RCCD | RIVERSIDE COMMUNITY COLLEGE DISTRICT

DISTRICT TECHNICAL REVIEW COMMITTEE

Meeting Agenda

Tuesday, September 16, 2025	**2:30-4:00pm**	**CAADO 209/Zoom**

Committee Members	Guests
☐ Steven Schmidt (Chair, MUS)	☐ Lijuan Zhai (AVC ES&IE, RCCD)
☐ *Vacant* (Co-Chair, VC Ed. Services)	☐ Bryan Medina (CPRO, RCCD)
☐ Kelly Douglass (ENGL, RCC)	☐ Nicole Banerjee (AO, RCC)
☐ Brian Johnson (MAT, NOR)	☐ Nick Franco (AO, NOR)
☐ Nick Sinigaglia (PHI, MVC)	☐ 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=R0dDakVkSzNZQitZZEN0Zm1TTlYvQT09
+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 2, 2025
   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. New Honors Courses and Programs – Bryan Medina
2. GESLO Update – Nick Sinigaglia
3. Curriqunet – Steven Schmidt
4. Curriculum Calendar – Cassandra Greene
5. Open Forum
6. Public Comment for all items on or not otherwise on the agenda.

Adjournment:

Technical Review - Curriculum Proposals
Proposals for Review for 09/16/2025

Courses

Course Deletions

			M	N	R	Notes
	CAT 36A	Legal Office Procedures I	☐	☐	☑	
	CAT 36ADE	Legal Office Procedures I	☐	☐	☑	
	CAT 36B	Legal Office Procedures II	☐	☐	☑	
	CAT 37	Legal Terminology	☐	☐	☑	
	CAT 38	Legal Word Processing and Forms	☐	☐	☑	
H	HLS 50	Developing a Personal Philosophy of Leadership and Ethics	☑	☐	☐	

No attachments; Courses are a part of the Emergency Management and Homeland Security - Leadership program.

			M	N	R	Notes
H	HLS 51	Leading Others Ethically	☑	☐	☐	
H	HLS 52	Ethical Leadership in Organizations	☑	☐	☐	
H	HLS 53	Ethics and the Challenge of Leadership	☑	☐	☐	
H	THE 200	Theatre Arts Work Experience	☑	☑	☑	

Does not have minutes.

Course Exclusions

			M	N	R	Notes
	ANT 16	Field Methods in Archaeology	☑	☐	☐	

Course Major Modifications

			M	N	R	Notes
	CAT 53	Keyboarding Fundamentals	☑	☐	☑	
	ENGL C1003	Critical Thinking and Writing through Literature	☑	☑	☑	
	ENGL C1003H	Critical Thinking and Writing Through Literature - Honors	☑	☑	☑	
H	HLS 1	Introduction to Homeland Security and Terrorism	☑	☐	☐	

COR indicates GE, but this can be disregarded. Curriqunet will be removing that section of the COR. Missing minutes.

			M	N	R	Notes
H	HLS 101	Introduction to Emergency Management	☑	☐	☐	

Missing minutes. Needs to hold for PSF-1, areas of the COR are missing.

			M	N	R	Notes
H	HLS 2	Preparedness for Emergencies, Disasters & Homeland Security Incidents	☑	☐	☐	

Holding for PSF-2

Courses

Course Major Modifications

			M	N	R	Notes
H	**HLS 3**	**Response to Emergencies, Disasters and Homeland Security Incidents**	☑	☐	☐	
	Holding for PSF-3					
H	**HLS 4**	**Recovery in Emergencies, Disasters and Homeland Security Incidents**	☑	☐	☐	
	Holding for PSF-4					
	KIN 14	**Athletic and Fitness Organization and Administration**	☐	☐	☑	
	KIN 4	**Nutrition**	☑	☑	☑	
	KIN 44B	**Yoga Instructor Methodologies**	☑	☐	☑	
	KIN V21	**Volleyball, Varsity, Women**	☐	☐	☑	
	MAG 62	**Introduction to Hotel Management**	☐	☐	☑	
H	**PHY 4A**	**Mechanics**	☑	☑	☑	
	No corequisite entry skills. Units/hours may need to be reviewed. Unclear if these courses were approved at the discipline level. Unit change, this course is in a variety of programs that will need to be updated.					
H	**PHY 4B**	**Electricity and Magnetism**	☑	☑	☑	
	No corequisite entry skills. Units/hours may need to be reviewed. Unclear if these courses were approved at the discipline level. Unit change, this course is in a variety of programs that will need to be updated.					
H	**PHY 4C**	**Light, Optics, and Modern Physics**	☑	☑	☑	
	No corequisite entry skills. Title change, this course is in a variety of programs that will need to be updated.					

Course Minor Modifications

			M	N	R	Notes
	ACC 19	**Volunteer Income Tax Assistance Training**	☐	☐	☑	
	ADM 2C	**Ethics and Legalities for Graphic Designers**	☑	☐	☑	
H	**AUB 50**	**Introduction to Automotive Collision Repair**	☐	☐	☑	
	For all AUB courses, minutes are for the previous modification. Text book is from 2017, but may still be current.					
H	**AUB 51**	**Automotive Non-Structural Collision Repair and Estimating**	☐	☐	☑	
H	**AUB 52**	**Automotive Refinishing and Paint**	☐	☐	☑	
H	**AUB 54**	**Automotive Structural Collision Repair and Frame**	☐	☐	☑	
H	**AUB 55**	**Automotive Advanced Refinishing and Custom Paint**	☐	☐	☑	
H	**AUB 56**	**Automotive Technology for the Automotive Collision Specialist**	☐	☐	☑	

Courses

Course Minor Modifications

		M	N	R	Notes
H	AUB 57 **Antique and Classic Auto Restoration and Fabrication**	☐	☐	☑	
H	AUB 59A **Automotive Collision Service and Repair**	☐	☐	☑	
H	AUB 59B **Automotive Refinishing Service and Repair**	☐	☐	☑	
H	AUB 60 **Automotive Trim and Upholstery I**	☐	☐	☑	
H	AUB 61 **Automotive Trim and Upholstery II**	☐	☐	☑	
H	AUT 13A **Hybrid and Electric Vehicle Technology 1** Need updated minutes for AUT courses.	☐	☐	☑	
H	AUT 13B **Advanced Hybrid and Electric Vehicle Technology**	☐	☐	☑	
H	AUT 1A **Automotive Engine Repair (Upper End)**	☐	☐	☑	
H	AUT 1B **Automotive Engine Repair (Lower End)**	☐	☐	☑	
H	AUT 2 **Automotive Automatic Transmission/Transaxles**	☐	☐	☑	
H	AUT 3 **Automotive Manual Drivetrain Systems**	☐	☐	☑	
H	AUT 4A **Automotive Steering and Suspension**	☐	☐	☑	
H	AUT 4B **Advanced Suspension and Brake Systems**	☐	☐	☑	
H	AUT 5 **Automotive Brakes**	☐	☐	☑	
H	AUT 50 **Automotive Principles**	☐	☐	☑	
H	AUT 6A **Automotive Electrical Systems 1**	☐	☐	☑	
H	AUT 6B **Automotive Electrical Systems 2**	☐	☐	☑	
H	AUT 7 **Automotive Heating and Air Conditioning**	☐	☐	☑	
H	AUT 801 **ASE Test Preparation- Engine Repair**	☐	☐	☑	
H	AUT 802 **ASE Test Preparation- Automatic Transmission/ Transaxle**	☐	☐	☑	
H	AUT 803 **ASE Test Preparation- Manual Drive Train and Axles**	☐	☐	☑	
H	AUT 804 **ASE Test Preparation - Suspension and Steering**	☐	☐	☑	
H	AUT 805 **ASE Test Preparation- Brakes**	☐	☐	☑	
H	AUT 806 **ASE Test Preparation- Electrical/Electronic Systems**	☐	☐	☑	
H	AUT 807 **ASE Test Preparation- Heating and Air Conditioning**	☐	☐	☑	
H	AUT 808 **ASE Test Preparation- Engine Performance**	☐	☐	☑	

