next generation of Elementary school teachers. We have teaching classrooms at this site with adult learning rooms, mock teaching classrooms, and live video feed into the k-6th classrooms to support observations. This is part of the intent for revitalizing Stokoe and so the inclusion of EDU is critical to the on-going and expanding success of this location. We are also looking to prepare our students for the new Preschool-Third Teaching Credential, and need this course to begin this pathway.				

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# General Education

## General Education Modifications

M N R

Discussion

Action

H

ADM 63A

**Design For Print Publication**

Holding for revised proposal.

Rationale:

Proposal to add course to Area 3: Humanities.

ADM courses are designed to equip students with entrepreneurial skills for both career and gig opportunities. Students are guided through a comprehensive design-learning cycle that introduces problem identification, ideation, prototyping, critique & analysis, production, and marketing stages. Design entrepreneurship, the focus of our ADM classes, is accessible to all students who want to transform their creativity into commercially measurable and sustainable economic opportunity.

Human-centricity and user experience are not only crucial to the design process, but they are empathetically beneficial in our collective human interaction and experiences. ADM courses are designed to equip students with good design thinking process, critical problem solving techniques, and meaningful user experience in our project development. These skills, though primarily useful in commercial design, can also be impactful and transferable in other journeys of the learner's life.

If fine art is synonymous to art galleries, then graphic design is ubiquitously present in all aspects of our everyday life. Every logo we see, every packaging we receive, every brands we identify, every printed shirt we put on, every websites we visit, and every user interface we interact with on our mobile phones are all fine examples of graphic design. ADM courses are designed to introduce to student the quintessential influence of design over our shared culture and collective human experience.

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# General Education

## General Education Modifications

M N R

Discussion

Action

H

ADM 84A

### Screen Printing

Holding for revised proposal.

Rationale:

Proposal to add course to Area 3: Humanities. ADM courses are designed to equip students with entrepreneurial skills for both career and gig opportunities. Students are guided through a comprehensive design-learning cycle that introduces problem identification, ideation, prototyping, critique & analysis, production, and marketing stages. Design entrepreneurship, the focus of our ADM classes, is accessible to all students who want to transform their creativity into commercially measurable and sustainable economic opportunity. Human-centricity and user experience are not only crucial to the design process, but they are empathetically beneficial in our collective human interaction and experiences. ADM courses are designed to equip students with good design thinking process, critical problem solving techniques, and meaningful user experience in our project development. These skills, though primarily useful in commercial design, can also be impactful and transferable in other journeys of the learner's life. If fine art is synonymous to art galleries, then graphic design is ubiquitously present in all aspects of our everyday life. Every logo we see, every packaging we receive, every brands we identify, every printed shirt we put on, every websites we visit, and every user interface we interact with on our mobile phones are all fine examples of graphic design. ADM courses are designed to introduce to student the quintessential influence of design over our shared culture and collective human experience.

# General Education

## General Education Modifications

M N R

Discussion

Action

H

ADM 85A

### Commercial Printing

Holding for revised proposal.

Rationale:

Proposal to add course to Area 3: Humanities. ADM courses are designed to equip students with entrepreneurial skills for both career and gig opportunities. Students are guided through a comprehensive design-learning cycle that introduces problem identification, ideation, prototyping, critique & analysis, production, and marketing stages. Design entrepreneurship, the focus of our ADM classes, is accessible to all students who want to transform their creativity into commercially measurable and sustainable economic opportunity. Human-centricity and user experience are not only crucial to the design process, but they are empathetically beneficial in our collective human interaction and experiences. ADM courses are designed to equip students with good design thinking process, critical problem solving techniques, and meaningful user experience in our project development. These skills, though primarily useful in commercial design, can also be impactful and transferable in other journeys of the learner's life. If fine art is synonymous to art galleries, then graphic design is ubiquitously present in all aspects of our everyday life. Every logo we see, every packaging we receive, every brands we identify, every printed shirt we put on, every websites we visit, and every user interface we interact with on our mobile phones are all fine examples of graphic design. ADM courses are designed to introduce to student the quintessential influence of design over our shared culture and collective human experience.

