

Technical Review Committee

Agenda
2:30 p.m. June 2, 2016
CAADO Conference Room 209

A. Agenda and Minutes Approval

B. New Courses:

	Title	Location	Action	Comment
This course will be the first business honors course and will enhance the current honors offerings:				
BUS-10H	Honors Introduction to Business	MNR		
This course will add and enhance the current honors offerings:				
ECO-9H	Honors Economics of Poverty and Discrimination	R		

C. New Stand Alone Courses: None

D. Course Inclusions:

	Title	Location	Action	Comment
This class has been in the RCC catalog but RCC does not plan to offer this course again. There is a community connection. Also, this course provides Norco College students another creative writing course:				
ENG-47	Inlandia: Regional Writing about the Inland Empire	N		

E. Distance Education: None

F. Minor Course Modifications:

	Title	Location	Action	Comment
The following course is being modified to update the course materials:				
MAG-47	Applied Business and Management Ethics	MNR		Cross-listed with BUS-47

G. Major Course Modifications:

	Title	Location	Action	Comment
The following course is being modified to update the SLOs, course content, MOI, MOE, sample assignments, and course materials:				
ADJ-6	Patrol Procedures			
The following courses are being modified to update the course description, SLOs, course content, MOI, MOE, sample assignments and course materials:				
ADJ-21	Control and Supervision in Corrections			
ADJ-22	Legal Aspects of Corrections			

	Title	Location	Action	Comment
The following course is being modified to change the course title from “Deputy Sheriff Supplemental Core Course”, to change the prerequisite from “None” to “ADJ-B1B,” to update the course description, SLOs, course content, MOI, sample assignments and course materials:				
ADJ-C2A	Adult Correctional Officer Supplemental Core Course	M		
The following course is being modified to update the SLOs, course content, MOI, MOE, sample assignments and course materials:				
AUT-40	Ford Electrical Systems - MLR (Maintenance and Light Repair)	R		
The following course is being modified to change the prerequisite to include “or completion of the electrical course work at any Ford/Lincoln Dealership,” to update the course description, SLOs, course content, MOE, MOI, and sample assignments:				
AUT-41	Ford Advanced Electronics MLR	R		
The following courses are being modified to change the prerequisite to include “or completion of the electrical course work at any Ford/Lincoln Dealership,” to update the SLOs, course content, MOE, MOI, and sample assignments:				
AUT-42	Ford Heating and Air Conditioning MLR	R		
AUT-43	Ford Automotive Brakes MLR	R		
AUT-44	Ford Alignment, Steering and Suspension MLR	R		
The following course is being modified to change the lecture hours from 72 to 63 and add 27 laboratory hours, to update the course description, SLOs, MOE, MOE, sample assignments, and course materials:				
AUT-50	Automotive Principles	R		
The following course is being modified to update the SLOs, course content, MOI, sample assignments and course materials:				
AUT-51A	Internal Combustion Engines Rebuilding, Gas and Diesel (Upper End)	R		
The following course is being modified to update the course content, sample assignments and course materials:				
AUT-51B	Internal Combustion Engines Rebuilding, Gas and Diesel (Lower End)	R		
The following course is being modified to change the prerequisite from “AUT-52A and 54 or ASE passing tests in Automotive Electrical Systems and Engine Performance or one year full time paid professional experience in the automotive engine performance tune-up area,” to “AUT-52A and AUT-54 or current ASE certification in A6 (Engine Performance) or one year full-time paid professional experience in engine performance,” to update the SLOs, course content, MOI, MOE, sample assignments and course materials:				
AUT-52B	Automotive Tune-up and Emission Controls	R		
The following courses are being modified to update the SLOs, course content, MOI, MOE, sample assignments, and course materials:				
AUT-53A	Automotive Chassis and Alignment	R		
AUT-53B	Automotive Brakes	R		
The following course is being modified to update the course content, MOI, MOE, sample assignments and course materials:				

	Title	Location	Action	Comment
AUT-54	Automotive Electrical Systems	R		
The following course is being modified to update the course description, SLOs, Moe, sample assignments and course materials:				
AUT-55A	Automotive Automatic Transmission/Transaxles	R		
The following course is being modified to update the SLOs, course content, MOI, sample assignments and course materials:				
AUT-55B	Automotive Manual Drivetrain Systems	R		
The following course is being modified to change the prerequisite from AUT-52A or ASE certification in engine performance or electrical systems” to “ AUT-52A and AUT-54 or ASE A8 certification (engine performance) and ASE A6 certification (electrical systems)” to change the lecture hours from 36 to 45 and the laboratory hours from 54 to 81, to update the SLOs, course content, MOE, sample assignments, and course materials:				
AUT-56	Automotive Computer Controls	R		
The following course is being modified to update the SLOs, course content, MOI, MOE, sample assignments, and course materials:				
AUT-57	Automotive Heating and Air Conditioning	R		
The following courses are being modified to update to advisory to add GEO-1, the course description, SLOs, sample assignments and course materials:				
GEO-30A	Geologic Field Studies of Southern California	R		
GEO-30B	Geologic Field Studies of Southern California	R		
The following courses are being modified to update to Advisory to remove GEO-1A, , the course description, SLOs, sample assignments and course materials:				
GEO-31	Regional Field Studies in Geology	R		
GEO-32	Regional Field Studies in Geology	R		

H. Course Exclusions:

	Title	Location	Action	Comment
This course is not part of any current or planned program in ENE at RCC:				
ENE-21	Drafting	R		
ENE-51	Blueprint Reading	R		
ENE 60	Math for Engineering Technology	R		

I. Course Deletions: None

J. New State Approved Degree: None

K. New Locally Approved Certificate: None

L. State/Locally Approved Certificate/Degree Modifications:

- a. Automotive Technology-Automotive Refinishing and Paint
- b. Automotive Technology- Automotive Collision Repair

- M. State Certificate/Degree Deletions: None
- N. Discussion
 - a. Style Guide

College: R X M N

TOPs Code: 0949.00

Commented [TVB1]: Indicate which college(s) this program or certificate is anticipated to be offered at.

Commented [TVB2]: Provide the suggested Taxonomy of Programs code. This code should align with the program's focus and its outcomes.

Automotive Technology – Automotive Collision Repair

This program prepares individuals to apply technical knowledge and skills to analyze, estimate, repair, replace, and reconstruct automobile frames, bodies, external components and features. This includes instruction in structure analysis, damage repair, non-structural analysis, structural, mechanical and electrical components, plastics and adhesives, damage analysis, and estimating.

Program Learning Outcomes

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

- Develop entry-level skills and knowledge for employment in the automotive Collision Repair industry.
- Acquire the skills and knowledge to work safely in the lab/shop environment.
- Demonstrate the ability to become part of the Inter-Industry Conference on Auto Collision Repair (I-CAR).

<u>Required Courses</u> (20 units)		<u>Units</u>
AUB-50	Introduction to Automotive Collision Repair	4
AUB-51	Automotive Non-Structural Collision Repair and Estimating	4
AUB-54	Automotive Structural Collision Repair and Frame	4
AUB-56	Automotive Technology for the Automotive Collision Specialist	4

Commented [TVB3]: Please list the required courses that students must take. List the course number, course title from the catalog, and the number of units.

If a course is cross-listed, both courses must be reflected.

Please refer to the catalog for examples of programs or certificates, and how they are formatted.

<u>Electives</u> (4 units)		<u>Units</u>
AUB-53	Automotive Collision Repair Special Projects	4
AUB-57	Antique and Classic Auto Restoration and Fabrication	4
AUB-59A	Automotive Collision Service and Repair	2
WEL-34	Metal Joining Processes	2

Commented [TVB4]: If electives are a component of the program/certificate, please list the course number, course title from the catalog, and the number of units.

If a course is cross-listed, both courses must be reflected.

Please refer to the catalog for examples of program or certificates, and how they are formatted.

College: R X M N

TOPs Code: 0949.00

Commented [TVB5]: Indicate which college(s) this program or certificate is anticipated to be offered at.

Commented [TVB6]: Provide the suggested Taxonomy of Programs code. This code should align with the program's focus and its outcomes.

Automotive Technology – Automotive Refinishing and Paint

This program prepares individuals to apply technical knowledge and skills to analyze, estimate, prepare, paint, and polish automobiles, bodies, external components and features. This includes instruction in over-coat analysis, spot-paint repair, partial paint jobs, complete paint jobs, single stage and multiple stage paint jobs, color sand and buff finish work.

Program Learning Outcomes

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

- Develop entry-level skills and knowledge for employment in the automotive Collision Repair and refinishing industry.
- Acquire the skills and knowledge to work safely in the lab/shop environment.
- Demonstrate the ability to become part of the Inter-Industry Conference on Auto Collision Repair (I-CAR).

<u>Required Courses (20 units)</u>		Units
AUB-50	Introduction to Automotive Collision Repair	4
AUB-51	Automotive Non-Structural Collision Repair and Estimating	4
AUB-52	Automotive Refinishing and Paint	4
AUB-60	Automotive Trim and Upholstery I	4
Electives	Choose 4 units from the list below	4
<u>Electives (4 units)</u>		
AUB-53	Automotive Collision Special Projects	4
AUB-55	Automotive Advanced Refinishing and Custom Paint	4
AUB-59B	Automotive Refinishing Service and Repair	2
AUB-61	Automotive Trim and Upholstery II	4

Commented [TVB7]: Please list the required courses that students must take. List the course number, course title from the catalog, and the number of units.

If a course is cross-listed, both courses must be reflected.

Please refer to the catalog for examples of programs or certificates, and how they are formatted.

Commented [TVB8]: If electives are a component of the program/certificate, please list the course number, course title from the catalog, and the number of units.

If a course is cross-listed, both courses must be reflected.

Please refer to the catalog for examples of program or certificates, and how they are formatted.

TECHNICAL REVIEW COMMITTEE MINUTES

May 19, 2016 2:30 p.m.
CAADO Building, Conference Room #209

Faculty Chair: Steven Schmidt, Tech Review Chair

Members Present:

Moreno Valley College:
Carolyn Quin..... Curriculum Committee Chair

Norco College:
Brian Johnson.....Curriculum Committee Chair

Riverside City College:
Greg Burchett.....Curriculum Committee Chair

Committee Staff:
Sylvia Thomas.....Administrator
Naomi Foley.....Administrative Support
Toni Van Buhler.....Administrative Support

Guests: Kevin Fleming, Dean of Instruction, CTE, Norco College

A. MSC Burchett/Quin approved the agenda for today’s meeting with the addition of “style guide” under discussion, and Automotive Technology-Automotive Collision Repair and Automotive technology- Automotive Refinishing and Paint under L. State/Locally Approved Certificate/Degree Modifications and the minutes with a correction to clarify that under discussion item Style Guide, the lab content is for courses without TBA.

B. New Courses: MSC Burchett/Quin forward the following to the college curriculum committees for approval or information:

	Title	Location	Action	Comment
The following course will be offered to comply with the mandate for certified Firefighter I with the Office of State Fire Marshal:				
FIT-S3B	Firefighter I Academy Skills Review and Certification	M		Will add State Chancellor’s suggested language to the prerequisite and remove the wording that makes employment a requisite.

C. New Stand Alone Courses: None

D. Course Inclusions: None

E. Distance Education: None

F. Minor Course Modifications: MSC Burchett/Quin the following course was approved with the suggested changes:

	Title	Location	Action	Comment
The following course is being modified to update the course materials:				

	Title	Location	Action	Comment
BUS-70	Introduction to Organization Development	NR		Cross-listed as MAG-70; Suggestion to remove linkages to the GESLOs, fix minor formatting
MAG-46	Contemporary Quality Systems Management	R		Suggestion to remove linkages to the GESLOs
MAG-70	Introduction to Organization Development	NR		Cross-listed as BUS-70 Suggestion to remove linkages to the GESLOs
MAG-71	Introduction to Productivity Management	R		Entry skills need to be linked to the SLOs of the advisory courses
The following course is being modified to update the MOI, sample assignments and course materials:				
NXN-81	Introduction to Critical Care Nursing	R		Remove entry skills since there isn't a prerequisite

G. Major Course Modifications: MSC Burchett/Quin forward the following to the college curriculum committees for approval or information after the suggested changes have been completed:

	Title	Location	Action	Comment
The following course is being modified to change the prerequisite to a corequisite, to update the SLOs, MOI, sample assignments and course materials:				
CON-74	Construction Estimating	N		
The following course is being modified to change the units from 1 to 2 and the lecture hours from 18 to 36, to update the course description, SLO's, course content, MOE and course materials:				
ENE-10	Introduction to Engineering	NR		Suggestion to expand as well as level the course content, MOE changed from paragraph format to bullets, and to be made more course specific, sample assignments to be more course specific.