Courses

Course Minor Modifications

		M	N	R	Notes
H AUT 811	**ASE Test Preparation- Advanced Engine Performance**	☐	☐	☑	
H AUT 8A	**Automotive Engine Performance 1**	☐	☐	☑	
H AUT 8B	**Automotive Engine Performance 2**	☐	☐	☑	
H AUT 8C	**Automotive Emission Controls**	☐	☐	☑	
CAT 1A	**Business Etiquette**	☑	☑	☑	
CAT 3	**Computer Applications for Business**	☑	☑	☑	
CAT 30A	**Business English 30A**	☐	☐	☑	
CAT 50	**Beginning Computer Keyboarding**	☑	☐	☑	
CAT 51	**Intermediate Keyboarding/Document Formatting**	☑	☑	☑	
CAT 62	**Records Management**	☑	☐	☑	
CAT 898	**Windows, File Management, Internet, and Canvas Basics**	☐	☐	☑	
CAT 93	**Computers for Beginners**	☑	☑	☑	
CAT 98A	**Introduction to Excel**	☑	☑	☑	
CAT 98B	**Advanced Excel**	☑	☑	☑	
CIS 3	**Computer Applications for Business**	☑	☑	☑	
CIS 93	**Computers for Beginners**	☑	☑	☑	
CIS 98A	**Introduction to Excel**	☑	☑	☑	
CIS 98B	**Advanced Excel**	☑	☑	☑	
COS 61A	**Level I Cosmetology Instructor Concepts A**	☐	☐	☑	
H FTV 12	**History of American Film**	☐	☐	☑	

All FTV courses have old minutes. Some of the FTV courses have objectives and outcomes that are identical.

		M	N	R	Notes
H FTV 38A	**Beginning Film, Television and Video Production Project**	☐	☐	☑	
H FTV 38B	**Advanced Film, Television and Video Production Project**	☐	☐	☑	
H FTV 41	**Introduction to Telecommunications**	☐	☐	☑	
H FTV 42	**Writing for Broadcast Television**	☐	☐	☑	

Courses

Course Minor Modifications

				M	N	R	Notes
H	FTV 44A	Beginning Television Production		☐	☐	☑	
H	FTV 45A	Beginning Television News Production		☐	☐	☑	
H	FTV 51A	Film, Television and Video Laboratory I		☐	☐	☑	
H	FTV 52	Film, Television and Video Laboratory		☐	☐	☑	
H	FTV 53	Telecommunications Laboratory		☐	☐	☑	
H	FTV 64A	Beginning Digital Editing Principles and Techniques		☐	☐	☑	
H	FTV 65	The Director's Art in Filmmaking		☐	☐	☑	
H	FTV 67	Introduction to Video Production		☐	☐	☑	
H	FTV 68	Story Development Process in the Entertainment Industry		☐	☐	☑	
H	FTV 71A	Beginning Sound Engineering for Audio in Media		☐	☐	☑	
H	FTV 72	Introduction to Lighting Design for Film and Television		☐	☐	☑	
H	FTV 74	Production Planning and Management		☐	☐	☑	
H	FTV 77	Intermediate Lighting Techniques for Film, TV and Video		☐	☐	☑	
H	FTV 79	Introduction to Special Effects Make-Up for Film, Television and Video		☐	☐	☑	
	JOU 20A	Newspaper: Beginning		☑	☐	☑	
	JOU 20B	Newspaper: Intermediate		☑	☐	☑	
	JOU 20C	Newspaper: Advanced		☑	☐	☑	
	JOU 20D	Newspaper: Professional		☑	☐	☑	
	KIN A86	Step Aerobics		☑	☐	☐	
	KIN V07	Golf, Varsity, Men		☐	☐	☑	
	KIN V08	Tennis, Varsity, Men		☐	☐	☑	
	KIN V18	Tennis, Varsity, Women		☐	☐	☑	
	KIN V22	Fastpitch, Varsity, Women		☐	☐	☑	
H	THE 2	Play Practicum-Special Projects Laboratory I		☐	☑	☑	

All THE courses need minutes.

				M	N	R	Notes
H	THE 25	Makeup for the Stage		☐	☑	☑	

Courses

Course Minor Modifications   M N R   Notes

			M	N	R	Notes
H	THE 26	Directing for the Stage	☐	☑	☑	
H	THE 29	Musical Theater Appreciation	☐	☑	☑	
H	THE 3	Introduction to the Theater	☑	☑	☑	
H	THE 30	Voice and Movement for the Stage	☐	☐	☑	
H	THE 32	Acting Fundamentals - Theater Games and Exercises	☑	☑	☑	
H	THE 33	Scene Acting-Creating a Role	☐	☑	☑	
H	THE 34	Scene Study in Various Theatrical Styles	☐	☑	☑	
H	THE 35	Classical Acting with Emphasis in Shakespearean Verse	☐	☑	☑	
H	THE 36	Improvisational Acting	☐	☑	☑	
H	THE 37	Musical Theater Techniques	☐	☐	☑	
H	THE 38	Auditioning for the Stage	☐	☐	☑	
H	THE 39	Acting for the Camera	☐	☑	☑	
H	THE 4	Play Practicum-Special Projects Lab II	☐	☑	☑	
H	THE 41	Elementary Stagecraft	☐	☑	☑	
H	THE 44	Theatrical Set Design	☐	☑	☑	
H	THE 46	Theatrical Costume Design	☐	☑	☑	
H	THE 48	Theatrical Lighting Design	☐	☑	☑	
H	THE 49	Scenic Painting for the Theater	☐	☐	☑	
H	THE 5	Theater Practicum	☐	☑	☑	
H	THE 54	Introduction to Stage Management	☐	☐	☑	
H	THE 55	Beginning Musical Theatre I	☐	☐	☑	
H	THE 56	Beginning Musical Theatre II	☐	☐	☑	
H	THE 57	Intermediate Musical Theatre I	☐	☐	☑	
H	THE 58	Intermediate Musical Theatre II	☐	☐	☑	
H	THE 6	Advanced Theater Practicum	☐	☑	☑	
H	THE 9	Dramatic Literature-Script Analysis	☐	☑	☑	

Courses

Course Reactivation

			M	N	R	Notes
H	ADM 200	Applied Digital Media Work Experience	☐	☐	☑	

Course description needs to be edited to reflect updated work experience hours.

New Courses

			M	N	R	Notes
H	CIS 64	Data and Technology Ethics	☑	☐	☑	

Many GESLOs. Has an 18 hour lab, total units calculated to 3.33 units. Holding to alert faculty to unfunded lab. This has been added to the Data Analytics, Data Science, and IT programs.