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# Programs

## New Programs

M N R

Discussion

Action

### Certificate

<b>H</b>	<b>MAN</b>	<b><a href="#">Robotics Specialist</a></b>	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>
<p>Rationale: This program is based on SACA certifications. 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.</p>			

Awaiting Regional Consortium Recommendation. Catalog Description should be revised.

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

## Program Modifications

M N R

Discussion

Action

<b>ADT</b>			
	<b>ANT</b>	<b><a href="#">Anthropology</a></b>	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>
<p>Rationale: Adding additional course options and updating PSY/SOC-48 to 4 units.</p>			
	<b>CHE</b>	<b><a href="#">Chemistry</a></b>	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>
<p>Rationale: Updating TMC to align with CalGETC.</p>			
	<b>MUS</b>	<b><a href="#">Music</a></b>	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>
<p>Rationale: Updating the TMC to adhere to the CalGETC general education pattern.</p>			

# Programs

## Program Modifications

M N R

Discussion

Action

AOE

H

Rationale:

### American Studies

Adding ETS courses to add options for students. Like American Studies, Ethnic Studies examines the American experience of the core four groups (African Americans, Native Americans of the United States, Latinx/Chicanx, and AAPI) of ETS from the colonial period of the United States to the present. Ethnic Studies students center the core four groups to study, interpret, and evaluate events, cultural products, and trends in American economic, political, and social history through their epistemological traditions and frameworks. Ethnic studies requires students to develop critical thinking skills through oral and written communication, and community engagement. Ethnic Studies prepares students for further study in the English/literature, history, political science, and sociology at a four-year baccalaureate institution and provides an excellent foundation for students interested in administration, communications, law, public service, and teaching.

Missing minutes from RIV and NOR; Faculty indicated that RIV and NOR faculty have already voted. Kelly will reach out to obtain minutes.

H

Rationale:

### Humanities, Philosophy and Art

Adding ETS courses to add options for students. Ethnic Studies examines and interrogates human values and experiences in the United States over the course of its history. Students will study, interpret, and evaluate the artistic, philosophical, political, rhetorical, and religious ideologies of the core four ETS ethnic groups (African Americans, Native Americans of the United States, Latinx/Chicanx, and AAPI). The critical analysis of dominant language, philosophy, and rhetoric affords ETS students nuanced tools for understanding and interpreting human knowledge and experiences. Ethnic studies require students to develop critical thinking skills through oral and written communication, and community engagement, preparing student for further study in the arts, history, humanities, literature, philosophy, communication studies and/or world languages at a four-year baccalaureate institution and provides an excellent foundation for students interested in administration, communications, law, public service, and teaching.

Missing minutes from RIV and NOR; Faculty indicated that RIV and NOR faculty have already voted. Kelly will reach out to obtain minutes.

# Programs

## Program Modifications

M N R

Discussion

Action

### AOE

**H** Rationale: **Social & Behavioral Studies**  
Adding ETS courses to add options for students. As a comprehensive, interdisciplinary, and multidisciplinary area of Study, Ethnic Studies students gain critical insights into developing individual and collective identity formations within the core four ethnic groups (African Americans, Native Americans of the United States, Latinx/Chicanx, and AAPI). The disciplines focus on worldbuilding, intersectionality, and social justice allows ETS students to gain a heightened awareness of the nature of their individuality, attain a greater analysis of the complexities and diversity of the world in which they live and, become better equipped to succeed in an increasingly diverse and complex society. Like Social and Behavioral Studies, ETS students can pursue careers in Law Enforcement, Law, Human Relations, Human Resources, Social Work, Professional Childcare and Public Service Agencies, Teaching across the educational and academic spectrum, Consultation in the public and private sectors, Governmental Advisors, Speechwriting, and both domestic and international business professions.