H. Course Exclusions: None

I. Course Deletions: None

J. New State Approved Degree: None

K. New Locally Approved Certificate: None

L. State/Locally Approved Certificate/Degree Modifications: Will be put on hold until AUT60 and 61 have sample assignments.

1. Automotive Technology-Automotive Refinishing and Pain

2. Automotive Technology-Automotive Collision Repair

3. State Certificate/Degree Deletions: None

M. Discussion

N. Objective Style Guide

Steven brought a sample of the Style Guide.

- O. Meta Initiation- Decision to close down the system (from June 10- August 22) so no one can make changes or launch until verification of the veracity of the data can be determined.

Adjourned: 3:45 p.m.

Technical Review Committee

Draft Agenda
2:30 p.m. May 19, 2016
CAADO Conference Room 209

- A. Agenda and Minutes Approval
- B. New Courses:

	Title	Location	Action	Comment
The following course will be offered to comply with the mandate for certified Firefighter I with the Office of State Fire Marshal:				
FIT-S3B	Firefighter I Academy Skills Review and Certification	M		OK

- C. New Stand Alone Courses: None
- D. Course Inclusions: None
- E. Distance Education: None
- F. Minor Course Modifications:

	Title	Location	Action	Comment
The following course is being modified to update the course materials:				
BUS-70	Introduction to Organization Development	NR		Cross-listed as MAG-70
MAG-46	Contemporary Quality Systems Management	R		
MAG-70	Introduction to Organization Development	NR		Cross-listed as BUS-70
MAG-71	Introduction to Productivity Management	R		
The following course is being modified to update the MOI, sample assignments and course materials:				
NXN-81	Introduction to Critical Care Nursing	R		

- G. Major Course Modifications:

	Title	Location	Action	Comment
The following course is being modified to update the SLOs, MOI, sample assignments and course materials:				
CON-74	Construction Estimating	N		
The following course is being modified to change the units from 1 to 2 and the lecture hours from 18 to 36, to update the course description, SLO's, course content, MOE and course materials:				
ENE-10	Introduction to Engineering	NR		

- H. Course Exclusions: None
- I. Course Deletions: None

- J. New State Approved Degree: None
- K. New Locally Approved Certificate: None
- L. State/Locally Approved Certificate/Degree Modifications: None
- M. State Certificate/Degree Deletions: None
- N. Discussion

TECHNICAL REVIEW COMMITTEE MINUTES

May 05, 2016 2:30 p.m.

CAADO Building, Conference Room #209

Faculty Chair: Steven Schmidt, Tech Review Chair

Members Present:

Moreno Valley College:

Carolyn Quin..... Curriculum Committee Chair

Norco College:

Brian Johnson..... Curriculum Committee Chair

Riverside City College:

Greg Burchett..... Curriculum Committee Chair

Committee Staff:

Naomi Foley..... Administrative Support

Lorena Franco Administrative Support

Guests: Kevin Fleming, Dean of CTE, Norco College

Kristy Paine, Assistant Professor, Administration of Justice/Law Enforcement, Moreno Valley College

- A. MSC Burchett/Quin approved the agenda for today’s meeting with the addition of “style guide” under discussion, ADT Theater Arts and ADT Communications under State/Locally Approved Certificate/Degree Modifications, and the correction of NXN-78(73) and the minutes from the April 21, 2016 meeting.
- B. New Courses: None
- C. New Stand Alone Courses: None
- D. Course Inclusions: MSC Burchett/Quin forward the following to the college curriculum committees for approval or information:

	Title	Location	Action	Comment
Moreno Valley College would like to expand their current administration of justice offerings:				
ADJ-6	Patrol Procedures	M		
ADJ-21	Control and Supervision in Corrections	M		
ADJ-22	Legal Aspects of Corrections	M		
This course is required in the Computer Applications degree/certificate:				
CIS-95A	Introduction to the Internet	M		
The following courses are needed to prepare students for transfer and will be part of a new Music ADT:				

	Title	Location	Action	Comment
MUS-6	Music Theory III	N		
MUS-41	Chamber Singers	N		
MUS-79	Applied Music II	N		

E. Distance Education: None

F. Minor Course Modifications: MSC Burchett/Quin the following course was approved with the recommendation that a major modification be launched within a short time period:

	Title	Location	Action	Comment
The following is being modified to update the MOI, MOE, sample assignments and course materials:				
ENE-35	Statics	NR		Remove commas

G. Major Course Modifications: MSC Burchett/Quin forward the following to the college curriculum committees for approval or information after the suggested changes have been completed:

	Title	Location	Action	Comment
The following course is being modified to update the SLOs, MOI, sample assignments and course materials:				
ACC-66	Non-Profit and Governmental Accounting	NR		
The following course is being modified to update the SLO's, course content, MOI, MOE, sample assignments and course materials:				
GUI-48A	College Success Strategies-Study Skills	MR		Change "MVC" to "college", 2 SLO's removed at the request of T. Hawthorne
The following course is being modified to update the course description, SLOs, course content, MOI, MOE, sample assignments and course materials:				
NRN-6	Nursing Learning Laboratory	R		
NRN-7	Nursing Learning Laboratory	R		
NRN-8	Nursing Learning Laboratory	R		
NRN-93	Calculations for Healthcare Providers	R		
NXN-78	Pharmacology In Clinical Nursing Practice	R		
NXN-84	Preparing for Success in Nursing School	R		Remove attendance statement in MOE

H. Course Exclusions: None

I. Course Deletions: None

J. New State Approved Degree: None

K. New Locally Approved Certificate: None

L. State/Locally Approved Certificate/Degree Modifications:

a. Theater Arts for Transfer (R)

b. Communication Studies for Transfer (R)

M. State Certificate/Degree Deletions: None

N. Discussion

a. Objective Style Guide

Steven discussed the style guide and after meeting with Kelly Douglass they feel one of the first hurdles to address is the stem under each title because it dictates the punctuation; will need to work with CurricUNET/Meta to have them modify the current template. They are working on the language on the stems including fragments; will present to the committee once their draft is completed. Discussed the possibility of using course number instead of “this course”. Moreno Valley College was receptive to the proposal and Norco College recommended that objectives and outcomes be separate fields. Riverside City College expressed concern with the COR having empty fields. Kelly Douglass inquired about adding **TBA** content in the COR and Steven informed her it was not mandatory but is recommended.

Adjourned: 3:45 p.m.

Technical Review Committee

Draft Agenda
2:30 p.m. May 5, 2016
CAADO Conference Room 209

- A. Agenda and Minutes Approval
- B. New Courses: None
- C. New Stand Alone Courses: None
- D. Course Inclusions:

	Title	Location	Action	Comment
Moreno Valley College would like to expand their current administration of justice offerings:				
ADJ-6	Patrol Procedures	M		
ADJ-21	Control and Supervision in Corrections	M		
ADJ-22	Legal Aspects of Corrections	M		
This course is required in the Computer Applications degree/certificate:				
CIS-95A	Introduction to the Internet	M		
The following courses are needed to prepare students for transfer and will be part of a new Music ADT:				
MUS-6	Music Theory III	N		
MUS-41	Chamber Singers	N		
MUS-79	Applied Music II	N		

- E. Distance Education: None
- F. Minor Course Modifications:

	Title	Location	Action	Comment
The following is being modified to update the MOI, MOE, sample assignments and course materials:				
ENE-35	Statics	NR		

- G. Major Course Modifications:

	Title	Location	Action	Comment
The following course is being modified to update the SLOs, MOI, sample assignments and course materials:				
ACC-66	Non-Profit and Governmental Accounting	NR		Course content needs to be reviewed/question format
The following course is being modified to update the SLO's, course content, MOI, MOE, sample assignments and course materials:				
GUI-48A	College Success Strategies-Study Skills	MR		

The following course is being modified to update the course description, SLOs, course content, MOI, MOE, sample assignments and course materials:

NRN-6	Nursing Learning Laboratory	R		
NRN-7	Nursing Learning Laboratory	R		
NRN-8	Nursing Learning Laboratory	R		
NRN-93	Calculations for Healthcare Providers	R		
NXN-73	Pharmacology In Clinical Nursing Practice	R		
NXN-84	Preparing for Success in Nursing School	R		

H. Course Exclusions: None

I. Course Deletions: None

J. New State Approved Degree: None

K. New Locally Approved Certificate: None

L. State/Locally Approved Certificate/Degree Modifications: None

M. State Certificate/Degree Deletions: None

N. Discussion

TECHNICAL REVIEW COMMITTEE MINUTES

April 21, 2:30 p.m.

CAADO Building, Conference Room #209

Faculty Chair: Steven Schmidt, Tech Review Chair

Members Present:

Moreno Valley College:

Carolyn Quin..... Curriculum Committee Chair

Norco College:

Brian Johnson..... Curriculum Committee Chair

Riverside City College:

Greg Burchett..... Curriculum Committee Chair

Committee Staff:

Naomi Foley..... Administrative Support

Lorena Franco Administrative Support

Guests: Kelly Douglass, Associate Professor, English, Riverside City College

A. MSC Quin/Burchett approved the agenda for today’s meeting and the minutes from the April 7, 2016.

B. New Courses: MSC Burchett/Johnson forward the following to the college curriculum committees for approval or information:

	Title	Location	Action	Comment
The following course will be offered to allow EMTs to maintain their certification:				
EMS-40	Emergency Medical Technician Continuing Education	M		

C. New Stand Alone Courses : None

D. Course Inclusion: None

E. Distance Education: None

F. Minor Course Modifications: None

G. Major Modifications: MSC Burchett/Johnson forward the following to the college curriculum committees for approval or information after the suggested changes have been completed:

	Title	Location	Action	Comment
The following courses are being modified to update the SLOs, MOI, sample assignments and course materials:				
ACC-61	Cost Accounting	NR		
The following course is being modified to update the course description, SLO’s, course content, MOI, MOE, sample assignments and course materials:				
ADJ-15	Narcotics	MR		

The following courses are being modified to change the hours from 30 to 27 lecture and 10 to 13 laboratory and to update the course description, SLOs, MOI, MOE, sample assignments and course materials:

ADJ-P4A	PC 832 Arrest, Search, Seizure	M		Add edition to course materials
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The following course has been put on hold pending changes:

ACC-66	Non-Profit and Governmental Accounting	NR		Course has been put on hold: Course content needs to be reviewed/question format
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- H. Course Exclusions: None
- I. Course Deletions: None
- J. New State Approved Degree: None
- K. New Locally Approved Certificate: None
- L. State/Locally Approved Certificate/Degree Modifications: None
- M. State Certificate/Degree Deletions: None
- N. Discussion
 - a. Kelly Douglass made a presentation on adding course objective in the course outline of record. She provided samples and will put together a proposal go forward to the April 26, 2016 College Curriculum agendas.

Technical Review Committee

Draft Agenda
2:30 p.m. April 21, 2016
CAADO Conference Room 209

- A. Agenda and Minutes Approval
- B. New Courses:

	Title	Location	Action	Comment
The following course will be offered to allow EMT's to maintain their certification:				
EMS-40	Emergency Medical Technician Continuing Education	M		

- C. New Stand Alone Courses: None
- D. Course Inclusions: None
- E. Distance Education: None
- F. Minor Course Modifications: None
- G. Major Course Modifications:

	Title	Location	Action	Comment
The following courses are being modified to update the SLOs, MOI, sample assignments and course materials:				
ACC-61	Cost Accounting	NR		Course content needs to be reviewed/question format
ACC-66	Non-Profit and Governmental Accounting	NR		Course content needs to be reviewed/question format
The following courses are being modified to update the course description, SLO's, course content, MOI, MOE, sample assignments and course materials:				
ADJ-15	Narcotics	MR		
ADJ-P4A	PC 832 Arrest, Search, Seizure	M		

- H. Course Exclusions: None
- I. Course Deletions: None
- J. New State Approved Degree: None
- K. New Locally Approved Certificate: None
- L. State/Locally Approved Certificate/Degree Modifications: None
- M. State Certificate/Degree Deletions: None
- N. Discussion
 - a. Course objectives in the course outline of record- Kelly Douglass

TECHNICAL REVIEW COMMITTEE MINUTES

April 7, 2:30 p.m.