			M	N	R	Notes
	ESL 820	Medical Terminology 1 for English Language Learners	☑	☑	☑	
	ESL 821	Medical Terminology II for English Language Learners	☑	☑	☑	
	KIN V16	Flag Football, Varsity, Women	☑	☑	☑	
	MAG 837	Project Management for Non-Project Managers	☐	☐	☑	
	MAG 838	Project Management: Process Improvement	☐	☐	☑	
	MAG 839	Project Management: Building High-Performance Teams	☐	☐	☑	
H	MAN 33	Programmable Controller Troubleshooting 1	☐	☑	☐	

Need the entrance skill link. There appears to be other ELE-65 and MAN-67 versions of this course. MAN-32 is in draft and is the prereq for MAN-33. Needs to hold for MAN-32.

			M	N	R	Notes
H	PSF 1	Introduction to Homeland Security and Terrorism	☑	☐	☐	

HLS-1 has a DE addendum. Faculty should submit a DE addendum for PSF-1 as well.

			M	N	R	Notes
	PSF 301	Leadership and Ethics in Public Safety	☑	☐	☐	

Programs

Program Modifications

M N R   Notes

ADT

			M	N	R	Notes
H	MAT	Mathematics 2.0	☐	☐	☑	

Holding for PHY courses with unit/title changes.

			M	N	R	Notes
H	PHY	Physics 2.0	☑	☐	☐	

Holding for PHY courses with unit and title changes.

			M	N	R	Notes
H	PHY	Physics 2.0	☐	☑	☐	

Holding for PHY courses with unit/title changes.

			M	N	R	Notes
H	PHY	Physics 2.0	☐	☐	☑	

Holding for PHY courses with unit/title changes.

Programs

Program Modifications M N R Notes

Certificate

H **CIS** **Data Analytics** ☑ ☐ ☐
Holding for CIS-64

Degree

H **CIS** **Data Science** ☑ ☐ ☐
Holding for CIS-64

H **CIS** **Information Technology (IT) Cybersecurity** ☑ ☐ ☐
Holding for CIS-64

Technical Review - Curriculum Proposals

Proposals for Review for 09/16/2025

Courses

Course Deletions   M N R   Discussion   Action

CAT 36A	**Legal Office Procedures I**	☐ ☐ ☑	
Rationale:	Removal for program discontinuance.		

CAT 36ADE	**Legal Office Procedures I**	☐ ☐ ☑	
Rationale:	program deletion pending		

CAT 36B	**Legal Office Procedures II**	☐ ☐ ☑	
Rationale:	Program deletion		

CAT 37	**Legal Terminology**	☐ ☐ ☑	
Rationale:	Two-year CTE review - program and course deletion.		

CAT 38	**Legal Word Processing and Forms**	☐ ☐ ☑	
Rationale:	program and course discontinuance		

H | **HLS 50** | **Developing a Personal Philosophy of Leadership and Ethics** | ☑ ☐ ☐ | No attachments; Courses are a part of the Emergency Management and Homeland Security - Leadership program.

Rationale: This course was being offered in conjunction with the Riverside County Sheriff's Department, who is no longer interested in offering the course. The curriculum was proprietary, and the Sheriff's Department paid for instructors to go to the required instructor training. With the Sheriff's loss of interest, it is no longer feasible to offer this class.

H | **HLS 51** | **Leading Others Ethically** | ☑ ☐ ☐ |

Rationale: This course was being offered in conjunction with the Riverside County Sheriff's Department, who is no longer interested in offering the course. The curriculum was proprietary, and the Sheriff's Department paid for instructors to go to the required instructor training. With the Sheriff's loss of interest, it is no longer feasible to offer this class.

H | **HLS 52** | **Ethical Leadership in Organizations** | ☑ ☐ ☐ |

Rationale: This course was being offered in conjunction with the Riverside County Sheriff's Department, who is no longer interested in offering the course. The curriculum was proprietary, and the Sheriff's Department paid for instructors to go to the required instructor training. With the Sheriff's loss of interest, it is no longer feasible to offer this class.

Technical Review Proposals for 09/16/2025
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.

Page 1 of 16

Courses

Course Deletions

			M N R	Discussion	Action

H **HLS 53** **Ethics and the Challenge of Leadership** ☑☐☐

Rationale: This course was being offered in conjunction with the Riverside County Sheriff's Department, who is no longer interested in offering the course. The curriculum was proprietary, and the Sheriff's Department paid for instructors to go to the required instructor training. With the Sheriff's loss of interest, it is no longer feasible to offer this class.

H **THE 200** **Theatre Arts Work Experience** ☑☑☑ Does not have minutes.

Rationale: Deactivating course.

Course Exclusions

			M N R	Discussion	Action

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.

Course Major Modifications

			M N R	Discussion	Action

CAT 53 **Keyboarding Fundamentals** ☑☐☑

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

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.

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.

Technical Review Proposals for 09/16/2025
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Page 2 of 16

Courses

			M N R	Discussion	Action
	Course Major Modifications				
H	**HLS 1**	Introduction to Homeland Security and Terrorism	☑☐☐	COR indicates GE, but this can be disregarded. Curriqunet will be removing that section of the COR. Missing minutes.	
	Rationale:	Added cross-listing to PSF-1 and updated book.			
H	**HLS 101**	Introduction to Emergency Management	☑☐☐	Missing minutes. Needs to hold for PSF-1, areas of the COR are missing.	
	Rationale:	Update CLOs, SLOs, Content and book to better align with forthcoming BSEM.			
H	**HLS 2**	Preparedness for Emergencies, Disasters & Homeland Security Incidents	☑☐☐	Holding for PSF-2	
	Rationale:	Updated SLOs and Objectives and reworded Course Content. Book updated to latest edition.			
H	**HLS 3**	Response to Emergencies, Disasters and Homeland Security Incidents	☑☐☐	Holding for PSF-3	
	Rationale:	This modification updates course learning objectives, student learning outcomes, content and books to better prepare students for the Bachelor of Science in Emergency Management.			
H	**HLS 4**	Recovery in Emergencies, Disasters and Homeland Security Incidents	☑☐☐	Holding for PSF-4	
	Rationale:	This major modification updates the course objectives, student learning outcomes, content and book to better align the course with the Bachelor of Science in Emergency Management.			
	KIN 14	Athletic and Fitness Organization and Administration	☐☐☑		
	Rationale:	Update Course materials, update SLOs, update course content			
	KIN 4	Nutrition	☑☑☑		
	Rationale:	Update course materials, Update course objectives, Update course content			
	KIN 44B	Yoga Instructor Methodologies	☑☐☑		
	Rationale:	Add a richer course description that includes topics and the connection to Yoga Alliance.			
	KIN V21	Volleyball, Varsity, Women	☐☐☑		
	Rationale:	Making adjustments to pass/no pass, update course materials			
	MAG 62	Introduction to Hotel Management	☐☐☑		
	Rationale:	Updating for C-ID approval			

Technical Review Proposals for 09/16/2025
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Page 3 of 16

Courses

Course Major Modifications

			M N R	Discussion	Action

H **PHY 4A** — **Mechanics** ☑☑☑
Rationale: Adding material and increasing units to comply with new Physics 2.0 TMC; converting 4-semester sequence to 3 semesters. Updating prerequisites to match UC requirements and better ensure student success.
Discussion: No corequisite entry skills. Units/hours may need to be reviewed. Unclear if these courses were approved at the discipline level. Unit change, this course is in a variety of programs that will need to be updated.