Missing minutes from RIV and NOR; Faculty indicated that RIV and NOR faculty have already voted. Kelly will reach out to obtain minutes.

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### Certificate

**H** HMS Rationale: **Drug and Alcohol Studies**  
Per the recommendation of the Social Work, Human Services, & Counseling Practices Discipline and Department approval, this modification is proposed to align with the Certified Addiction Treatment Counselor (CATC) 1 pathway.

Holding to clarify WKX/HMS-200.

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### Degree & Certificate

CIS Rationale: **Computer Applications**  
CIS 28A/CSC 28A not in MVC catalog, RCC moving to delete courses.

**Record –  
Credit Degrees and Certificates**

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**Program Outline**

**Title: Robotics Specialist**

**Originator: Paul Van Hulle**

**Date 4/18/2023**

**Department: BEIT/Manufacturing**

**College/Learning Pathway/Engagement Center: Applied Technologies and Apprenticeships**

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**

**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.)*

This course/program is based on SACA certifications. SACA industry certifications are described below:

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.

## **Record – Credit Degrees and Certificates**

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

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/2024/02/08/saca-endresshauser-see-experts-for-technical-work-group/>



**Record –  
Credit Degrees and Certificates**

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**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](mailto: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.*

**Record –  
 Credit Degrees and Certificates**

**Program Narrative**

**Item 1. Program Goals and Objectives**

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

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

- Demonstrate knowledge of robotics used in industry and manufacturing environments.
- Apply maintenance fundamentals to simulated and actual workplace applications as related to robotics.
- Recognize, identify and describe the functions of robotics and robotic related activities.
- Troubleshoot and repair basic robotic functions.

Program learning outcomes:

- Students will install, program, test, interface and maintain industrial robot systems in work cells.
- Control mechatronic systems for programming operations at a basic level.
- Program the robot to pickup parts after sensing that the part is located on a fixture.

**Item 2. Catalog Description**

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

This program prepares students for jobs in entry-level maintenance technician, field service technician, industrial maintenance technician, maintenance mechanic, or maintenance repair mechanic as it pertains to robotics.

**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.*

Courses: 14 units

Course	Title	Units	Sequencing
MAN 10	Manufacturing Basic Operations	4	Fall 1
MAN 11	Manufacturing Advanced Operations	4	Spring 1
MAN 12	Robot System Operations	3	Winter 1
MAN 13	Robot Systems Advanced Operations	2	Summer 1

**Record –  
 Credit Degrees and Certificates**

MAN 15	Industry 4.0 Total Productive Maintenance	2	Winter 1
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Total Program Units: 14 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.*

**Item 5. Enrollment and Completer Projections**

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

During the 2017-20 we had 24 students receive awards for manufacturing and industrial technology programs related to robotics in the Inland Empire/Desert region. By creating this certificate we are hoping to increase the number of students in the industrial automation program. Shown below is a graphic from the Centers of Excellence for labor market research five-year projections for the Manufacturing and industrial technology strong workforce program outcomes for 0956.00. It should also be noted from the graphics below that there is a great demand for robotics technicians in our area.

*Exhibit 10: 0956.00 – Manufacturing and industrial technology strong workforce program outcomes*

<b>Strong Workforce Program Metrics: 0956.00 – Manufacturing and Industrial Technology Academic Year 2018-19, unless noted otherwise</b>	<b>Inland Empire/Desert Region</b>	<b>California</b>
Unduplicated count of enrolled students (2019-20)	101	5,647
Completed 9+ career education units in one year (2019-20)	40%	41%
Perkins Economically disadvantaged students	73%	60%
Students who attained a noncredit workforce milestone in a year (2019-20)	-	59%
Students who earned a degree, certificate, or attained apprenticeship (2019-20)	12	342
Transferred to a four-year institution (transfers)	-	102
Job closely related to the field of study (2017-18)	75%	78%
Median annual earnings (all exiters)	\$42,198	\$54,660
Median change in earnings (all exiters)	35%	53%
Attained a living wage (completers and skills-builders)	68%	71%