CAADO Building, Conference Room #209

Faculty Chair: Steven Schmidt, Tech Review Chair

Members Present:

Moreno Valley College:

Carolyn Quin..... Curriculum Committee Chair

Norco College:

Brian Johnson..... Curriculum Committee Chair

Riverside City College:

Greg Burchett..... Curriculum Committee Chair

Committee Staff:

Naomi Foley..... Administrative Support

Lorena Franco Administrative Support

Guests: Marc Wolpoff, Associate Professor, Psychology, Riverside City College via phone

Carol Farrar, Dean of Instruction, Norco College

- A. MSC Burchett/Johnson approved the agenda for today’s meeting and the minutes from the April 7, 2016 with 1 abstention.
- B. New Courses: MSC Burchett/Johnson forward the following to the college curriculum committees for approval or information after changes have been completed:

	Title	Location	Action	Comment
The following course will enhance the current honors offerings:				
ANT-2H	Honors Cultural Anthropology	MNR		Move bolded content to above numeral 5 and to add the word “reading” to the out of class assignment
This course is required for the Psychology AA-T and recommended for Sociology AA-T and is designed to align with the CID descriptor SOC-125:				
PSY-48	Statistics for the Behavioral Sciences	MNR	Vote 2 yes and 1 no and 1 abstention	Concern was raised that this course has the same content as MAT-12 and might trigger repeatability issues and that it will be taught by PSY and SOC faculty. Also concerns regarding using this course for math competency. Proposal will be forwarded so the colleges can discuss.

	Title	Location	Action	Comment
This course is required for the Psychology AA-T and recommended for Sociology AA-T and is designed to align with the CID descriptor SOC-125:				
SOC-48	Statistics for the Behavioral Sciences	MNR	Vote 2 aye and 1 nay and 1 abstention	

C. New Stand Alone Courses : None

D. Course Inclusion: None

E. Distance Education:

F. Minor Course Modifications:

G. Major Modifications: MSC Burchett/Johnson forward the following to the college curriculum committees for approval or information after the suggested changes have been completed:

	Title	Location	Action	Comment
The following course is being modified to change the hours from 17 lecture hours and 32 laboratory hours to 54 laboratory hours, to update the course description, SLOs, course content, MOI, MOE, sample assignments and course materials:				
MUS-37	Class Guitar	MNR		
The following courses are being modified to update the SLO's, course content and course materials:				
PSY-2	Biological Psychology	MNR		
PSY-35	Abnormal Psychology	MNR		

The following proposals have been tabled; changes have not been completed.

The following courses are being modified to update the SLOs, MOI, sample assignments and course materials:				
ACC-61	Cost Accounting	NR		Edits were made but
ACC-66	Non-Profit and Governmental Accounting	NR		Edits were made but the use of question marks in the content

H. Course Exclusions: MSC Burchett/Johnson forward the following to the college curriculum committees for approval or information:

	Title	Location	Action	Comment
The following courses have never been offered at Norco College and there are no plans to offer them in the future:				

REA-2	Rapid Reading	N		
REA-3	Reading for Academic Success	N		
The following course has never been offered at Norco College and there is presently no lab on campus:				
REA-887	Reading Clinic	N		

I. Course Deletions: MSC Burchett/Johnson forward the following to the college curriculum committees for approval or information:

	Title	Location	Action	Comment
This course has been contracted out by the Sheriff Dept. and there are no plans to offer it in the future:				
ADJ-A6A	Interview and Interrogation Course	M		
ADJ-A6B	Advanced Interview and Interrogation Course	M		
This course is outdated (technology change) and the discipline does not intend to offer it in the future:				
ADJ-A43A	Basic Computer Aided Collision Diagramming Using AutoSketch	M		
The following course has not been offered and there are no plans to offer it in the future:				
FIT-C2B	Command 2B, Management of Major Hazardous Materials Incidents	M		

O. New State Approved Degree: None

P. New Locally Approved Certificate: None

Q. State/Locally Approved Certificate/Degree Modifications:

a. Audio Production (N)

b. Performance (N)

R. State Certificate/Degree Deletions: None

S. Discussion

Program Outline of Record
Degree/Certificate Modification

MUSIC INDUSTRY STUDIES

AUDIO PRODUCTION (N)NAS684/NAS684B/NAS684C/NCE684

The Audio Production program is designed to provide students with the knowledge and skills necessary for an entry-level job in the ~~video games industry or~~ recording industry. Students will gain foundational skills in ~~both~~ the creative and technical side of ~~game and~~ multimedia audio design ~~as well as an overview of the game industry~~. Courses cover fundamental skills in music, computer programming, recording, ~~game development~~ and sound design. Upon program completion, students will be prepared to enter the field as a sound designer, audio director, folio artist, audio programmer or producer. Classes are taught in state-of-the-art facilities with the latest versions of industry-standard software packages.

Certificate Program

Program Learning Outcomes

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

- Understand the basic elements of game development and design including group working processes, game strategy, theory and gameplay.
- Diagram and describe the major elements of video games from its beginning through the present.
- Create multi-track MIDI and audio recordings utilizing basic and advanced editing techniques in Pro Tools.
- Create an industry-standard portfolio containing audio samples from class projects.
- Demonstrate professional communication skills effectively with colleagues in an industry production project.

Required Courses (28 units) Units

COM-9	Interpersonal Communication	3
MIS-3	Digital Audio Production 1	4
MIS-4	Digital Audio Production 2	4
MUS-65	Basic Musicianship	2

~~In addition, choose and complete courses from one emphasis below: 12-15~~

~~Game Audio Emphasis (12 units)~~

GAM-35	Introduction to Simulation and Game Development	3
GAM/CIS-44	Portfolio Productions	2
GAM-50	Introduction to Game Programming	3
GAM-79D	Studio Game Production: Audio	4
MUC-5	Sound Design I	3
MUC-8	Composing Music for Video Games	3

~~Recording Emphasis (15 units)~~

MIS-1A	Beginning Performance Techniques for Studio Recording	2
MIS-1B	Intermediate Performance Techniques for Studio Recording	2
MIS-1C	Advanced Performance Techniques for Studio Recording	2
MIS-12	Live Sound Reinforcement	3
MIS-13	Recording Studio Workshop I	3
MUS-93	The Business of Music	3

Associate of Science Degree

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

PERFORMANCE (N)NAA645/NAA645B/NAA645C/NCE645

The *Commercial Music: Performance* certificate is a program designed to provide students with the knowledge and skills necessary for studio recording and live performance in the commercial music industry. Courses allow students to become proficient on an instrument or voice, gain experience as an ensemble member, study the fundamentals of music including sight-reading and piano skills, become familiar with music technology and record in a state-of-the-art recording studio. Classes are taught utilizing industry-standard software and equipment in state-of-the-art facilities. The program prepares students for a wide variety of careers as instrumentalists and vocalists in studio or live performance settings.

Certificate Program

Program Learning Outcomes

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

- Understand and employ fundamentals of music and musicianship such as melody, harmony, chord structure, rhythm, key signatures, phrasing, sight-singing and scalar patterns.
- Identify and discuss the origins of commercial music and explain how it relates to society today.
- Create and manipulate vocal or instrumental technique in a studio and live performance setting such as fingerings, dynamics, diction, breathing, rhythm, phrasing and vowel or finger placement.
- Memorize and recall standard commercial music literature in a live ensemble performance.

Required Courses (34-36 units)	Units
MIS-1A Beginning Performance Techniques for Studio Recording	2
MIS-1B Intermediate Performance Techniques for Studio Recording	2
MIS-1C Advanced Performance Techniques for Studio Recording	2
MIS-7 Introduction to Music Technology	3
MUS-3 Fundamentals of Music	4
MUS-32A Class Piano I	1
MUS-38 Beginning Applied Music Training (take 4 times/2 units)	8
MUS-65 Basic Musicianship	2
Electives (choose from the lists below)	10-12

Select 6-8 units from the following:

MIS-3 Digital Audio Production I	4
MUS-4 Music Theory I	4
MUS-5 Music Theory II	4
MUS-19 Music Appreciation	3
MUS-23 History of Rock and Roll	3
MUS-93 The Business of Music	3

Select 4 units from the following:

MIS-10A Norco Choir I	2
MIS-10B Norco Choir II	2
MIS-11A Studio Arts Ensemble I	2
MIS-11B Studio Arts Ensemble II	2

Associate of Arts Degree

The Associate of Arts Degree in Commercial Music: Performance will be awarded upon completion of the degree requirements, including general education and other graduation requirements as described in the college catalog.

Technical Review Committee

Draft Agenda
2:30 p.m. April 7, 2016
CAADO Conference Room 209

- A. Agenda and Minutes Approval
- B. New Courses:

	Title	Location	Action	Comment
The following course will enhance the current honors offerings:				
ANT-2H	Honors Cultural Anthropology	MNR		
This course is required for the Psychology AA-T and recommended for Sociology AA-T and is designed to align with the CID descriptor SOC-125:				
PSY-48	Statistics for the Behavioral Sciences	MNR		Says it is a prerequisite course for PSY-50/Cross-listed with SOC-48
This course is required for the Psychology AA-T and recommended for Sociology AA-T and is designed to align with the CID descriptor SOC-125:				
SOC-48	Statistics for the Behavioral Sciences	MNR		Says it is a prerequisite course for PSY-50/Cross-listed with PSY-48

- C. New Stand Alone Courses: None
- D. Course Inclusions: None
- E. Distance Education: None
- F. Minor Course Modifications: None
- G. Major Course Modifications:

	Title	Location	Action	Comment
The following courses are being modified to update the SLOs, MOI, sample assignments and course materials:				
ACC-61	Cost Accounting	NR		
ACC-66	Non-Profit and Governmental Accounting	NR		
The following course is being modified to change the hours from 17 lecture hours and 32 laboratory hours to 54 laboratory hours, to update the course description, SLOs, course content, MOI, MOE, sample assignments and course materials:				
MUS-37	Class Guitar	MNR		
The following courses are being modified to update the SLO's, course content and course materials:				
PSY-2	Biological Psychology	MNR		
PSY-35	Abnormal Psychology	MNR		

- H. Course Exclusions:

	Title	Location	Action	Comment
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The following courses have never been offered at Norco College and there are no plans to offer them in the future:				
REA-2	Rapid Reading	N		
REA-3	Reading for Academic Success	N		
The following course has never been offered at Norco College and there is presently no lab on campus:				
REA-887	Reading Clinic	N		

I. Course Deletions:

	Title	Location	Action	Comment
This course has been contracted out by the Sheriff Dept. and there are no plans to offer it in the future:				
ADJ-A6A	Interview and Interrogation Course	M		
ADJ-A6B	Advanced Interview and Interrogation Course	M		
This course is outdated (technology change) and the discipline does not intend to offer it in the future:				
ADJ-A43A	Basic Computer Aided Collision Diagramming Using AutoSketch	M		
The following course has not been offered and there are no plans to offer it in the future:				
FIT-C2B	Command 2B, Management of Major Hazardous Materials Incidents	M		

J. New State Approved Degree: None

K. New Locally Approved Certificate: None

L. State/Locally Approved Certificate/Degree Modifications:

a. Audio Production (N)

b. Performance (N)

M. State Certificate/Degree Deletions: None

N. Discussion

Program Outline of Record
Degree/Certificate Modification

MUSIC INDUSTRY STUDIES

AUDIO PRODUCTION (N)NAS684/NAS684B/NAS684C/NCE684

The Audio Production program is designed to provide students with the knowledge and skills necessary for an entry-level job in the ~~video games industry or~~ recording industry. Students will gain foundational skills in ~~both~~ the creative and technical side of ~~game and~~ multimedia audio design ~~as well as an overview of the game industry~~. Courses cover fundamental skills in music, computer programming, recording, ~~game development~~ and sound design. Upon program completion, students will be prepared to enter the field as a sound designer, audio director, folio artist, audio programmer or producer. Classes are taught in state-of-the-art facilities with the latest versions of industry-standard software packages.

Certificate Program

Program Learning Outcomes

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

- Understand the basic elements of game development and design including group working processes, game strategy, theory and gameplay.
- Diagram and describe the major elements of video games from its beginning through the present.
- Create multi-track MIDI and audio recordings utilizing basic and advanced editing techniques in Pro Tools.
- Create an industry-standard portfolio containing audio samples from class projects.
- Demonstrate professional communication skills effectively with colleagues in an industry production project.