H **PHY 4B** — **Electricity and Magnetism** ☑☑☑
Rationale: Adding material and increasing units to comply with new Physics 2.0 TMC; converting 4-semester sequence to 3 semesters. Updating prerequisites to match UC requirements and better ensure student success.
Discussion: No corequisite entry skills. Units/hours may need to be reviewed. Unclear if these courses were approved at the discipline level. Unit change, this course is in a variety of programs that will need to be updated.

H **PHY 4C** — **Light, Optics, and Modern Physics** ☑☑☑
Rationale: With the addition of content to PHY-4A and PHY-4B, some content is being removed from PHY-4C to avoid unnecessary repetition. The content is being replaced with the current content of PHY-4D, keeping the number of units of PHY-4C the same. This reduces the total number of physics courses required for physics majors to 3, and reduces the total number of units from 16 to 14.
Discussion: No corequisite entry skills. Title change, this course is in a variety of programs that will need to be updated.

Course Minor Modifications

			M N R	Discussion	Action

ACC 19 — **Volunteer Income Tax Assistance Training** ☐☐☑
Rationale: No changes needed. Course mirrors ACC 819.

ADM 2C — **Ethics and Legalities for Graphic Designers** ☑☐☑
Rationale: Textbook update.

H **AUB 50** — **Introduction to Automotive Collision Repair** ☐☐☑
Rationale: Course reviewed, no modifications needed at this time.
Discussion: For all AUB courses, minutes are for the previous modification. Text book is from 2017, but may still be current.

H **AUB 51** — **Automotive Non-Structural Collision Repair and Estimating** ☐☐☑
Rationale: Course reviewed, no modifications needed at this time.

H **AUB 52** — **Automotive Refinishing and Paint** ☐☐☑
Rationale: Course reviewed, no modifications needed at this time.

Technical Review Proposals for 09/16/2025
Proposals marked with a red "H" were held at a previous Tech Review meeting.
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Page 4 of 16

Courses

Course Minor Modifications

			M	N	R	Discussion	Action
H	**AUB 54**	**Automotive Structural Collision Repair and Frame**	☐	☐	☑		
	Rationale:	Course reviewed, no modifications needed at this time.					
H	**AUB 55**	**Automotive Advanced Refinishing and Custom Paint**	☐	☐	☑		
	Rationale:	Course reviewed, no modifications needed at this time.					
H	**AUB 56**	**Automotive Technology for the Automotive Collision Specialist**	☐	☐	☑		
	Rationale:	Course reviewed, no modifications needed at this time.					
H	**AUB 57**	**Antique and Classic Auto Restoration and Fabrication**	☐	☐	☑		
	Rationale:	Course reviewed, no modifications needed at this time.					
H	**AUB 59A**	**Automotive Collision Service and Repair**	☐	☐	☑		
	Rationale:	Course reviewed, no modifications needed at this time.					
H	**AUB 59B**	**Automotive Refinishing Service and Repair**	☐	☐	☑		
	Rationale:	Course reviewed, no modifications needed at this time.					
H	**AUB 60**	**Automotive Trim and Upholstery I**	☐	☐	☑		
	Rationale:	Course reviewed, no modifications needed at this time.					
H	**AUB 61**	**Automotive Trim and Upholstery II**	☐	☐	☑		
	Rationale:	Course reviewed, no modifications needed at this time.					
H	**AUT 13A**	**Hybrid and Electric Vehicle Technology 1**	☐	☐	☑	Need updated minutes for AUT courses.	
	Rationale:	Review of Course Outline					
H	**AUT 13B**	**Advanced Hybrid and Electric Vehicle Technology**	☐	☐	☑		
	Rationale:	Review of Course Outline					
H	**AUT 1A**	**Automotive Engine Repair (Upper End)**	☐	☐	☑		
	Rationale:	Two year review. No modifications needed.					
H	**AUT 1B**	**Automotive Engine Repair (Lower End)**	☐	☐	☑		
	Rationale:	2 year review and course update as needed.					
H	**AUT 2**	**Automotive Automatic Transmission/Transaxles**	☐	☐	☑		
	Rationale:	Two-year review. No modifications needed.					
H	**AUT 3**	**Automotive Manual Drivetrain Systems**	☐	☐	☑		
	Rationale:	Two-year review and book update as needed.					

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Page 5 of 16

Courses

Course Minor Modifications

			M	N	R	Discussion	Action

H   **AUT 4A**   **Automotive Steering and Suspension**   ☐ ☐ ☑
Rationale: Two-year review and book update as needed.

H   **AUT 4B**   **Advanced Suspension and Brake Systems**   ☐ ☐ ☑
Rationale: Review of Course Outline

H   **AUT 5**   **Automotive Brakes**   ☐ ☐ ☑
Rationale: Two-year review and book update as needed.

H   **AUT 50**   **Automotive Principles**   ☐ ☐ ☑
Rationale: 2 year review. Course update as needed

H   **AUT 6A**   **Automotive Electrical Systems 1**   ☐ ☐ ☑
Rationale: 2 year review. Course update as needed.

H   **AUT 6B**   **Automotive Electrical Systems 2**   ☐ ☐ ☑
Rationale: Review of Course Outline

H   **AUT 7**   **Automotive Heating and Air Conditioning**   ☐ ☐ ☑
Rationale: Two-year review and book update as needed.

H   **AUT 801**   **ASE Test Preparation- Engine Repair**   ☐ ☐ ☑
Rationale: Two-year review and book update as needed.

H   **AUT 802**   **ASE Test Preparation- Automatic Transmission/ Transaxle**   ☐ ☐ ☑
Rationale: Two-year review and book update as needed.

H   **AUT 803**   **ASE Test Preparation- Manual Drive Train and Axles**   ☐ ☐ ☑
Rationale: Two-year review and book update as needed.

H   **AUT 804**   **ASE Test Preparation - Suspension and Steering**   ☐ ☐ ☑
Rationale: Two-year review and book update as needed.

H   **AUT 805**   **ASE Test Preparation- Brakes**   ☐ ☐ ☑
Rationale: Two-year review and book update as needed.

H   **AUT 806**   **ASE Test Preparation- Electrical/Electronic Systems**   ☐ ☐ ☑
Rationale: Two-year review and book update as needed.

H   **AUT 807**   **ASE Test Preparation- Heating and Air Conditioning**   ☐ ☐ ☑
Rationale: Two-year review and book update as needed.

Technical Review Proposals for 09/16/2025
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Page 6 of 16

Courses

Course Minor Modifications   M N R   Discussion   Action

H   **AUT 808**   **ASE Test Preparation- Engine Performance**   ☐ ☐ ☑
Rationale: Two-year review and book update as needed.

H   **AUT 811**   **ASE Test Preparation- Advanced Engine Performance**   ☐ ☐ ☑
Rationale: Two-year review and book update as needed.

H   **AUT 8A**   **Automotive Engine Performance 1**   ☐ ☐ ☑
Rationale: Two-year review and book update as needed.

H   **AUT 8B**   **Automotive Engine Performance 2**   ☐ ☐ ☑
Rationale: Two-year review and book update as needed.