Sources: LaunchBoard Community College Pipeline and Strong Workforce Program Metrics

**Record –  
 Credit Degrees and Certificates**

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**Employers, Skills, Education, Work Experience, and Certifications**

Exhibit 5 displays the employers that posted five or more job ads for electro-mechanical and mechatronics technologists and technicians in California over the last 12 months. Showing employer names provides insight into where students may find employment after completing a program. Johnson & Johnson and Amazon posted the most job ads for electro-mechanical and mechatronics technologists and technicians in California over the last 12 months. Most of the job postings for XPO Logistics were located in the local region.

*Exhibit 5: Employers posting the most job ads*

Top Employers	Job Ads
Johnson & Johnson	19
Amazon	19
XPO Logistics	16
Applied Industrial Technologies	8
Space Exploration Technologies Corp.	6
Nuro Incorporated	6
Beamcut Systems	6
Relativity Space	5
OhmniLabs, Inc.	5
Flory Group Incorporated	5
All other employers	280
<b>Total</b>	<b>375</b>

Source: Burning Glass – Labor Insights

## Record – Credit Degrees and Certificates

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### Summary and Recommendation

Community college manufacturing and industrial technology (TOP 0956.00) programs prepare students for employment in robotics. Training in this program leads to the electro-mechanical and mechatronics technologists and technicians occupation (SOC 17-3024), which installs, tests, or maintains robotic equipment or related automated production systems, among other work activities.

In 2020, there were 47 electro-mechanical and mechatronics technologist and technician jobs in the region. While employment for this occupation is projected to grow by 9% through 2025, only five annual job openings are expected. Job openings include new job growth and replacement job needs. This indicates that job opportunities in the region may be scarce. The hourly earnings for the electro-mechanical and mechatronics technologists and technicians surpass the regional self-sustainability standard at the 25<sup>th</sup> percentile (\$25.98 per hour), indicating that the top 75% of workers earn a self-sustainable hourly wage.

Three regional community colleges offer robotics programs across three TOP codes, but only one college has reported award counts. Norco College's industrial automation and supply chain automation program issued 24 awards annually over the last three academic years. About 75% of students exiting manufacturing and industrial technology programs reported working in their field of study. The median annual earnings from all exiters was \$42,198, and 68% attained a living wage. Other colleges with robotics programs have not reported award counts.

The Centers of Excellence cautiously recommends expanding programs related to robotics. While the wages for electro-mechanical and mechatronics technologists and technicians are strong, the regional demand for these workers is low. Colleges considering this program should partner with applicable employers and establish direct connections to robotics jobs for exiting students. Colleges should also document employer demand for robotics workers and the skills needed for students to secure employment in this field.

### 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.

**Record –  
Credit Degrees and Certificates**

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**Item 7. Similar Programs at Other Colleges in Service Area**

*Justification of need for certificate/degree in the region.*

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

Regional robotics training is also offered at Chaffey College and San Bernardino Valley College. Chaffey's mechatronics training programs are coded as electro-mechanical technology (TOP 0935.00) programs and prepare students to work with industrial robotics (Chaffey College, 2021). There were no awards conferred in Chaffey's mechatronics program over the last three academic years. San Bernardino Valley's industrial automation program is coded as an industrial systems technology and maintenance (TOP 0945.00) program and prepares students for employment related to programmable logic controllers, supervisory control, and data acquisition (SCADA), and robotics (San Bernardino Valley College, 2021). There were no known awards conferred in this program over the last three academic years. Please note that San Bernardino Valley offers another training program with the same TOP code as their robotics program.

The Classification of Instructional Programs (CIP) robotics technology/technician (CIP 15.0405) program prepares individuals to apply basic engineering principles and technical skills in support of engineers and other professionals engaged in developing and using robots. Includes instruction in the principles of robotics, design and operational testing, system maintenance and repair procedures, robot computer systems and control language, specific system types and applications to specific industrial tasks, and report preparation (CIP, 2021). There are no known robotics technology/technician programs in the region.