Required Courses (28 units) Units

COM-9	Interpersonal Communication	3
MIS-3	Digital Audio Production 1	4
MIS-4	Digital Audio Production 2	4
MUS-65	Basic Musicianship	2

~~In addition, choose and complete courses from one emphasis below: 12-15~~

~~Game Audio Emphasis (12 units)~~

GAM-35	Introduction to Simulation and Game Development	3
GAM/CIS-44	Portfolio Productions	2
GAM-50	Introduction to Game Programming	3
GAM-79D	Studio Game Production: Audio	4
MUC-5	Sound Design I	3
MUC-8	Composing Music for Video Games	3

~~Recording Emphasis (15 units)~~

MIS-1A	Beginning Performance Techniques for Studio Recording	2
MIS-1B	Intermediate Performance Techniques for Studio Recording	2
MIS-1C	Advanced Performance Techniques for Studio Recording	2
MIS-12	Live Sound Reinforcement	3
MIS-13	Recording Studio Workshop I	3
MUS-93	The Business of Music	3

Associate of Science Degree

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

PERFORMANCE (N)NAA645/NAA645B/NAA645C/NCE645

The *Commercial Music: Performance* certificate is a program designed to provide students with the knowledge and skills necessary for studio recording and live performance in the commercial music industry. Courses allow students to become proficient on an instrument or voice, gain experience as an ensemble member, study the fundamentals of music including sight-reading and piano skills, become familiar with music technology and record in a state-of-the-art recording studio. Classes are taught utilizing industry-standard software and equipment in state-of-the-art facilities. The program prepares students for a wide variety of careers as instrumentalists and vocalists in studio or live performance settings.

Certificate Program

Program Learning Outcomes

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

- Understand and employ fundamentals of music and musicianship such as melody, harmony, chord structure, rhythm, key signatures, phrasing, sight-singing and scalar patterns.
- Identify and discuss the origins of commercial music and explain how it relates to society today.
- Create and manipulate vocal or instrumental technique in a studio and live performance setting such as fingerings, dynamics, diction, breathing, rhythm, phrasing and vowel or finger placement.
- Memorize and recall standard commercial music literature in a live ensemble performance.

Required Courses (34-36 units)	Units
MIS-1A Beginning Performance Techniques for Studio Recording	2
MIS-1B Intermediate Performance Techniques for Studio Recording	2
MIS-1C Advanced Performance Techniques for Studio Recording	2
MIS-7 Introduction to Music Technology	3
MUS-3 Fundamentals of Music	4
MUS-32A Class Piano I	1
MUS-38 Beginning Applied Music Training (take 4 times/2 units)	8
MUS-65 Basic Musicianship	2
Electives (choose from the lists below)	10-12

Select 6-8 units from the following:

MIS-3 Digital Audio Production I	4
MUS-4 Music Theory I	4
MUS-5 Music Theory II	4
MUS-19 Music Appreciation	3
MUS-23 History of Rock and Roll	3
MUS-93 The Business of Music	3

Select 4 units from the following:

MIS-10A Norco Choir I	2
MIS-10B Norco Choir II	2
MIS-11A Studio Arts Ensemble I	2
MIS-11B Studio Arts Ensemble II	2

Associate of Arts Degree

The Associate of Arts Degree in Commercial Music: Performance will be awarded upon completion of the degree requirements, including general education and other graduation requirements as described in the college catalog.

TECHNICAL REVIEW COMMITTEE MINUTES

March 17, 2:30 p.m.

CAADO Building, Conference Room #209

Faculty Chair: Steven Schmidt, Tech Review Chair

Members Present:

Norco College:

Brian Johnson..... Curriculum Committee Chair

Riverside City College

Greg Burchett..... Curriculum Committee Chair

Committee Staff:

Sylvia Thomas..... Administrator

Naomi Foley..... Administrative Support

Lorena Franco Administrative Support

Guests: Ronald Pardee, Distinguished Professor, Management, Riverside City

Laneshia Judon, Associate Professor, Business Administration, Riverside City College

Kristy Paine, Assistant Professor, Administration of Justice, Moreno Valley College

Kevin Fleming, Dean of Instruction and CTE, Norco College

Absent: Carolyn Quin, Curriculum Committee Chair

- A. MSC Burchett/Johnson approved the agenda for today’s meeting with the addition of certificate/degree modifications for Computerized Numerical Control Operator, Drafting Technology and Supply Chain Technology and the minutes from the March 3, 2016.
- B. New Stand Alone Courses: MSC Burchett/Johnson forward the following to the college curriculum committees for approval or information after changes have been completed:

	Title	Location	Action	Comment
This course offers students an accelerated pathway to meeting the reading competency graduation requirement:				
REA-90	Accelerated College Reading	MNR		Non-degree credit; approved with no prerequisite

The following proposals have been tabled:

This course will introduce students to reading fiction in a casual environment:				
REA-95A	The Book Club	MNR		Non-degree credit
REA-95B	The Book Club	MNR		
REA-95C	The Book Club	MNR		
REA-95D	The Book Club	MNR		

C. New Courses (not stand alone): None

D. Course Inclusion: MSC Burchett/Johnson The following was approved:

	Title	Location	Action	Comment
The following courses will expand the course offerings for the MVC Administration of Justice program:				
ADJ-8	Juvenile Law and Procedures	M		
ADJ-12	Introduction to Criminalistics	M		
ADJ-13	Criminal Investigation	M		Course is already in MVC inventory
ADJ-20	Introduction to Corrections	M		

E. Distance Education: MSC Burchett/Johnson forward the following to the college curriculum committees for approval or information after the suggested changes have been completed:

	Title	Location	Action	Comment
BUS-15	Street Law: An Introduction to Law and Legal Issues	R		Hybrid; Needs clear instructor initiated contact and feedback; contact types
MAG-73	Quality Inspection and Test	R		Hybrid and Online
MAG-74	Statistical Process Control	R		Hybrid and Online
MAG-75	Quality Auditing	R		Hybrid and Online
MAG-77	Problem Solving and Improvement	R		Hybrid and Online

F. Minor Course Modifications: MSC Burchett/Johnson The following were approved:

	Title	Location	Action	Comment
Course is being modified to update the course materials:				
MAG-53	Human Relations	NR		
MAG-60	Introduction to Hospitality Management	R		

G. Major Modifications: MSC Burchett/Johnson forward the following to the college curriculum committees for approval or information after the suggested changes have been completed:

	Title	Location	Action	Comment
The following course is being modified to update the course description, SLOs, course content to be C-ID compliant:				
ADJ-12	Introduction to Criminalistics	MR		Suggestion to add one more GESLO's, update textbook
The following courses are being modified to change the title from "Experimental Drawing," to update course description, SLO's, course content, MOI, MOE, sample assignments and course materials:				
ART-19	Experimental Methods and Materials	NR		
The following courses are being modified to change the title from "Design and Color," to update course description, SLO's, course content, MOI, MOE, sample assignments and course materials:				
ART-23	Color Theory and Design	MNR		
The following course is being modified to change the units from 2 to 3 and to change lecture hours from 36 to 54:				
BUS-14	Social Media and Online Marketing for Entrepreneurs	R		
The following course is being modified to change the laboratory hours from 12 to 8 hours, to update the course description and SLOs:				
FIT-E3D	Emergency Medical Technician Continuing Education	M		
The following course is being modified to update the corequisite, course description and entry skills:				
FTV-51A	Film, Television and Video Laboratory I	R		
The following courses are being modified to update the course description, SLOs, course content, MOI, MOE, sample assignments, and course materials:				
MUS-8A	Music Technology I	R		
MUS-8B	Music Technology II	R		
The following courses are being modified to update the SLOs, course content, MOI, MOE, sample assignments, and course materials:				
MUS-9	MIDI/Digital Audio Composition and Film Scoring	R		
MUS-10	MIDI/Digital Audio Music Production	R		
The following course is being modified to update the course description, SLOs, course content, MOI, MOE, sample assignments and course materials:				
RLE-80	Real Estate Principals	MNR		
The following course is being modified to update the links to the GESLOs and course materials:				
SOC-1H	Honors Introduction to Sociology	NR		
The following course is being modified to update the links to the GESLOs, course content, MOI, MOE, and course materials:				
SOC-15	Women in American Society	NR		Suggestion to word SLO's with standard taxonomy: "demonstrate"

The following proposals have been tabled; changes have not been completed.

The following courses are being modified to update the SLOs, MOI, sample assignments and course materials:				
ACC-61	Cost Accounting	NR		Course description needs rewording, course content should have more levels
ACC-66	Non-Profit and Governmental Accounting	NR		Needs advisory skill and linkage to BUS-20, content should have more levels

H. Course Exclusions: MSC Burchett/Johnson forward the following to the college curriculum committees for approval or information:

	Title	Location	Action	Comment
The following course has never been offered at MVC:				
PHO-12	Photojournalism	M		

I. Course Deletions: MSC Burchett/Johnson forward the following to the college curriculum committees for approval or information:

	Title	Location	Action	Comment
The following courses have not been offered in years or have never been offered:				
ADJ-A33A	Public Safety Seminar	M		
ADJ-A33B	Public Safety Seminar	M		
ADJ-A33C	Public Safety Seminar	M		
ADJ-A33E	Public Safety Seminar	M		
ADJ-A36A	Inland Boating Enforcement	M		
ADJ-A37A	Latent Fingerprint Retrieval	M		
ADJ-A45A	Digital Photography for Law Enforcement	M		
ADJ-A50A	Rave and Rave Drugs	M		
ADJ-A57A	Casino-Related Crime Investigation	M		
ADJ-C3B	Advanced Corrections Perishable Skills Training	M		
ADJ-C3C	Advanced Corrections Training	M		
ADJ-C4A	Advanced Corrections Training for Supervisors	M		

ADJ-C5A	Basic Writing Skills for Corrections	M		
ADJ-C6A	Corrections Training Officer	M		
ADJ-C7A	Writing Skills for Correctional Deputy (Advanced)	M		
ADJ-C12A	First Aid/CPR Instructor Course	M		
ADJ-C13A	Stun-Tech R.E.A.C.T. Belt Training	M		
ADJ-C18A	Basic Inmate Classification	M		
ADJ-C19	Corrections Mental Health	M		
ADJ-C20A	Leadership Enhancement	M		
ADJ-C21A	Corrections Training Officer Update	M		
ADJ-R5A	Straight Stick Baton Update for Reserves	M		
ADJ-R6A	Oleoresin Capsicum for Reserves	M		
ADJ-T5A	Techniques of Accident Investigation Training	M		
ADJ-T15A	Cardiopulmonary Resuscitation Refresher Course	M		
ADJ-T17A	Communications Supervisors Training	M		
ADJ-T18A	Spanish Language for Public Safety Officers	M		
ADJ-T26A	Civil Disturbance Training (CHP)	M		
ADJ-T31A	Motor Vehicle Inspections- Basic	M		
ADJ-T35A	Speed Determination from Crush Analysis	M		
ADJ-T36A	Reconstruction of Automobile Collisions- Involving Pedestrians, or Bikes	M		
ADJ-T42A	Safety Services Program Update	M		
ADJ-T44A	Workplace Violence Prevention Instructor Training	M		
ADJ-T46A	EEO Counselor/Investigator Recertification	M		
ADJ-T47A	Enhanced Officer Safety Training	M		
ADJ-T53A	Preliminary Alcohol Screening PAS Device Coordinator	M		
ADJ-T61A	Communications Training Specialist	M		
ADJ-T65A	National Highway Traffic Safety Administration NHTSA C Standardized Child Safety Training	M		
ADJ-T70A	CHP-Explorer Academy Level III	M		

ADJ-T72A	Radioactive Materials Response and Enforcement Training	M		
ADJ-T73A	General Hazardous Materials Inspection and Compliance Training Course	M		
ADJ-T75A	SMPV Commercial Enforcement Training	M		
ADJ-W3A	Domestic Terrorism. Threats, and Sabotage	M		
ADJ-Y1B	Explorer Academy-Advanced	M		
ADJ-Y5A	Public Safety High School Internship Academy Part 1	M		
ADJ-Y5B	Public Safety High School Internship Academy Part 2	M		
CIS-43	Survey of Media Art for Game Design/Animation	N		
GAM-45	Materials and Lighting	N		

- J. New State Approved Degree: None
- K. New Locally Approved Certificate: None
- L. State/Locally Approved Certificate/Degree Modifications: MSC Burchett/Johnson forward the following to the college curriculum committees for approval or information
 - a. Relational Database Management Technology (R)
 - b. Computerized Numerical Control Operator Programming
 - c. Supply Chain Technology (N)
- M. State Certificate/Degree Deletions: None
- N. Discussion

Program Outline of Record Degree/Certificate Modification

RELATIONAL DATABASE MANAGEMENT TECHNOLOGY (R)

CE816

Provides the skills necessary to present a view of data as a collection of rows and columns and manage these relational databases based on a variety of data models.