H   **AUT 8C**   **Automotive Emission Controls**   ☐ ☐ ☑
Rationale: Two-year review and book update as needed.

CAT 1A   **Business Etiquette**   ☑ ☑ ☑
Rationale: Two-year CTE review. Book update.

CAT 3   **Computer Applications for Business**   ☑ ☑ ☑
Rationale: Two-year CTE Review of content and materials.

CAT 30A   **Business English 30A**   ☐ ☐ ☑
Rationale: Two-year CTE review of content and materials.

CAT 50   **Beginning Computer Keyboarding**   ☑ ☐ ☑
Rationale: Check and update for CTE 2-Year Review

CAT 51   **Intermediate Keyboarding/Document Formatting**   ☑ ☑ ☑
Rationale: Two-year CTE review of content and course materials.

CAT 62   **Records Management**   ☑ ☐ ☑
Rationale: Two-year CTE review of content and course materials.

CAT 898   **Windows, File Management, Internet, and Canvas Basics**   ☐ ☐ ☑
Rationale: Two year review. Content and Materials review.

CAT 93   **Computers for Beginners**   ☑ ☑ ☑
Rationale: Two-year CTE Review of content and materials

CAT 98A   **Introduction to Excel**   ☑ ☑ ☑
Rationale: Two-year CTE Review of content and materials.

Technical Review Proposals for 09/16/2025
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Page 7 of 16

Courses

Course Minor Modifications

			M N R	Discussion	Action

	CAT 98B	**Advanced Excel**	☑ ☑ ☑		
	Rationale:	Two-year CTE review of content and materials.			
	CIS 3	**Computer Applications for Business**	☑ ☑ ☑		
	Rationale:	Two-year CTE review of content and course materials.			
	CIS 93	**Computers for Beginners**	☑ ☑ ☑		
	Rationale:	Two-year CTE review of content and materials.			
	CIS 98A	**Introduction to Excel**	☑ ☑ ☑		
	Rationale:	Two year CTE review of content and materials.			
	CIS 98B	**Advanced Excel**	☑ ☑ ☑		
	Rationale:	Two year CTE review of content and materials.			
	COS 61A	**Level I Cosmetology Instructor Concepts A**	☐ ☐ ☑		
	Rationale:	Update textbook			
H	**FTV 12**	**History of American Film**	☐ ☐ ☑	All FTV courses have old minutes. Some of the FTV courses have objectives and outcomes that are identical.	
	Rationale:	Following course review, it has been determined that the course remains current and does not require modification.			
H	**FTV 38A**	**Beginning Film, Television and Video Production Project**	☐ ☐ ☑		
	Rationale:	After careful review, no updates required.			
H	**FTV 38B**	**Advanced Film, Television and Video Production Project**	☐ ☐ ☑		
	Rationale:	After careful review, no update is needed.			
H	**FTV 41**	**Introduction to Telecommunications**	☐ ☐ ☑		
	Rationale:	After careful review, a new book update, no other updates needed.			
H	**FTV 42**	**Writing for Broadcast Television**	☐ ☐ ☑		
	Rationale:	After review, no changes. The course is up-to-date.			
H	**FTV 44A**	**Beginning Television Production**	☐ ☐ ☑		
	Rationale:	No changes, this course is up-to-date.			
H	**FTV 45A**	**Beginning Television News Production**	☐ ☐ ☑		
	Rationale:	After review, no updates needed,			
H	**FTV 51A**	**Film, Television and Video Laboratory I**	☐ ☐ ☑		
	Rationale:	Course reviewed, no update needed.			

Technical Review Proposals for 09/16/2025
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Page 8 of 16

Courses

Course Minor Modifications

			M N R	Discussion	Action

H	**FTV 52**	**Film, Television and Video Laboratory**	☐ ☐ ☑		
	Rationale:	Course reviewed, no update needed.			
H	**FTV 53**	**Telecommunications Laboratory**	☐ ☐ ☑		
	Rationale:	Course reviewed, no update needed.			
H	**FTV 64A**	**Beginning Digital Editing Principles and Techniques**	☐ ☐ ☑		
	Rationale:	Course reviewed, no update needed.			
H	**FTV 65**	**The Director's Art in Filmmaking**	☐ ☐ ☑		
	Rationale:	Course reviewed, new book updated.			
H	**FTV 67**	**Introduction to Video Production**	☐ ☐ ☑		
	Rationale:	After careful review, no update is needed.			
H	**FTV 68**	**Story Development Process in the Entertainment Industry**	☐ ☐ ☑		
	Rationale:	After careful review, no update is needed.			
H	**FTV 71A**	**Beginning Sound Engineering for Audio in Media**	☐ ☐ ☑		
	Rationale:	After careful review, no update is needed.			
H	**FTV 72**	**Introduction to Lighting Design for Film and Television**	☐ ☐ ☑		
	Rationale:	After careful review, no update is needed.			
H	**FTV 74**	**Production Planning and Management**	☐ ☐ ☑		
	Rationale:	After careful review, no update is needed.			
H	**FTV 77**	**Intermediate Lighting Techniques for Film, TV and Video**	☐ ☐ ☑		
	Rationale:	After careful review, no update is needed.			
H	**FTV 79**	**Introduction to Special Effects Make-Up for Film, Television and Video**	☐ ☐ ☑		
	Rationale:	After careful review, no update is needed.			
	JOU 20A	**Newspaper: Beginning**	☑ ☐ ☑		
	Rationale:	2-year CTE review. No changes needed.			
	JOU 20B	**Newspaper: Intermediate**	☑ ☐ ☑		
	Rationale:	2-year CTE review. No changes needed.			
	JOU 20C	**Newspaper: Advanced**	☑ ☐ ☑		
	Rationale:	2-year CTE review. No changes needed.			

Technical Review Proposals for 09/16/2025
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Page 9 of 16

Courses

Course Minor Modifications
			M	N	R	Discussion	Action

		M N R	Discussion	Action
JOU 20D	**Newspaper: Professional**	☑ ☐ ☑		
Rationale:	2-year CTE review. No changes needed.			
KIN A86	**Step Aerobics**	☑ ☐ ☐		
Rationale:	Small edits to methods of instruction, methods of evaluation and sample assignments to include more current step aerobic trends and updated information.			
KIN V07	**Golf, Varsity, Men**	☐ ☐ ☑		
Rationale:	Update course materials			
KIN V08	**Tennis, Varsity, Men**	☐ ☐ ☑		
Rationale:	Update course materials			
KIN V18	**Tennis, Varsity, Women**	☐ ☐ ☑		
Rationale:	Update course materials			
KIN V22	**Fastpitch, Varsity, Women**	☐ ☐ ☑		
Rationale:	Update course materials			
H **THE 2**	**Play Practicum-Special Projects Laboratory I**	☐ ☑ ☑	All THE courses need minutes.	
Rationale:	Graded on acting, set construction, lighting, costuming, house management, props and make-up on a small scale.			
H **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.			
H **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.			
H **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.			
H **THE 3**	**Introduction to the Theater**	☑ ☑ ☑		
Rationale:	Graded on the historical and modern aspects of acting, directing, playwriting, scenic design, costume design, sound design,			

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Page 10 of 16

Courses

Course Minor Modifications

M N R   Discussion   Action

H **THE 30** **Voice and Movement for the Stage** ☐ ☐ ☑

Rationale: Grading will be based on principles arid 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.