**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.

### Program Modification: Riverside City: Anthropology

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**Award Type:** Associate in Arts for Transfer (ADT)

#### Program Goals and Objectives

The Associate in Arts in Anthropology for Transfer Degree satisfies the lower division requirements for the baccalaureate degree in Anthropology at a California State University. California community college students who complete the degree requirements will have attained a sufficient academic basis from which to pursue careers in the social science professions in general, and specifically to seamlessly transfer to a California State University to complete the upper division requirements for their baccalaureate degree. A primary mission of the California Community Colleges is to provide education, training, and services that contribute to the advancement of California's economic growth, global competitiveness, and work force improvement. The Associate in Arts in Anthropology for Transfer degree meets the goals of this mission, and also prepares students to approach the solving of real world problems through application of holistic and comparative perspectives inherent in anthropological training. Students who complete the Associate in Arts in Anthropology for Transfer degree requirements will gain an in-depth awareness and understanding of humans and the world in which we live.

#### Catalog Description

The Associate in Arts in Anthropology for Transfer Degree 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 Anthropology at a California State University. It will also provide the student with a sufficient academic basis from which to pursue a career in the social science professions. The student will be afforded the opportunity to study the nature of the human diversity from a genetic, archeological, linguistic and cultural basis. The breadth of Anthropology will be examined to include the historical and contemporary theory and research as the basis from which to gain an in-depth awareness and understanding of humans and the world in which we live.

#### Program Learning Outcomes

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

1. Apply the holistic and comparative perspective inherent in anthropological knowledge to real world problems
2. Use information resources and technology to research current issues in all four subfields of anthropology.
3. Synthesize and integrate theoretical perspectives specific to anthropology and general to the social and natural sciences.

#### Program Requirements

##### Required Courses

**Units: 9.00**

COURSE	TITLE	UNITS
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<i>Select one of the following:</i>		3.00
ANT-1	Physical Anthropology	3.00
ANT-1H	Honors Physical Anthropology	3.00
<i>Select one of the following:</i>		3.00
ANT-2	Cultural Anthropology	3.00
ANT-2H	Honors Cultural Anthropology	3.00
ANT-6	Introduction to Archaeology	3.00

**Elective Courses - List A****Units: 6.00-8.00**

COURSE	TITLE	UNITS
<i>Select 6-8 units from the following:</i>		6.00-8.00
ANT-1L	Physical Anthropology Laboratory	1.00
ANT-3	Prehistoric Cultures	3.00
GEG-2	Human Geography	3.00
<i>Only one of the following may be used:</i>		3.00
GEG-1	Physical Geography	3.00
GEG-1H	Honors Physical Geography	3.00
<i>Only one of the following may be used:</i>		4.00
MAT-12	Statistics	4.00
MAT-12H	Honors Statistics	4.00
PSY-48	Statistics for the Behavioral Sciences	4.00
SOC-48	Statistics for the Behavioral Sciences	4.00
<i>Only one of the following may be used:</i>		3.00-4.00
PSY-50	Research Methods in Psychology	4.00
SOC-50	Introduction to Social Research Methods	3.00

**Elective Courses - List B****Units: 3.00-4.00**

COURSE	TITLE	UNITS
<i>Select 3-4 units from the following:</i>		3.00-4.00
Any course from List A or B not already used.		3.00-4.00
ANT-4	Native American Cultures	3.00
ANT-5	Cultures of Ancient Mexico	3.00
ANT-7	Anthropology of Religion	3.00
ANT-8	Language and Culture	3.00
ANT-10	Forensic Anthropology	3.00
ANT-16	Field Methods in Archaeology	3.00

**Total: 18.00-21.00**



**Associate in Art for Transfer Degree**

The Associate in Art in Anthropology 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 Narrative