Certificate Program

Program Learning Outcomes

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

- Present the data to the user as a set of relations.
- Provide relational operators to manipulate the data in tabular form.
- Use a modeling language to define the schema of each database hosted in the DBMS, according to the DBMS data model.
- Optimize data structures (fields, records, files and objects) to deal with very large amounts of data stored on a permanent data storage device.
- Create a database query language and report writer to allow users to interactively interrogate the database, analyze its data and update it according to the users privileges on data.
- Develop a transaction mechanism that would guarantee the ACID properties, in order to ensure data integrity, despite concurrent user accesses and faults.

Required Courses (12 units)	Units
CIS/CSC-28A MS Access Programming	3
CIS/CSC-61 Introduction to Database Theory	3
CIS/CSC-62 Microsoft Access DBMS: Comprehensive	3
CIS/CSC-63 Introduction to Structured Query Language (SQL)	3
CIS/CAT 91 Microsoft Project	3

Program Outline of Record
Degree/Certificate Modification

Computer Numerical Control Programming NAS655/NCE655

College: Norco

This program prepares individuals for an entry level career in computer numerical control programming. Computer control programmers and operators use computer numerically controlled (CNC) machines to cut and shape precision products, such as automobile, aviation, and machine parts. CNC machines operate by reading the code included in a computer-controlled module, which drives the machine tool and performs the functions of forming and shaping a part formerly done by machine operators. CNC machines include machining tools such as lathes, multi-axis spindles, milling machines, laser cutting machines, and wire electrical discharge machines. CNC machines cut away material from a solid block of metal or plastic—known as a workpiece—to form a finished part. Computer control programmers and operators normally produce large quantities of one part, although they may produce small batches or one-of-a-kind items. They use their knowledge of the working properties of metals and their skill with CNC programming to design and carry out the operations needed to make machined products that meet precise specifications.

CNC programmers—also referred to as *numerical tool and process control programmers*—develop the programs that run the machine tools. They review three-dimensional computer aided/automated design (CAD) blueprints of the part and determine the sequence of events that will be needed to make the part. This may involve calculating where to cut or bore into the workpiece, how fast to feed the metal into the machine, and how much metal to remove.

Certificate Program

Program Learning Outcomes

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

- Create a steam or stirling engine based on blueprints that involves parts using both the mill and the lathe.
- Create five-axis part drawing files using Computer Aided Manufacturing program such as Mastercam, numerical code files and Solid Works.
- Compose written assignments on occupation safety in general industry.
- Solve mathematical formulas by using unknowns and apply this knowledge to solve problems for the industry.
- Establish a systematic approach to recognizing the essential information given on a blueprint.

In addition to achieving the program learning outcomes for the Computer Numerical Control programming certificate, students who complete the Associate in Science Degree in Computer Numerical Control Programming (CNC) technology will demonstrate proficiency in general education student learning outcomes and proficiency in subject matter student learning outcomes.

<u>Required Courses (27-28 units)</u>		<u>Units</u>
ENE-30	Computer Aided Drafting (CAD)	3
ENE-42	SolidWorks I	3
ENE-51	Blueprint Reading	2
ENE-52	Geometric Dimensioning and Tolerancing	2
ENE-60	Math for Engineering Technology	3
Or		
MAT-36	Trigonometry	4
MAN-35	Computer Aided Manufacturing-Mastercam	5
MAN-55	Occupational Safety and Health Administration (OSHA) Standards for General Industry	2
MAN-56	CNC Machine Set-up and Operation	4
MAN-57	CNC Program Writing	3

Associate in Science Degree

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

Program Outline of Record
Degree/Certificate Modification

Drafting Technology

NAS/NCE 539

College: Norco

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

Program Learning Outcomes

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

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

Required Courses (25-27 units)		Units
ENE-21	Drafting	3
ENE-22	Engineering Drawing	3
ENE-28	Technical Design	3
ENE-30	Computer Aided Drafting (CAD)	3
ENE-42	SolidWorks I	3
ENE-51	Blueprint Reading	2
ENE-52	Geometric Dimensioning & Tolerancing	2
ENE-60	Math for Engineering Technology	3
	or	
MAT-36	Trigonometry	4
Electives (Choose from list below)		3-4

Electives (3-4 units)		Units
ARE-24	Architectural Drafting	3
ENE-23	Descriptive Geometry	3
ENE-26	Civil Engineering Drafting	3
ENE-27/ELE-27	Technical Communications	3
ENE-42B	SolidWorks II	3
MAN-56	CNC Machine Set-Up and Operation	4
WEL34	Metal Joining Process	2

Associate in Science Degree

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

Total Units **25 - 27**

Program Outline of Record
Degree/Certificate Modification

College: Norco

Supply Chain Technology

Supply Chain Technology is a rapidly-emerging discipline that supports the automated warehousing industry. This program provides students with the skills and hands-on training needed to install, operate, support, upgrade or maintain the software, hardware, automated equipment and systems that support the supply chain. This includes complex conveyer systems, robotics, sensors, optics, mechanical drive systems and programmable logic controllers. Upon completion, students are prepared to successfully enter the field as Electro-Mechanical Technicians, Automated System Technicians, Industrial Machinery Mechanics, or Supply Chain Technicians.

Program Learning Outcomes

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

- Demonstrate troubleshooting procedures to diagnose and repair hydraulic and pneumatic systems used in automated processes and robotic assemblies.
- Discuss and demonstrate occupational safety and technical communications related to working in a distribution center.
- Demonstrate the installation, maintenance and troubleshooting of Programmable Logic Controllers systems (PLCs) and PLC modules.
- Establish a systematic approach to recognizing the essential information given on a blueprint.
- Solve arithmetic problems and formulas using unknowns that are typical to solving problems in engineering and industrial settings.

Required Courses

Course	Title	Units
SCT-1	Introduction to Automated Warehousing	3.0
ELE-73/MAN-73	Electric Motors for Electricians	4.0
ELE-74/MAN-74	Industrial Electrical Automation	4.0
ENE-27/ELE-27	Technical Communications	3.0
ENE-51	Blueprint Reading	2.0
ENE-60	Math for Engineering Technology	3.0
Or MAT-36	Trigonometry	4.0
MAN-55	OSHA Standards for General Industry	2.0
MAN-60	Hydraulic and Pneumatic Systems	3.0
ELE-64/MAN-64	Programmable Logic Controllers	3.0
ELE-26	Microprocessors/Microcontrollers	4.0
Total		31-32

Associate of Science Degree

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

Technical Review Committee

Draft Agenda
2:30 p.m. March 17, 2016
CAADO Conference Room 209

- A. Agenda and Minutes Approval
- B. New Courses: None
- C. New Stand Alone Courses:

	Title	Location	Action	Comment
This course will introduce students to reading fiction in a casual environment:				
REA-95A	The Book Club	MNR		Non-degree credit; If changes have been completed
REA-95B	The Book Club	MNR		If changes have been completed
REA-95C	The Book Club	MNR		If changes have been completed
REA-95D	The Book Club	MNR		If changes have been completed

- D. Course Inclusions: None
- E. Distance Education:

	Title	Location	Action	Comment
BUS-15	Street Law: An Introduction to Law and Legal Issues	R		Hybrid
MAG-73	Quality Inspection and Test	R		Hybrid and Online
MAG-74	Statistical Process Control	R		Hybrid and Online
MAG-75	Quality Auditing	R		Hybrid and Online
MAG-77	Problem Solving and Improvement	R		Hybrid and Online

- F. Minor Course Modifications:

	Title	Location	Action	Comment
Course is being modified to update the course materials:				
MAG-53	Human Relations	NR		
MAG-60	Introduction to Hospitality Management	R		

G. Major Course Modifications:

	Title	Location	Action	Comment
The following courses are being modified to update the SLOs, MOI, sample assignments and course materials:				
ACC-61	Cost Accounting	NR		If changes have been made
ACC-66	Non-Profit and Governmental Accounting	NR		If changes have been made
The following courses are being modified to change the title from “Experimental Drawing,” to update course description, SLO’s, course content, MOI, MOE, sample assignments and course materials:				
ART-19	Experimental Methods and Materials	NR		
The following courses are being modified to change the title from “Design and Color,” to update course description, SLO’s, course content, MOI, MOE, sample assignments and course materials:				
ART-23	Color Theory and Design	MNR		
The following course is being modified to change the units from 2 to 3 and to change lecture hours from 36 to 54:				
BUS-14	Social Media and Online Marketing for Entrepreneurs	R		
The following course is being modified to change the laboratory hours from 12 to 8 hours, to update the course description and SLOs:				
FIT-E3D	Emergency Medical Technician Continuing Education	M		
The following course is being modified to update the corequisite, course description and entry skills:				
FTV-51A	Film, Television and Video Laboratory I	R		
The following courses are being modified to update the course description, SLOs, course content, MOI, MOE, sample assignments, and course materials:				
MUS-8A	Music Technology I	R		
MUS-8B	Music Technology II	R		
The following courses are being modified to update the SLOs, course content, MOI, MOE, sample assignments, and course materials:				
MUS-9	MIDI/Digital Audio Composition and Film Scoring	R		
MUS-10	MIDI/Digital Audio Music Production	R		
The following course is being modified to update the course description, SLOs, course content, MOI, MOE, sample assignments and course materials:				
RLE-80	Real Estate Principals	MNR		
The following course is being modified to update the links to the GESLOs and course materials:				
SOC-1H	Honors Introduction to Sociology	NR		
The following course is being modified to update the links to the GESLOs, course content, MOI, MOE, and course materials:				
SOC-15	Women in American Society	NR		

H. Course Exclusions:

	Title	Location	Action	Comment
The following course has never been offered at MVC:				
PHO-12	Photojournalism	M		

I. Course Deletions:

	Title	Location	Action	Comment
The following courses have not been offered in years or have never been offered:				
ADJ-A33A	Public Safety Seminar A	M		
ADJ-A33B	Public Safety Seminar B	M		
ADJ-A33C	Public Safety Seminar C	M		
ADJ-A33E	Public Safety Seminar E	M		
ADJ-A36A	Inland Boating Enforcement	M		
ADJ-A37A	Latent Fingerprint Retrieval	M		
ADJ-A45A	Digital Photography for Law Enforcement	M		
ADJ-A50A	Rave and Rave Drugs	M		
ADJ-A57A	Casino-Related Crime Investigation	M		
ADJ-C12A	First Aid/CPR Instructor Course	M		
ADJ-C13A	Stun-Tech R.E.A.C.T. Belt Training	M		
ADJ-C18A	Basic Inmate Classification	M		
ADJ-C19	Corrections Mental Health	M		
ADJ-C20A	Leadership Enhancement	M		
ADJ-C21A	Corrections Training Officer Update	M		
ADJ-C38	Advanced Corrections Perishable Skills Training	M		
ADJ-C3C	Advanced Corrections Training	M		
ADJ-C4A	Advanced Corrections Training for Supervisors	M		
ADJ-C5A	Basic Writing Skills for Corrections	M		
ADJ-C6A	Corrections Training Officer	M		
ADJ-C7A	Writing Skills for Correctional Deputy (Advanced)	M		

ADJ-R5A	Straight Stick Baton Update for Reserves	M		
ADJ-R6A	Oleoresin Capsicum for Reserves	M		
ADJ-T15A	Cardiopulmonary Resuscitation Refresher Course	M		
ADJ-T17A	Communications Supervisors Training	M		
ADJ-T18A	Spanish Lang for Public Safety Officers	M		
ADJ-T26A	Civil Disturbance Training (CHP)	M		
ADJ-T31A	Motor Vehicle Inspections- Basic	M		
ADJ-T35A	Speed Determination/Crush Analysis	M		
ADJ-T36A	Collisions-Pedestrians, Bikes	M		
ADJ-T42A	Safety Services Program Update	M		
ADJ-T44A	Workplace Violence Prevention Instructor Training	M		
ADJ-T46A	EEO Counselor/Investigator Recertification	M		
ADJ-T47A	Enhanced Officer Safety Training	M		
ADJ-T53A	PAS Device Coordinator	M		
ADJ-T5A	Techniques of Accident Investigation Training	M		
ADJ-T61A	Communications Training Specialist	M		
ADJ-T65A	NHTSA Child Safety Training	M		
ADJ-T70A	CHP-Explorer Academy Level III	M		
ADJ-T72A	Radioactive Materials Response	M		
ADJ-T73A	General Hazardous Materials Inspection Compliance	M		
ADJ-T75A	SMPV Commercial Enforcement Training	M		
ADJ-W3A	Domestic Terrorism. Threats, Sabotage	M		
ADJ-Y18	Explorer Academy-Advanced	M		
ADJ-Y5A	Publ Safety High School Intern Acad	M		
ADJ-Y5B	Publ Safety High School Internship Acad 2	M		
CIS-43	Survey of Media Art for Game Design/Animation	N		
GAM-45	Materials and Lighting	N		

J. New State Approved Degree: None

- K. New Locally Approved Certificate: None
- L. State/Locally Approved Certificate/Degree Modifications:
 - a. Relational Database Management Technology (R)
- M. State Certificate/Degree Deletions: None
- N. Discussion

Program Outline of Record Degree/Certificate Modification

RELATIONAL DATABASE MANAGEMENT TECHNOLOGY (R)

CE816

Provides the skills necessary to present a view of data as a collection of rows and columns and manage these relational databases based on a variety of data models.