H **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.

H **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.

H **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.

H **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.

H **THE 36** **Improvisational Acting** ☐ ☑ ☑

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

H **THE 37** **Musical Theater Techniques** ☐ ☐ ☑

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

H **THE 38** **Auditioning for the Stage** ☐ ☐ ☑

Rationale: Students will Create a repetoir of material for auditions

H **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.

H **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 .

Technical Review Proposals for 09/16/2025
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Page 11 of 16

Courses

Course Minor Modifications M N R Discussion Action

H | **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.

H | **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.

H | **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.

H | **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.

H | **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.

H | **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.

H | **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.

H | **THE 55** | **Beginning Musical Theatre I** | ☐ ☐ ☑
Rationale: Grading done on acting, musical theater vocal production, dance in contemporary Musical Theatre.

H | **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.

Technical Review Proposals for 09/16/2025
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Page 12 of 16

Courses

Course Minor Modifications

			M	N	R	Discussion	Action
H	**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.					
H	**THE 58**	**Intermediate Musical Theatre II**	☐	☐	☑		
	Rationale:	scene study, callback technique, resume, headshot, demo reel, and website development are utilized for grading purposes.					
H	**THE 6**	**Advanced Theater Practicum**	☐	☑	☑		
	Rationale:	Graded performance including units in acting, technical design and construction, lighting, costuming, house management, props and make-up.					
H	**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.					

Course Reactivation

			M	N	R	Discussion	Action
H	**ADM 200**	**Applied Digital Media Work Experience**	☐	☐	☑	Course description needs to be edited to reflect updated work experience hours.	
	Rationale:	ADM-200, along with ADM-70, create capstone experiences for students who are finishing their graphic design or graphic communication degree/certificate.					

New Courses

			M	N	R	Discussion	Action
H	**CIS 64**	**Data and Technology Ethics**	☑	☐	☑	Many GESLOs. Has an 18 hour lab, total units calculated to 3.33 units. Holding to alert faculty to unfunded lab. This has been added to the Data Analytics, Data Science, and IT programs.	
	Rationale:	This course is created to better aligned with university programs, Data Science and Cybersecurity. It also helps students learn ethical practices when using technologies, access data to better protect individual privacy and organization intellectual property for legal, compliance and professional purposes.					

Technical Review Proposals for 09/16/2025
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Page 13 of 16

Courses

New Courses		M N R	Discussion	Action

ESL 820	**Medical Terminology 1 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.			
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.			
KIN V16	**Flag Football, Varsity, Women**	☑ ☑ ☑		
Rationale:	Create more opportunities for women to compete at the collegiate level.			
MAG 837	**Project Management for Non-Project Managers**	☐ ☐ ☑		
Rationale:	This non-credit course will lead to students taking two additional courses to earn a non-credit certificate. Additionally, it can lead to enrollment in our Management credit certificates or transfer degrees.			
MAG 838	**Project Management: Process Improvement**	☐ ☐ ☑		
Rationale:	This non-credit course will lead to students taking two additional courses to earn a non-credit certificate. Additionally, it can lead to enrollment in our Management credit certificates or transfer degrees.			
MAG 839	**Project Management: Building High-Performance Teams**	☐ ☐ ☑		
Rationale:	This non-credit course will lead to students taking two additional courses to earn a non-credit certificate. Additionally, it can lead to enrollment in our Management credit certificates or transfer degrees.			
H **MAN 33**	**Programmable Controller Troubleshooting 1**	☐ ☑ ☐	Need the entrance skill link. There appears to be other ELE-65 and MAN-67 versions of this course. MAN-32 is in draft and is the prereq for MAN-33. Needs to hold for MAN-32.	
Rationale:	Creating a new course for a new manufacturing certificate.			
H **PSF 1**	**Introduction to Homeland Security and Terrorism**	☑ ☐ ☐	HLS-1 has a DE addendum. Faculty should submit a DE addendum for PSF-1 as well.	
Rationale:	Migrating HLS courses to PSF discipline			

Technical Review Proposals for 09/16/2025
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Page 14 of 16

Courses

New Courses		M N R	Discussion	Action
PSF 301	**Leadership and Ethics in Public Safety**	☑☐☐		
Rationale:	This new course is part of the upper division core of the Bachelor of Science in Emergency Management (BSEM).			

Programs

Program Modifications		M N R	Discussion	Action
ADT				
H **MAT**	**Mathematics 2.0**	☐☐☑	Holding for PHY courses with unit/title changes.	
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.			
H **PHY**	**Physics 2.0**	☑☐☐	Holding for PHY courses with unit and title changes.	
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.			
H **PHY**	**Physics 2.0**	☐☑☐	Holding for PHY courses with unit/title changes.	
Rationale:	This ADT aligns with the updated Physics 2.0 TMC template and will replace the existing ADT in Physics in the catalog.			
H **PHY**	**Physics 2.0**	☐☐☑	Holding for PHY courses with unit/title changes.	
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.			
Certificate				
H **CIS**	**Data Analytics**	☑☐☐	Holding for CIS-64	
Rationale:	To include CIS-64, Technology and Data Ethics course into the program Electives course listing as this is an option for students to possibly receive university transferable credit and meet industry demands for knowledge in ethical practices in data, technology and AI.			

Technical Review Proposals for 09/16/2025
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Page 15 of 16

Programs

Program Modifications   M N R   Discussion   Action

Degree

			M N R	Discussion
H	**CIS** Rationale:	**Data Science** To include CIS-64, Technology and Data Ethics course into the program Electives course listing as this is an option for students to possibly receive university transferable credit and meet industry demands for knowledge in ethical practices in data, technology and AI.	☑ ☐ ☐	Holding for CIS-64
H	**CIS** Rationale:	**Information Technology (IT) Cybersecurity** To include CIS-64, Technology and Data Ethics course into the program Electives listing as this is an option for students to possibly receive university transferable credit and meet industry demands for knowledge in ethical practices in data, technology and AI.	☑ ☐ ☐	Holding for CIS-64

Technical Review Proposals for 09/16/2025
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Page 16 of 16

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)*

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

1 | P a g e

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	Calculus I or Honors Calculus I	4
MAT -1B	Calculus II	4
MAT-1C	Calculus III	4
MAT-2 and	Differential Equations	4
MAT-3	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

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

2 | P a g e

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).

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

3 | P a g e

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

For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk.
Revised April 2025

1 | P a g e

☒ 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***

*For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk.
Revised April 2025*

2 | P a g e

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 OR MAT 1AH And	Calculus I and Calculus II OR Honors Calculus I And Calculus II	4 4 4 4

For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk.
Revised April 2025

3 | P a g e

MAT 1B		
MAT-1C	Calculus III	4
MAT-2 And	Differential Equations And	4
MAT-3	Linear Algebra	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).

For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk.
Revised April 2025

4 | P a g e

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

For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk.
Revised April 2025

1 | P a g e

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

For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk.
Revised April 2025

2 | P a g e

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).