### Riverside City: Chemistry

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**Award Type:** Associate in Science for Transfer (ADT)

#### Program Goals and Objectives

The Associate in Science in Chemistry for Transfer Degree (AS-T in Chemistry) introduces the concepts and principles upon which chemical knowledge is based, including chemical structures and nomenclature, stoichiometry and solving of chemical equations, the thermodynamics of chemical reactions, and theories of chemical bonding. Students will develop skills for critical/analytical thinking, perceptive reading/observation and interpretation. The Associate in Science in Chemistry to Transfer degree provides students with a core curriculum that will prepare them with the knowledge and skills required to earn a baccalaureate degree in chemistry.

#### Catalog Description

The Associate in Science in Chemistry for Transfer Degree (AS-T in Chemistry) introduces the concepts and principles upon which chemical knowledge is based, including chemical structures and nomenclature, stoichiometry and solving of chemical equations, the thermodynamics of chemical reactions, and theories of chemical bonding. Students will develop skills for critical/analytical thinking, perceptive reading/observation and interpretation. The Associate in Science in Chemistry to Transfer degree provides students with a core curriculum that will prepare them with the knowledge and skills required to earn a baccalaureate degree in chemistry.

#### Program Learning Outcomes

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

1. Master content in inorganic and organic chemistry by describing chemical and physical structures and nomenclature, stoichiometry and solving chemical equations, and analyzing and describing the nature of chemical reactions and energy.
2. Measure and characterize properties of matter using a variety of research-level chemical instrumentation, laboratory techniques, statistical and computational methods.
3. Display effective cooperation with others on projects and clearly communicate experimental results through oral and written means.
4. Demonstrate professional integrity, safety, and environmental stewardship.

#### Program Requirements

##### Required Courses (36 units)

**Units: 36.00**

COURSE	TITLE	UNITS
<i>Take CHE-1A or CHE-1AH</i>		5.00
CHE-1A	General Chemistry, I	5.00
OR		

CHE-1AH	Honors General Chemistry, I	5.00
<i>Take CHE-1B or CHE-1BH</i>		5.00
CHE-1B	General Chemistry, II	5.00
OR		
CHE-1BH	Honors General Chemistry, II	5.00
CHE-12A	Organic Chemistry, I	5.00
CHE-12B	Organic Chemistry, II	5.00
MAT-1A	Calculus I	4.00
MAT-1B	Calculus II	4.00
PHY-4A	Mechanics	4.00
PHY-4B	Electricity and Magnetism	4.00

**Total: 36.00**

### **Associate in Science for Transfer Degree**

The Associate in Science in Chemistry 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 Modification: Riverside City: Music

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**Award Type:** Associate in Arts for Transfer (ADT)

#### **Program Goals and Objectives**

The Associate in Arts in Music for Transfer Degree is designed to prepare the student for transfer to four-year institutions of higher education and specifically intended to satisfy the lower division requirements for the Baccalaureate in Arts in Music at the California State University. This degree is designed to prepare students to demonstrate competence and discipline in the study of music theory, music analysis, music composition, and musicianship skills, and to demonstrate proficiency in ensemble skills and solo performance skills. Completion of this curriculum will demonstrate commitment to the serious study of Music in practice and in theory and provide comprehensive preparation for upper-division work.

#### **Catalog Description**

The Associate in Arts in Music for Transfer Degree is designed to prepare the student for transfer to four-year institutions of higher education and specifically intended to satisfy the lower division requirements for the Baccalaureate in Arts in Music at the California State University. This degree is designed to prepare students to demonstrate competence and discipline in the study of music theory, music analysis, music composition, and musicianship skills, and to demonstrate proficiency in ensemble skills and solo performance skills. Completion of this curriculum will demonstrate commitment to the serious study of Music in practice and in theory and provide comprehensive preparation for upper-division work.