Certificate Program

Program Learning Outcomes

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

- Present the data to the user as a set of relations.
- Provide relational operators to manipulate the data in tabular form.
- Use a modeling language to define the schema of each database hosted in the DBMS, according to the DBMS data model.
- Optimize data structures (fields, records, files and objects) to deal with very large amounts of data stored on a permanent data storage device.
- Create a database query language and report writer to allow users to interactively interrogate the database, analyze its data and update it according to the users privileges on data.
- Develop a transaction mechanism that would guarantee the ACID properties, in order to ensure data integrity, despite concurrent user accesses and faults.

Required Courses (12 units)	Units
CIS/CSC-28A MS Access Programming	3
CIS/CSC-61 Introduction to Database Theory	3
CIS/CSC-62 Microsoft Access DBMS: Comprehensive	3
CIS/CSC-63 Introduction to Structured Query Language (SQL)	3
CIS/CAT 91 Microsoft Project	3

TECHNICAL REVIEW COMMITTEE MINUTES

March 3, 2:30 p.m.

Spruce Street, Conference Room #343

Faculty Chair: Steven Schmidt, Tech Review Chair

Members Present:

Norco College:

Brian Johnson..... Curriculum Committee Chair

Moreno Valley College

Carolyn Quin..... Curriculum Committee Chair

Riverside City College

Greg Burchett..... Curriculum Committee Chair

Committee Staff:

Sylvia Thomas..... Administrator

Naomi Foley..... Administrative Support

Lorena Franco Administrative Support

Toni Van Buhler..... Administrative Support

Guests: Carol Farrar, Dean of Instruction, Norco College

- A. MSC Johnson/Quin approved the agenda for today's meeting and the minutes from the February 18, 2016 with corrections to remove Burchett as he was absent.
- B. New Stand Alone Courses: MSC Johnson/Quin forward the following to the college curriculum committees for approval or information after changes have been completed:

	Title	Location	Action	Comment
This course offers students an accelerated pathway to meeting the reading competency graduation requirement:				
REA-90	Accelerated College Reading	MNR		Non-degree credit; If changes have been completed to clarify the prerequisite

Changes have not been completed. Proposals kept on hold. Greg will talk to Kelly Douglass.

This course will introduce students to reading fiction in a casual environment:				
REA-95A	The Book Club	MNR		Non-degree credit
REA-95B	The Book Club	MNR		
REA-95C	The Book Club	MNR		
REA-95D	The Book Club	MNR		

C. New Courses (not stand alone): None

D. Course Inclusion: None

E. Distance Education: None

F. Minor Course Modifications: MSC Johnson/Quin The following was approved:

	Title	Location	Action	Comment
Course is being modified to update the course materials:				
BUS-82	Freight Claims	N		
BUS-83	Contracts	N		

G. Major Modifications: MSC Johnson/Quin forward the following to the college curriculum committees for approval or information after the suggested changes have been completed:

	Title	Location	Action	Comment
The following course is being modified to correct the units from 1 to 1.5, update SLOs, sample assignments, course materials and course content:				
FIT-S3A	Introduction to Fire Academy and Physical Conditioning for Fire Academy Students	M		
The following course is being modified to change the title from "ICD-9 Coding /Ambulatory" and to update the course description, course content, SLOs, MOI, sample assignments and course materials:				
MDA-63	Diagnostic Coding/Ambulatory	M		
The following course is being modified to change the title from "ICD-9 Coding /Hospital," to change the prerequisite wording and to update the course content, SLOs, MOI, sample assignments and course materials:				
MDA-64	Diagnostic Coding/Hospital	M		

The following proposals are kept on hold; changes have not been completed.

The following courses are being modified to update the SLOs, MOI, sample assignments and course materials:				
ACC-61	Cost Accounting	NR		Course description needs rewording, course content should have more levels
ACC-66	Non-Profit and Governmental Accounting	NR		Needs advisory skill and linkage to BUS-20, content should have more levels

O. Course Exclusions: None

P. Course Deletions: None

Q. New State Approved Degree: MSC Johnson/Quin forward the following to the college curriculum committees for approval or information

a. Kinesiology For Transfer Degree

R. New Locally Approved Certificate: None

- S. State/Locally Approved Certificate/Degree Modifications: MSC Johnson/Quin forward the following to the college curriculum committees for approval or information
 - a. Industrial Automation (correction- previously approved on December 3)
- T. State Certificate/Degree Deletions:
 - a. Business Administration: Marketing Concentration
 - b. Commercial Music: Performance
 - c. Game Art Core
 - d. Game Art: 3D Animation
- U. Discussion

Program Outline of Record
New Degree

Associate in Science Degree in Kinesiology for Transfer

College: Norco

This degree is designed to facilitate the student's passage from Norco College to the University System with an Associate Degree in Kinesiology. This degree will satisfy the lower division requirements for the eventual conferral of the Bachelor's Degree in Kinesiology. With this degree the student will be prepared for transfer to the university upper division level.

Program Learning Outcomes

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

- Identify and investigate career pathways in the discipline of Kinesiology.
- Utilize fitness principles and training guidelines to plan and practice an individualized cardiorespiratory endurance, strength training, and flexibility program
- Demonstrate an understanding of basic anatomical and physiological principles.

Required Courses (21-23 units)	Units
KIN-10 Introduction to Kinesiology	3
AMY-2A Anatomy and Physiology I	4
AMY-2B Anatomy and Physiology II	4
Movement-Based Courses Choose 1 course from each area below	3
List A Choose from the list below	7-9

Movement-Based Courses (minimum 3 units) 3

Select a maximum of one (1) course from each area below:

Combatives

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

Fitness

KIN-A46	Hatha Yoga, Beginning	1
KIN-A47	Hatha Yoga, Intermediate	1
KIN-A75A	Walking for Fitness: Beginning	1
KIN-A75B	Walking for Fitness: Intermediate	1
KIN-A77	Jogging for Fitness	1
KIN-A81	Physical Fitness	1
KIN-A83	Kickboxing Aerobics	1

Team Sports

KIN-A55	Slow Pitch Softball	1
KIN-A64	Soccer	1

List A: Select two courses from the following (7-9 units)

BIO-17	Human Biology	4
CHE-1A	General Chemistry, I	5
KIN-30	First Aid and CPR	3
MAT-12/12H	Statistics/Honors Statistics	4
PHY-4A	Mechanics	4

Associate in Science for Transfer Degree

The Associate in Science in Kinesiology for Transfer degree will be awarded upon completion of 60 California State University (CSU) transferable units including the above major requirements and the Intersegmental General Education Transfer Curriculum (IGETC) or California State University General Education (CSUGE) requirements with a minimum grade point average of 2.0. All courses in the major must be completed with a grade of "C" or better.

Program Outline of Record
Degree/Certificate Modification

Industrial Automation

College: Norco

Businesses and other organizations depend on complex electronic equipment for a variety of functions. Industrial controls automatically monitor and direct production processes on the factory floor. Transmitters and antennae provide communication links for many organizations. Industry needs well-trained technicians with the knowledge of how to design, repair and implement new equipment. The Industrial Automation program teaches how to use Electronics, Programmable Logic Control and Fluid Power systems to create and program new machinery used in industry. This certificate prepares students for employment as an automated systems technician, maintenance mechanic, general maintenance worker, or electro-mechanical technicians.

Program Learning Outcomes

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

- Demonstrate the installation maintenance and troubleshooting of Programmable Logic Control systems (PLCs) or Variable Frequency Drives (VFD) PLC modules.
- Set-up and operate fluid powered valves, cylinders, controls filters, and actuators.
- Establish a systematic approach to recognizing the essential information given on a blueprint.
- Solve formulas by using unknowns and apply this knowledge to solve problems encountered in technological areas and various fields of engineering.
- Write descriptive and operational instructions for nontechnical users of technical information, including occupational safety concerns.

Required Courses (28-29 units)		Units
ELE-11	DC Electronics	4
ELE-13	AC Electronics	4
ELE-74	Industrial Wiring and Controls	4
ELE/ENE-27	Technical Communications	3
ENE-51	Blueprint Reading	2
MAN-55	Occupational Safety and Health Administration	2
MAN-60	Hydraulic and Pneumatic Systems	3
MAN/ELE-64	Programmable Logic Controllers	3
ENE-60	Math for Engineering Technology	3
or		
MAT-36	Trigonometry	4
Total Units:		28-29

Technical Review Committee

Draft Agenda
2:30 p.m. March 3, 2016
CAADO Room 209

- A. Agenda and Minutes Approval
- B. New Courses: None

C. New Stand Alone Courses:

	Title	Location	Action	Comment
This course offers students an accelerated pathway to meeting the reading competency graduation requirement:				
REA-90	Accelerated College Reading	MNR		Non-degree credit; If changes have been completed
This course will introduce students to reading fiction in a casual environment:				
REA-95A	The Book Club	MNR		Non-degree credit; If changes have been completed
REA-95B	The Book Club	MNR		If changes have been completed
REA-95C	The Book Club	MNR		If changes have been completed
REA-95D	The Book Club	MNR		If changes have been completed

- D. Course Inclusions: None
- E. Distance Education: None

F. Minor Course Modifications:

	Title	Location	Action	Comment
Course is being modified to update the course materials:				
BUS-82	Freight Claims	N		
BUS-83	Contracts	N		

G. Major Course Modifications:

	Title	Location	Action	Comment
The following courses are being modified to update the SLOs, MOI, sample assignments and course materials:				
ACC-61	Cost Accounting	NR		If changes have been made
ACC-66	Non-Profit and Governmental Accounting	NR		If changes have been made
The following course is being modified to correct the units from 1 to 1.5, update SLOs, sample assignments, course materials and course content:				

	Title	Location	Action	Comment
FIT-S3A	Introduction to Fire Academy and Physical Conditioning for Fire Academy Students	M		
The following course is being modified to change the title from “ICD-9 Coding /Ambulatory” and to update the course description, course content, SLOs, MOI, sample assignments and course materials:				
MDA-63	Diagnostic Coding/Ambulatory	M		If changes have been completed
The following course is being modified to change the title from “ICD-9 Coding /Hospital,” to change the prerequisite wording and to update the course content, SLOs, MOI, sample assignments and course materials:				
MDA-64	Diagnostic Coding/Hospital	M		If changes have been completed

H. Course Exclusions: None

I. Course Deletions: None

J. New State Approved Degree:

a. Kinesiology For Transfer Degree

K. New Locally Approved Certificate: None

L. State/Locally Approved Certificate/Degree Modifications:

a. Industrial Automation (correction- previously approved on December 3)

M. State Certificate/Degree Deletions:

a. Business Administration: Marketing Concentration

b. Commercial Music: Performance

c. Game Art Core

d. Game Art: 3D Animation

N. Discussion

Program Outline of Record
New Degree

Associate in Science Degree in Kinesiology for Transfer

College: Norco

This degree is designed to facilitate the student's passage from Norco College to the University System with an Associate Degree in Kinesiology. This degree will satisfy the lower division requirements for the eventual conferral of the Bachelor's Degree in Kinesiology. With this degree the student will be prepared for transfer to the university upper division level.

Program Learning Outcomes

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

- Identify and investigate career pathways in the discipline of Kinesiology.
- Utilize fitness principles and training guidelines to plan and practice an individualized cardiorespiratory endurance, strength training, and flexibility program
- Demonstrate an understanding of basic anatomical and physiological principles.