For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk. Revised April 2025

3 | P a g e

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

Program Outline

Title: Physics 2.0

Originator: Brock Russell   **Date** 8/11/2025
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)*

For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk. Revised April 2025

2 | P a g e

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	5
PHY-4B	Electricity and Magnetism	5
PHY-4C	Light, Optics, and Modern Physics	4
MAT-1A/1AH	Calculus I/Honors 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-5/CSC-5	Programming Concepts and Methodology I:C++	4
CIS-30A	Introduction to Python Programming	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).

For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk.
Revised April 2025

3 | P a g e

Program Outline

Title: Data Analytics

Originator: **Kasey Nguyen**   **Date** 5/27/2025

Department:
 STEM-Mathematics and Computer Information Systems

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

☒ **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: 0706.00   **CIP Code: 30.7101**

Type of Program:
☒ Certificate of Achievement only   ☐ Locally approved certificate (8-units or less) only
☐ Associate Degree only   ☐ Certificate of Achievement <u>and</u> 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:
(<u>Please be specific</u>! Indicate any changes to title, description, learning outcomes, courses, unit values, etc.)

- Adding new course CIS -64 to Elective Courses.
- Total units remain the same: 33 units.

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

To include CIS-64, Technology and Data Ethics course into the program Electives course listing as this is an option for students to possibly receive university transferable credit and meet industry demands for knowledge in ethical practices in data, technology and AI.

Required Documentation

For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk. Revised April 2025

1 | Page

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 Degrees and Certificates
☐ Evidence of district-wide discipline communication

☒ College discipline minutes showing approval

☒ 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.

For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk.
Revised April 2025

2 | Page

Program Narrative

Item 1. Program Goals and Objectives

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

Program Learning Outcomes: Upon successful completion of this program, students should be able to:
• Identify, extract, clean and maintain data in databases.
• Interpret and evaluate data trends or patterns in complex data sets using statistical techniques, analytic methods, and tools.
• Create and monitor reports to preserve data quality, identify critical issues, trends, and potential solutions.

Item 2. Catalog Description

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

Item 3. Program Requirements

• Program Requirement: Before entering this program, students must complete MAT-10 or qualifying placement level in mathematics to be successful in courses in the program.

Required Courses: _30_ units

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

For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk. Revised April 2025

3 | Page

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

Elective Courses: __3__ units

Course	Title	Units	Sequencing
CIS-68A	Introduction to Machine Learning	3	Semester 3
CIS-68B	Big Data Fundamentals	3	Semester 3
CIS-2/ CSC-2	Fundamentals of Systems Analysis	3	Semester 3
CIS-20/ CSC-20	Systems Analysis and Design	3	Semester 3
CIS-64	Technology and Data Ethics	3	Semester 3

Total Program Units: __33__ units

Item 4. Master Planning

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

Item 5. Enrollment and Completer Projections

Enrollment Projects for courses are as followed: Required courses:
- CIS-1A: 49 students
- MAT-27B: 49 students
- CIS/CSC-61: 49 students
- CIS-30A or CSC-8: 49 students
- CIS-64: 49 students
- CIS-68A/MAT27A: 49 students
- CIS-68B: 49 students
Electives:
- CIS-68C:49 students
- CIS-2: 49 students
- CIS-20: 49 students
This program is expected to have 50 to 100 students by Spring 2026

For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk. Revised April 2025

4 | Page

Item 6. Place of Program in Curriculum/Similar Programs

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

Item 7. Similar Programs at Other Colleges in Service Area

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

Item 8. Transfer Preparation Information (if applicable)

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

For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk. Revised April 2025

5 | P a g e

Program Narrative

<u>Program Outline</u>

Title: Data Science

Originator: Kasey Nguyen   **Date** 5/27/2025

Department: STEM-Mathematics and Computer Information Systems

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

☒ **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: 0706.00   **CIP Code: 30.7001**

Type of Program:
☐ Certificate of Achievement only   ☐ Locally approved certificate (8-units or less) only
☒ Associate Degree only   ☐ Certificate of Achievement <u>and</u> 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:
(<u>Please be specific</u>! Indicate any changes to title, description, learning outcomes, courses, unit values, etc.)

- Adding new course CIS -64 to Elective Courses.
- Total units remain the same: 40 units.

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

To include CIS-64, Technology and Data Ethics course into the program Electives course listing as this is an option for students to possibly receive university transferable credit and meet industry demands for knowledge in ethical practices in data, technology and AI.

RCCD | RIVERSIDE COMMUNITY COLLEGE DISTRICT

MORENO VALLEY COLLEGE | NORCO COLLEGE | RIVERSIDE CITY COLLEGE

<u>Required Documentation</u>

Please submit this form and the documents outlined below to your college's Curriculum Program Coordinator and the District Technical Review committee via <u>TechReview@rccd.edu</u>. Please do not submit your proposal until all of the documentation below is complete.

<u>All Degrees and Certificates</u>

☒ Evidence of district-wide discipline communication

☒ College discipline minutes showing approval

☒ Department minutes showing approval

☒ Narrative *(see following page)*

☐ Transfer preparation documentation *(only if applicable)*

<u>Degrees and Certificates of 8 Units or More with Vocational TOPs Codes</u>
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.

For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk.
Revised April 2025
2 | P a g e

Program Narrative

Item 1. Program Goals and Objectives

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

Program Learning Outcomes:

Upon successful completion of this program, students should be able to:
- Identify, extract, clean and maintain data in databases.
- Interpret and evaluate data trends or patterns in complex data sets using statistical techniques, analytic methods, and tools.
- Create and monitor reports to preserve data quality, identify critical issues, trends, and potential solutions.

Item 2. Catalog Description

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

Program Requirement: Before entering this program, students must complete MAT-10 or qualifying placement level in mathematics to be successful in courses in the program.

Item 3. Program Requirements

Program Requirement: Before entering this program, student must complete MAT-10 or qualifying placement level in mathematics to be successful in courses in the program.

Required Courses: ___37_ units

Course	Title	Units	Sequencing
CIS-1A	Introduction to Computer Information Systems	3	Semester 1
MAT- 70A/ CIS-70A	Foundations of Data Science	3	Semester 1
CIS-61/ CSC-61	Introduction to Database Theory	3	Semester 1
CIS-30A or CSC-8	Introduction to Python Programming or Programming Concepts: Python	3	Semester 2

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

Revised April 2025

3 | P a g e

MAT-70B	Statistics for STEM	4	Semester 2
MAT-1A/ or MAT-1AH	Calculus I/Honors Calculus I	4	Semester 2
CIS-63/ CSC-63	Introduction to Structured Query Language (SQL)	3	Semester 3
MAT-1B	Calculus II	4	Semester 3
CIS-30E	Advanced Python Programming	3	Semester 4
MAT-1C	Calculus III	4	Semester 4
MAT-3	Linear Algebra	3	Semester 4

Elective Courses: ___3_ units

Course	Title	Units	Sequencing
CIS-68A	Introduction to Machine Learning	3	Semester 3
CIS-68B	Big Data Fundamentals	3	Semester 3
CIS-2/CSC-2	Fundamentals of Systems Analysis	3	Semester 4
CIS-20/CSC-20	Systems Analysis and Design	3	Semester 4
CIS-64	Technology and Data Ethics	3	Semester 4

Total Program Units: _4 0___ units

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

Minimum Degree Units		Maximum Degree Units	
Minimum Major Units	40	Maximum Major Units	40
Double Counted Units	3	Double Counted Units	3
Local GE Required Units	24	CSUGE Required Units	34
Electives	0	Electives	0
Total Minimum Degree Units	61	**Total Maximum Degree Units**	71

Item 4. Master Planning

This degree will increase the diversity in Inland Empire workforce by providing technical training emphasis in Career Technical Education. This program will increase the diversity of student population in STEM, Computer Information Systems and Mathematics. It will allow student to transfer to UC or CSU to pursue a bachelor's degree in Data Science or related areas. The program will also improve the growth in special populations in STEM education, such as potentially increasing the population of female students

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

Revised April 2025

4 | P a g e

and under-represented populations in the areas of STEM. The program is expected to have a steady growth after the initial year with program promotional outreach to local high schools and community centers.