#### **Program Learning Outcomes**

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

1. Demonstrate ensemble specific performance practices and professional standards of conduct expected of ensemble participants.
2. Perform solo literature with an accompanist (if appropriate) using stylistically accurate rhythm, pitch, diction (or articulation) and musical expression.
3. Demonstrate the ability to “audiate” a musical score by sight-reading and performing complex rhythms and by sight singing chromatic, modulating, and post-tonal melodies.
4. Demonstrate the ability to recognize patterns and musical function by aurally identifying and transcribing scales, modes, post-tonal melodies, and complex harmonic progressions.
5. Analyze chromatic harmonic progressions that include modulation using 20th century techniques.
6. Write, analyze, and compose music using 20th century techniques, such as tone rows, set theory, augmented sixth chords, pandiatonicism and polytonalism.
7. Demonstrate keyboard proficiency at the level required to perform theoretical concepts studied in music theory courses.

**Program Requirements****Required Courses - Music Theory****Units: 12.00**

COURSE	TITLE	UNITS
MUS-3	Fundamentals of Music	4.00
MUS-4	Music Theory I	4.00
MUS-5	Music Theory II	4.00

**Required Courses - Applied Music: 1 unit per semester for 4 semesters****Units: 4.00**

COURSE	TITLE	UNITS
MUS-87	Applied Music Training	4.00

**Required Courses - Large Ensemble****Units: 4.00**

COURSE	TITLE	UNITS
MUS-29	Concert Choir	1.00
MUS-31	College Choir	1.00
MUS-35	Vocal Music Ensembles	1.00
MUS-50	Master Chorale	1.00
MUS-55	Community Concert Band	1.00
MUS-57	Gospel Singers	1.00
MUS-58	Gospel Choir	1.00
MUS-67	Community Chamber Ensemble	1.00
MUS-69	Festival Choir	1.00
MUS-70	Guitar Lab Ensemble	1.00
MUS-71	College Chorus	1.00
MUS-75	Advanced Vocal Ensembles	1.00
MUS-80	Master Singers	1.00
MUS-83	Advanced Chamber Choir	1.00
MUS-95	Community Symphony Band	1.00
MUS-P44	Jazz Lab Band	1.00
MUS-P84	Jazz Lab Orchestra	1.00

**Music Electives****Units: 3.00-4.00**

COURSE	TITLE	UNITS
MUS-6	Music Theory III	4.00
MUS-19	Music Appreciation	3.00
MUS-32A	Class Piano I	1.00
MUS-32B	Class Piano II	1.00
MUS-32C	Class Piano III	1.00
MUS-101	Introduction to Music Technology	3.00

**Total: 23.00-24.00****Associate in Art for Transfer Degree**

The Associate in Art in Music 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: Computer Applications**

**Originator: Kasey Nguyen**

**Date 9/6/2024**

**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: 0702.10                      CIP Code: 11.0601**

**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.)*

**Removing CIS 28A/CSC 28A**

**Rationale:**

*(Please note: This information will be presented to the Board of Trustees.)*  
CIS 28A/CSC 28A not in MVC catalog, RCC moving to delete courses.

**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](mailto: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**

This program prepares individuals to perform basic data and text entry using standard and customized software products. This includes instruction in keyboarding skills, personal computer, and workstation operation, reading draft texts and raw data forms, and various interactive software programs used for tasks such as word processing, spreadsheets, databases, and others.

**Item 2. Catalog Description**

This program prepares individuals to perform basic data and text entry using standard and customized software products. This includes instruction in keyboarding skills, personal computer, and workstation operation, reading draft texts and raw data forms, and various interactive software programs used for tasks such as word processing, spreadsheets, databases, and others.