Required Courses (21-23 units)	Units
KIN-10 Introduction to Kinesiology	3
AMY-2A Anatomy and Physiology I	4
AMY-2B Anatomy and Physiology II	4
Electives Choose 1 course from each area below	3
List A Choose from the list below	7-9

<u>Movement-Based Courses (minimum 3 units)</u>	3
---	---

Select a maximum of one (1) course from each area below:

Combatives

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

Fitness

KIN-A46 Hatha Yoga, Beginning	1
KIN-A47 Hatha Yoga, Intermediate	1
KIN-A75A Walking for Fitness: Beginning	1
KIN-A75B Walking for Fitness: Intermediate	1
KIN-A77 Jogging for Fitness	1
KIN-A81 Physical Fitness	1
KIN-A83 Kickboxing Aerobics	1

Team Sports

KIN-A55 Slow Pitch Softball	1
KIN-A64 Soccer	1

List A: Select two courses from the following (7-9 units)

BIO-17 Human Biology	4
CHE-1A General Chemistry, I	5
KIN-30 First Aid and CPR	3
MAT-12/12H Statistics/Honors Statistics	4
PHY-2A General Physics I	4
OR	

PHY-4A Mechanics

4

Total Units:

21-23

The Associate in Science in Kinesiology for Transfer degree will be awarded upon completion of 60 California State University (CSU) transferable units including the above major requirements and the Intersegmental General Education Transfer Curriculum (IGETC) or California State University General Education (CSUGE) requirements with a minimum grade point average of 2.0. All courses in the major must be completed with a grade of "C" or better.

Program Outline of Record
Degree/Certificate Modification

Industrial Automation

College: Norco

Businesses and other organizations depend on complex electronic equipment for a variety of functions. Industrial controls automatically monitor and direct production processes on the factory floor. Transmitters and antennae provide communication links for many organizations. Industry needs well-trained technicians with the knowledge of how to design, repair and implement new equipment. The Industrial Automation program teaches how to use Electronics, Programmable Logic Control and Fluid Power systems to create and program new machinery used in industry. This certificate prepares students for employment as an automated systems technician, maintenance mechanic, general maintenance worker, or electro-mechanical technicians.

Program Learning Outcomes

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

- Demonstrate the installation maintenance and troubleshooting of Programmable Logic Control systems (PLCs) or Variable Frequency Drives (VFD) PLC modules.
- Set-up and operate fluid powered valves, cylinders, controls filters, and actuators.
- Establish a systematic approach to recognizing the essential information given on a blueprint.
- Solve formulas by using unknowns and apply this knowledge to solve problems encountered in technological areas and various fields of engineering.
- Write descriptive and operational instructions for nontechnical users of technical information, including occupational safety concerns.

Required Courses (28-29 units)		Units
ELE-11	DC Electronics	4
ELE-13	AC Electronics	4
ELE-74	Industrial Wiring and Controls	4
ELE/ENE-27	Technical Communications	3
ENE-51	Blueprint Reading	2
MAN-55	Occupational Safety and Health Administration	2
MAN-60	Hydraulic and Pneumatic Systems	3
MAN/ELE-64	Programmable Logic Controllers	3
ENE-60	Math for Engineering Technology	3
or		
MAT-36	Trigonometry	4
Total Units:		28-29

TECHNICAL REVIEW COMMITTEE MINUTES

February 18, 2:30 p.m.
Spruce Street, Conference Room #343

Faculty Chair: Steven Schmidt, Tech Review Chair

Members Present:

Norco College:

Brian Johnson..... Curriculum Committee Chair

Moreno Valley College

Carolyn Quin..... Curriculum Committee Chair

Committee Staff:

Sylvia Thomas..... Administrator

Naomi Foley..... Administrative Support

Lorena Franco Administrative Support

Toni Van Buhler..... Administrative Support

Guests: None

Absent: Greg Burchett Curriculum Committee Chair, Riverside City College

- A. MSC Johnson/Quin approved the agenda for today’s meeting removing the REA and MDA proposals and the minutes from the December 10, 2015.
- B. New Stand Alone Courses: MSC Burchett/Quin forward the following to the college curriculum committees for approval or information after changes have been completed:

	Title	Location	Action	Comment
This course is needed to assist our students in transfer and provide additional laboratory choices in the life sciences for non-biology majors. They are required to have this lab if they use ANT-1 to fulfill their Life/Biological Sciences and usually have to make it up at their transfer college:				
ANT-1L	Physical Anthropology Laboratory	MNR		If changes have been completed
This course will be an elective in the Film Production emphasis of the FTV Certificate and Associate Degree pattern:				
FTV-79	Introduction to Special Effects Make-Up for Film, Television and Video	R		
This course will fulfill an industry need for basic machine shop practices using manual machine tools:				
MAN-38	General Machine Shop	N		
This course offers students an accelerated pathway to meeting the reading competency graduation requirement:				

	Title	Location	Action	Comment
REA-90	Accelerated College Reading	MNR		If changes have been completed
This course will introduce students to reading fiction in a casual environment:				
REA-95A	The Book Club	MNR		Non-degree credit; If changes have been completed
REA-95B	The Book Club	MNR		If changes have been completed
REA-95C	The Book Club	MNR		If changes have been completed
REA-95D	The Book Club	MNR		If changes have been completed

C. New Courses (not stand alone): MSC Quin/Burchett forward the following to the college curriculum committees for approval or information with the suggested changes:

	Title	Location	Action	Comment
These courses will replace MIS-10 by creating two leveled courses in the new MIS discipline:				
MIS-10A	Norco Choir I	N		TBA hours
MIS-10B	Norco Choir II	N		TBA hours
These courses will replace MIS-11 by creating two leveled courses in the new MIS discipline:				
MIS-11A	Studio Arts Ensemble I	N		TBA hours
MIS-11B	Studio Arts Ensemble II	N		TBA hours

D. Course Inclusion: None

E. Distance Education: None

F. Minor Course Modifications: MSC Johnson/Quin The following was approved:

	Title	Location	Action	Comment
Course is being modified to update the course materials:				
DEA-30	Intermediate Chairside Dental Assisting	M		

G. Major Modifications: MSC Johnson/Quin forward the following to the college curriculum committees for approval or information after the suggested changes have been completed:

	Title	Location	Action	Comment
The following courses are being modified to update the SLOs, MOI, sample assignments and course materials:				
ACC-61	Cost Accounting	NR		
ACC-66	Non-Profit and Governmental Accounting	NR		
The following course is being modified to remove the prerequisite, update the SLOs, and course materials to be C-ID compliant:				
FTV-38A	Beginning Film, Television and Video Production Project	R		Suggested that SLOs need to be more general, assignments more specific and to be more CID compliant.
The following course is being modified to remove the prerequisite, update the SLOs, and course materials to be C-ID compliant:				
FTV-42	Writing for Broadcast Television	R		Suggested that SLOs need to be more general, assignments more specific and to be more CID compliant.
The following course is being modified to add the corequisite "FTV-51A", update the SLOs, and course materials to be C-ID compliant:				
FTV-44A	Beginning Television Production	R		Suggested that SLOs need to be more general, assignments more specific and to be more CID compliant.
The following course is being modified to update the SLOs, and course materials to be C-ID compliant:				
FTV-48	Short Film Production	R		Suggested that SLOs need to be more general, assignments more specific and to be more CID compliant.
The following course is being modified to update the SLOs, and course materials to be C-ID compliant:				
FTV-71A	Beginning Sound Engineering for Audio in Media	R		Suggested that SLOs need to be more general, assignments more specific and to be more CID compliant. Materials fee justification needed.
The following course is being modified to change the title from "ICD-9 Coding /Ambulatory" and to update the course description, course content, SLOs, MOI, sample assignments and course materials:				
MDA-63	Diagnostic Coding/Ambulatory	M		
The following course is being modified to change the title from "ICD-9 Coding /Hospital," to change the prerequisite wording and to update the course content, SLOs, MOI, sample assignments and course materials:				
MDA-64	Diagnostic Coding/Hospital	M		

The following proposals will be placed on hold.

The following courses are being modified to update the SLOs, MOI, sample assignments and course materials:
--

ACC-61	Cost Accounting	NR		Course description needs rewording, course content should have more levels
ACC-66	Non-Profit and Governmental Accounting	NR		Needs advisory skill and linkage to BUS-20, content should have more levels

H. Course Exclusions: MSC Burchett/Johnson forward the following to the college curriculum committees for approval or information:

	Title	Location	Action	Comment
This course is no longer being offered and is no longer a part of any certificate:				
CIS-38C	Simulation and Gaming/3D Dynamics and Rendering for Real-time Interactive Simulations	N		Cross listed with GAM-38C
These courses have either never been offered or have not been offered in many years and there are no plans to offer them in the future:				
ENG-8	Introduction to Mythology	M		
ENG-60A1	English Fundamentals: Sentence Structure	M		
ENG-60A2	English Fundamentals: Grammar and Usage	M		
ENG-60A3	English Fundamentals: Mechanics and Spelling	M		
ENG-60A4	English Fundamentals: Paragraph Construction	M		
This course was developed for a CIS program and has never been offered:				
MAT-6	Discrete Mathematics for Computer Science	N		
The discipline has no plans to offer this course in the future and it is replaced by MAT-65:				
MAT-63	Arithmetic	N		
This course has never been offered at Norco College and there are no plans to do so in the future:				
MAT-98	Academic Excellence Seminar	N		

I. Course Deletions: MSC Burchett/Johnson forward the following to the college curriculum committees for approval or information:

	Title	Location	Action	Comment
This course is no longer to be offered and is not part of the new certificate and degree patterns:				
ENE-1A	Plan Surveying, I	N		
ENE-1B	Plan Surveying, II	N		
ENE-18	Legal Aspects of Surveying	N		

ENE-26	Civil Engineering Drafting	N		An elective of Drafting Technology degree
ENE-31	Computer Aided Drafting (CAD)	N		

- O. New State Approved Degree: None
- P. New Locally Approved Certificate: None
- Q. New Locally Approved Certificate: None
- R. State/Locally Approved Certificate/Degree Modifications:
 - a. Graphic Design and Printing
 - b. Basic Graphic Communication
 - c. Basic Graphic Design
 - d. Electronic Publishing and Design
 - e. Motion Graphics and 3D Animation
- S. Discussion

Kevin Fleming discussed the proposals catalog language for the Apprentice programs for several sections of the catalog.

Program Outline of Record
Degree/Certificate Modification

Graphic Design and Printing

College: Riverside City
AS653/AS653B/AS653C/CE653

This program prepares students for a wide variety of careers in graphic communication and new media. This includes instruction in graphic design, illustration, photo manipulation, web design, animation, electronic prepress, press operation, bindery, and management, using the latest equipment and software available within a live, production facility. Classes are structured to give strong academic and hands-on experience for entry into the graphic communication/new media industries.

Program Learning Outcomes

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

- Demonstrate the ability to communicate effectively with clients and co-workers.
- Demonstrate ethical, economic, civic, and moral responsibility.
- Create graphics projects that demonstrate competent formal design skills including typography, composition and effective imagery.
- Create graphics projects from concept to completion considering target market, color model, resolution, and media specifications for offset, digital and multimedia publication, and if applicable, assign substrates and inks for its publication.
- Demonstrate proofing and pre-flighting techniques, portable document format (PDF) creation, and troubleshooting of a digital file in preparation for imaging a project.
- Demonstrate proper set-up, safe operation, and clean-up of finishing printing press equipment.
- Demonstrate the ability to estimate costs, document materials and time spent on production, and an ability to meet deadlines.
- Produce a portfolio and networking skills to promote talents in preparation for work in the graphics industry.

The ADM program prepares students for the following careers in graphic communications: production artist, graphic designer, web designer, illustrator, advertising designer, animator, prepress technician, press operator, bindery/finishing technician and production manager.