Item 5. Enrollment and Completer Projections

Enrollment Projects for courses are as followed:

Required courses:
- CIS-1A: 49 students
- MAT-70A/CIS-70A: 49 students
- MAT-20B: 49 students
- CIS/CSC-61: 49 students
- CIS/CSC-63: 49 students
- CIS-30A or CSC-8: 49 students
- CIS-68B: 49 students

Electives:
- CIS-68A: 49 students
- CIS-68B: 49 students
- CIS-2: 49 students
- CIS-20: 49 students
- CIS-64: 49 students

This program is expected to have 50 to 100 students by Fall 2026

Item 6. Place of Program in Curriculum/Similar Programs

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

Item 7. Similar Programs at Other Colleges in Service Area

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

Item 8. Transfer Preparation Information (if applicable)

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

For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk.
Revised April 2025

5 | P a g e

Program Outline

Title: Information Technology (IT) Cybersecurity

Originator: Kasey Nguyen   **Date** 5/27/2025

Department: MCIS

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

☒ **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: 0708.00   **CIP Code:** 51.0723

Type of Program:
☐ Certificate of Achievement only   ☐ Locally approved certificate (8-units or less) only
☒ Associate Degree only   ☐ Certificate of Achievement <u>and</u> 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:
(<u>Please be specific</u>! Indicate any changes to title, description, learning outcomes, courses, unit values, etc.)

Added new course as an elective option: CIS- 64   Technology and Data Ethics   3 units. No change to the program total units.

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

To include CIS-64, Technology and Data Ethics course into the program Electives listing as this is an option for students to possibly receive university transferable credit and meet industry demands for knowledge in ethical practices in data, technology and AI.

For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk. Revised April 2025

1 | P a g e

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 Degrees and Certificates

☒ Evidence of district-wide discipline communication

☒ College discipline minutes showing approval

☒ 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.

For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk. Revised April 2025

2 | Page

Program Narrative

Item 1. Program Goals and Objectives
The goal of this program is to increase diversity in the technical workforce while providing students a transfer pathway to a university, such as California State San Bernardino, in which students can further pursue their education and training in cybersecurity.

PROGRAM LEARNING OUTCOMES:
- Upon successful completion of this program, students should be able to:
- Apply security principles and countermeasures to protect information systems against threats.
- Evaluate technical issues and derive solutions to address security gaps.
- Plan, design and implement security controls to reduce risks in information systems.

Item 2. Catalog Description
Associate of Science in Information Technology (IT) Cybersecurity prepares students for IT and cybersecurity workforce. The program coursework includes hands-on practices in system support, networking, security implementation. Students will learn to troubleshoot systems, plan, design and derive viable security controls and solutions to address network and system security gaps.

PROGRAM LEARNING OUTCOMES:
- Upon successful completion of this program, students should be able to:
- Apply security principles and countermeasures to protect information systems against threats.
- Evaluate technical issues and derive solutions to address security gaps.
- Plan, design and implement security controls to reduce risks in information systems.

Item 3. Program Requirements
Required Courses: __26__ units

Course	Title	Units	Sequencing
CIS-1A	Introduction to Computer Information Systems	3	Semester 1, Fall
CIS-25	Information and Communication Technology Essentials	4	Semester 1, Fall
CIS-27	Information and Network Security	3	Semester 1, Fall
CIS-40A	Computer Network Fundamentals	3	Semester 2, Spring
CIS-40B	Network Routing & Switching Essentials	3	Semester 2, Spring
CIS-40D	Systems and Network Administration	3	Semester 3, Fall
CIS-41A	Principles of Cybersecurity Analysis	3	Semester 2, Spring
STAT-C1000/ STAT-C1000H	Introduction to Statistics / Introduction to Statistics-Honors	4	Semester 1, Fall

For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk. Revised April 2025

3 | Page

Elective Courses: __6__ units

Course	Title	Units	Sequencing
BUS-24	Business Communications	3	Semester 2, Spring
CIS-30A	Introduction to Python Programming	3	Semester 2, Spring
CIS-30C	Python Programming in Cybersecurity	3	Semester 3, Fall
CIS-40C	Installing, Configuring and Administering Microsoft Operating Systems	3	Semester 3, Fall
CIS-21	Introduction to Operating Systems	3	Semester 3, Fall
CIS-27A	Computer Forensics Fundamentals	3	Semester 3, Fall
CIS-27B	Introduction to Cybersecurity: Ethical Hacking	3	Semester 3, Fall
CIS-61	Introduction to Database Theory	3	Semester 3, Fall
CIS-64	Technology and Data Ethics	3	Semester 3, Fall

Total Program Units: 32

The **Associate of Science Degree in Information Technology (IT) Cybersecurity** will be awarded upon completion of the degree requirements, including general education and other graduation requirements as described in the college catalog.

Minimum Degree Units		Maximum Degree Units	
Minimum Major Units	32	Maximum Major Units	32
Double Counted Units	3	Double Counted Units	3
Local GE Required Units	24	CSUGE Required Units	34
Electives	7	Electives	0
Total Minimum Degree Units	**60**	**Total Maximum Degree Units**	**63**

Item 4. Master Planning

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

Item 5. Enrollment and Completer Projections

This program is expected to have 50 to 100 students by Fall 2026

Required courses:
CIS-1A   49 students

For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk. Revised April 2025

4 | Page

CIS-25   49 students
CIS-27   49 students
CIS-40A   49 students
CIS-40B   49 students
CIS-40D   49 students
CIS-41A   49 students
MAT-12   50 students

Elective Courses:
BUS-24   49 students
CIS-30A   49 students
CIS-30C   49 students
CIS-40C   49 students
CIS-21   49 students
CIS-27A   49 students
CIS-27B   49 students
CIS-61   49 students
CIS-64   49 students

Item 6. Place of Program in Curriculum/Similar Programs
Within the Riverside Community College district, Riverside City College offers similar Associate Degree, but many of the courses in this program are only available at Moreno Valley College. Required and elective courses in this program are actively available at Moreno Valley College and Riverside City College.

Item 7. Similar Programs at Other Colleges in Service Area

Riverside City College currently offers a similar associate degree program with emphasis in cyber defense. This program addresses IT security, which entails system administration security measures and infrastructure protection practices. The program is aligned with C-ID IT Cybersecurity Model Curriculum recommendation, which aims to provide students with an opportunity to transfer to CSUSB upon completion of this program.

Item 8. Transfer Preparation Information (if applicable)
Courses in this program are aligned to C-ID IT Cybersecurity Model Curriculum along with CSUSB Cybersecurity undergraduate coursework.

*For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk.
Revised April 2025*

5 | Page