**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: 16.5 – 17.5 units

Course	Title	Units	Sequencing
CIS-1A	Introduction to Computer Information Systems	3	Semester 1, Fall
CIS-1B	Advanced Concepts in Computer Information Systems	3	Semester 2, Spring
CIS/CSC-5	Programming Concepts and Methodology I: C++	4	Semester 1, Fall
CIS-21	Introduction to Operating Systems	3	Semester 2, Spring
CIS-95A	Introduction to the Internet – Living Online	1.5	Semester 1, Fall
CAT-31 Or	Business Communication Fundamentals	3	Semester 3, Fall
BUS-22 Or	Management Communications	3	Semester 3, Fall
BUS-24	Business Communication	3	Semester 3, Fall

Elective 1 Courses: 1.5 - 4 units

Course	Title	Units	Sequencing
CIS/CSC-2	Fundamentals of System Analysis	3	Semester 3, Fall
CIS-25	Information and Communication Technology Essentials	4	Semester 3, Fall
CIS/CSC-61	Introduction to Database Theory	3	Semester 3, Fall



CIS/CAT-80	Word Processing: Microsoft Word for Windows	3	Semester 2, Spring
CIS/CAT-98B	Advanced Excel	3	Semester 2, Spring

Elective 2 Courses: 3.0 – 6.0 units

Course	Title	Units	Sequencing
CIS/CSC-12	PHP Dynamic Web Site Programming	3	Semester 2, Spring
CIS/CSC-14A	Web Programming: JavaScript	3	Semester 2, Spring
CIS-14B	Web Programming: Active Server Pages	3	Semester 3, Fall
CIS-54A	Introduction to Animate	3	Semester 2, Spring
CIS-56A	Designing Web Graphics	3	Semester 3, Fall
CIS-72A	Introduction to Web Page Creation	1.5	Semester 2, Spring
CIS-72B	Intermediate Web Page Creation Using Cascading Style Sheet (CSS)	1.5	Semester 2, Spring
CIS-76A	Introduction to Microsoft Expression Web	3	Semester 3, Fall
CIS-76B	Introduction to Dreamweaver	3	Semester 3, Fall
CIS/CAT-78A	Introduction to Adobe Photoshop	3	Semester 2, Spring
CIS/CAT-79	Introduction to Adobe Illustrator	3	Semester 2, Spring
CIS/CAT-81	Introduction to Desktop Publishing using Adobe InDesign	3	Semester 3, Fall

Total Program Units: 21.0 – 27.5 units

**Minimum Degree Units**

Minimum Required Units 21  
 Minimum Elective Units 4.5  
 Local GE Required Units 27  
 Double Counted Units 4  
**Total Minimum Degree Units 60**

**Maximum Degree Units**

Maximum Required Units 27.5  
 Maximum Elective Units 10  
 CSUGE Required Units 39  
 Double Counted Units 0  
**Total Maximum Degree Units 76.5**

**Item 4. Master Planning**

The modification of this degree will not negatively impact the master plan as this degree is actively being offered at Moreno Valley College. This program update provides students with relevant technology for their career in the industry.

**Item 5. Enrollment and Completer Projections**

Required courses:

CIS-1A	49 students
CIS-1B	49 students
CIS/CSC-5	49 students
CIS -21	49 students
CIS-95A	49 students
CAT-31	49 students
Or BUS-22	49 students
Or BUS-24	49 students

**Elective 1 Courses:**

CIS/CSC-2	49 students
CIS-25	49 students
CIS/CSC-61	49 students
CIS/CAT-80	49 students
CIS/CAT-98B	49 students

**Elective 2 Courses:**

CIS/CSC-12	49 students
CIS/CSC-14A	49 students
CIS-14B	49 students
CIS-54A	49 students
CIS-56A	49 students
CIS-72A	49 students
CIS-72B	49 students
CIS-76A	49 students
CIS-76B	49 students
CIS/CAT-78A	49 students
CIS/CAT-79	49 students
CIS/CAT-81	49 students

**Item 6. Place of Program in Curriculum/Similar Programs**

This is an active program at MVC. This is an update to an existing active degree at MVC.

**Item 7. Similar Programs at Other Colleges in Service Area**

RCC and Norco also offer the same program.

**Item 8. Transfer Preparation Information (if applicable)**

N/A