Required Courses (36 units)		Units
ADM-1	Introduction to Applied Digital Media	3
ADM-55	Business Management for Graphic Communications	3
ADM-2A	Color Systems and File Management	1
ADM-2B	Prepress, Paper and Ink	1
ADM-2C	Ethics and Legalities for Graphic Designers	1
ADM-62	Typography and Graphic Design	3
ADM-63A	Adobe InDesign	3
ADM-70	Project Production and Portfolio	3
ADM-71A	Adobe Photoshop	3
ADM-77A	Adobe Illustrator	3
ADM-85A	Commercial Printing	3
Electives	(Choose from list below)	9
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Electives (9 units)		
ADM-63B	Advanced Adobe InDesign	3
ADM-67	Multimedia Animation	3
ADM-68A	3D Animation with Maya I	3

ADM-68B	3D Animation with Maya II	3
ADM-69	Motion Graphics and Special Effects with After Effects	3
ADM-71B	Adobe Photoshop, Advanced	3
ADM-74	Dreamweaver for Graphic Designers	3
ADM-77B	Advanced Adobe Illustrator	3
ADM-80	Electronic Pre-press	3
ADM-85B	Commercial Printing, Advanced	3
ADM-200	Applied Digital Media and Printing Work Experience	1-2-3-4
ART-22	Basic Design	3
ART-23	Design and Color	3
ART-36A	Computer Art- Introduction	3
ART-36B	Computer Art-Intermediate	3
ART-39	Design and Graphics	3
FTV-64A	Beginning Digital Editing Principles and Techniques	3
MKT-40	Advertising	3
PHO-20	Introduction to Digital Photography	3

Associate of Science Degree

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

Program Outline of Record
Degree/Certificate Modification

Basic Graphic Communication

College: Riverside City
CE822

This program prepares students for basic careers in Graphic Communication. This includes instruction in all phases of project creation and production, using the latest equipment and software available. Classes are structured to give strong academic and hands-on experience into print design, production, and finishing.

Program Learning Outcomes

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

- Demonstrate ethical, economic, civic, and moral responsibility regarding digital media and print.
- Create a graphics project from concept to prepared artwork considering color model, resolution, and target market.
- Demonstrate proofing and pre-flighting techniques, portable document format (PDF) creation, and troubleshooting of a digital file in preparation for imaging a project.
- Demonstrate proper set-up, safe operation, and clean-up of ~~an offset~~ printing press equipment.
- Demonstrate an ability to meet deadlines.

Required Courses (17 units)	Units
ADM-1 Introduction to Applied Digital Media	3
ADM-2B Prepress, Paper and Ink	1
ADM-2C Ethics and Legalities for Graphic Designers	1
ADM-63A Adobe InDesign	3
ADM-71A Adobe PhotoShop	3
ADM-80 Electronic Pre-press	3
ADM-85A Commercial Printing	3
ADM-85B Commercial Printing, Advanced	3

Program Outline of Record
Degree/Certificate Modification

Basic Graphic Design

College: Riverside City
CE823

This certificate prepares students for a career in 2-dimensional graphic design, emphasizing layout, typography, and correct color models. Students produce real-world projects in an environment of a live, production facility with strong emphasis on deadlines and intended market, using the latest equipment and software available.

Program Learning Outcomes

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

- Demonstrate ethical, economic, civic, and moral responsibility regarding digital media and print.
- Create a graphics project from concept to prepared artwork considering color model, resolution, target market, and, if applicable, assign substrates and inks for its production.
- Create graphics projects that demonstrate basic formal design skills including typography, composition and effective imagery.
- Demonstrate proofing and pre-flighting techniques, portable document format (PDF) creation, and troubleshooting of a digital file in preparation for imaging a project.
- Demonstrate knowledge of the print production process from concept to production.
- Demonstrate an ability to meet deadlines.

Required Courses (17 units)		Units
ADM-1	Introduction to Applied Digital Media	3
ADM-62	Typography and Graphic Design	3
ADM-63A	Adobe InDesign	3
ADM-2A	Color Systems and File Management	1
ADM-2C	Ethics and Legalities for Graphic Designers	1
ADM-71A	Adobe PhotoShop	3
ADM-77A	Adobe Illustrator	3

Program Outline of Record
Degree/Certificate Modification

Electronic Publishing and Design

College: Riverside City
CE862

This certificate prepares students for careers in electronic publishing and web design. This includes instruction in basic web design, page layout, vector graphics, photo manipulation, file preparation, e-publishing and interactive design, using the latest equipment and software available.

Program Learning Outcomes

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

- Compare and contrast legal, social and commercial policies regarding new media piracy
- Define intellectual property and describe the basic principles of copyright legalities
- Create and export multimedia and interactive documents using Adobe InDesign
- Prepare, design and publish documents for specific digital devices using Adobe InDesign
- Design and utilize proper vector graphics using Adobe Illustrator
- Prepare images with correct resolution appropriate for video and animation using Adobe Photoshop
- Design and create functional web pages and websites with a professional appearance using Adobe Dreamweaver

Required Courses (17 units)	Units
ADM-63A Adobe InDesign	3
ADM-63B Advanced Adobe InDesign	3
ADM-2C Ethics and Legalities for Graphic Designers	1
ADM-2A Colors Systems and File Management	1
ADM-71A Adobe PhotoShop	3
ADM-74 Dreamweaver for Graphic Designers	3
ADM-77A Adobe Illustrator	3

Program Outline of Record
Degree/Certificate Modification

Motion Graphics and 3D Animation

College: Riverside City
CE821

This certificate prepares students for careers in multimedia graphics and computer animation. This includes instruction in photo manipulation, web animation, motion graphics, compositing, basic modeling and 3D animation using the latest equipment and software available.

Program Learning Outcomes

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

- Compare and contrast legal, social and commercial policies regarding new media piracy
- Define intellectual property and describe the basic principles of copyright legalities
- Use Adobe Flash to create animated shorts for web/TV distribution
- Prepare images with correct resolution appropriate for video and animation using Adobe Photoshop
- Combine and edit 2D animated sequences, and create motion graphics in video and film using Adobe After Effects
- Create 3D models and environments using various techniques with Autodesk Maya
- Describe and demonstrate advanced 3D animation and keyframing

Required Courses (17 units)

Units

ADM-2A	Color Systems and File Management	1
ADM-2C	Ethics and Legalities for Graphic Designers	1
ADM-67	Multimedia Animation	3
ADM-68A	3D Animation with Maya I	3
ADM-68B	3D Animation with Maya II	3
ADM-69	Motion Graphics and Special Effects with After Effects	3
ADM-71A	Adobe PhotoShop	3

Technical Review Committee

Draft Agenda
2:30 p.m. February 18, 2016
Spruce Street Conference Room 343

- A. Agenda and Minutes Approval
- B. New Courses:

	Title	Location	Action	Comment
These courses will replace MIS-10 by creating two leveled courses in the new MIS discipline:				
MIS-10A	Norco Choir I	N		If changes have been completed
MIS-10B	Norco Choir II	N		If changes have been completed
These courses will replace MIS-11 by creating two leveled courses in the new MIS discipline:				
MIS-11A	Studio Arts Ensemble I	N		If changes have been completed
MIS-11B	Studio Arts Ensemble II	N		If changes have been completed

- C. New Stand Alone Courses:

	Title	Location	Action	Comment
This course is needed to assist our students in transfer and provide additional laboratory choices in the life sciences for non-biology majors. They are required to have this lab if they use ANT-1 to fulfill their Life/Biological Sciences and usually have to make it up at their transfer college.				
ANT-1L	Physical Anthropology Laboratory	MNR		If changes have been completed
This course will be an elective in the Film Production emphasis of the FTV Certificate and Associate Degree pattern:				
FTV-79	Introduction to Special Effects Make-Up for Film, Television and Video	R		
This course will fulfill an industry need for basic machine shop practices using manual machine tools:				
MAN-38	General Machine Shop	N		
This course offers students an accelerated pathway to meeting the reading competency graduation requirement:				
REA-90	Accelerated College Reading	MNR		If changes have been completed
This course will introduce students to reading fiction in a casual environment:				
REA-95A	The Book Club	MNR		Non-degree credit; If changes have been completed
REA-95B	The Book Club	MNR		If changes have been completed
REA-95C	The Book Club	MNR		If changes have been completed
REA-95D	The Book Club	MNR		If changes have been completed

- D. Course Inclusions: None
- E. Distance Education: None

F. Minor Course Modifications:

	Title	Location	Action	Comment
Course is being modified to update the course materials:				
DEA-30	Intermediate Chairside Dental Assisting	M		

G. Major Course Modifications:

	Title	Location	Action	Comment
The following courses are being modified to update the SLOs, MOI, sample assignments and course materials:				
ACC-61	Cost Accounting	NR		
ACC-66	Non-Profit and Governmental Accounting	NR		
The following course is being modified to remove the prerequisite, update the SLOs, and course materials to be C-ID compliant:				
FTV-38A	Beginning Film, Television and Video Production Project	R		
The following course is being modified to remove the prerequisite, update the SLOs, and course materials to be C-ID compliant:				
FTV-42	Writing for Broadcast Television	R		
The following course is being modified to add the corequisite "FTV-51A", update the SLOs, and course materials to be C-ID compliant:				
FTV-44A	Beginning Television Production	R		
The following course is being modified to update the SLOs, and course materials to be C-ID compliant:				
FTV-48	Short Film Production	R		
The following course is being modified to update the SLOs, and course materials to be C-ID compliant:				
FTV-71A	Beginning Sound Engineering for Audio in Media	R		
The following course is being modified to change the title from "ICD-9 Coding /Ambulatory" and to update the course description, course content, SLOs, MOI, sample assignments and course materials:				
MDA-63	Diagnostic Coding/Ambulatory	M		
The following course is being modified to change the title from "ICD-9 Coding /Hospital," to change the prerequisite wording and to update the course content, SLOs, MOI, sample assignments and course materials:				
MDA-64	Diagnostic Coding/Hospital	M		

H. Course Exclusions:

	Title	Location	Action	Comment
This course is no longer being offered and is no longer a part of any certificate:				
CIS-38C	Simulation and Gaming/3D Dynamics and Redering for Real-time Interactive Simulations	N		Crosslisted with GAM-38C
These courses have either never been offered or have not been offered in many years and there are no plans to offer them in the future:				
ENG-8	Introduction to Mythology	M		
ENG-60A1	English Fundamentals: Sentence Structure	M		
ENG-60A2	English Fundamentals: Grammar and Usage	M		
ENG-60A3	English Fundamentals: Mechanics and Spelling	M		
ENG-60A4	English Fundamentals: Paragraph Construction	M		
This course was developed for a CIS program and has never been offered:				
MAT-6	Discrete Mathematics for Computer Science	N		
The discipline has no plans to offer this course in the future and it is replaced by MAT-65:				
MAT-63	Arithmetic	N		
This course has never been offered at Norco College and there are no plans to do so in the future:				
MAT-98	Academic Excellence Seminar	N		

I. Course Deletions:

	Title	Location	Action	Comment
This course is no longer to be offered and is not part of the new certificate and degree patterns:				
ENE-1A	Plan Surveying, I	N		
ENE-1B	Plan Surveying, II	N		
ENE-18	Legal Aspects of Surveying	N		
ENE-26	Civil Engineering Drafting	N		An elective of Drafting Technology degree
ENE-31	Computer Aided Drafting (CAD)	N		

J. New State Approved Degree: None

K. New Locally Approved Certificate: None

L. State/Locally Approved Certificate/Degree Modifications:

- a. Applied Digital Media and Printing
- b. Basic Graphic Communication

- c. Basic Graphic Design
- d. Electronic Publishing and Design
- e. Motion Graphics and 3D Animation

M. State Certificate/Degree Deletions: None

N. Discussion

Program Outline of Record
Degree/Certificate Modification

Applied Digital Media and Printing

College: Riverside City
AS653/AS653B/AS653C/CE653

This program prepares students for a wide variety of careers in graphic communication and new media. This includes instruction in graphic design, illustration, photo manipulation, web design, animation, electronic prepress, press operation, bindery, and management, using the latest equipment and software available within a live, production facility. Classes are structured to give strong academic and hands-on experience for entry into the graphic communication/new media industries.

Program Learning Outcomes

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

- Demonstrate the ability to communicate effectively with clients and co-workers.
- Demonstrate ethical, economic, civic, and moral responsibility.
- Create graphics projects that demonstrate competent formal design skills including typography, composition and effective imagery.
- Create graphics projects from concept to completion considering target market, color model, resolution, and media specifications for offset, digital and multimedia publication, and if applicable, assign substrates and inks for its publication.
- Demonstrate proofing and pre-flighting techniques, portable document format (PDF) creation, and troubleshooting of a digital file in preparation for imaging a project.
- Demonstrate proper set-up, safe operation, and clean-up of finishing printing press equipment.
- Demonstrate the ability to estimate costs, document materials and time spent on production, and an ability to meet deadlines.
- Produce a portfolio and networking skills to promote talents in preparation for work in the graphics industry.

The ADM program prepares students for the following careers in graphic communications: production artist, graphic designer, web designer, illustrator, advertising designer, animator, prepress technician, press operator, bindery/finishing technician and production manager.

Required Courses (36units)		Units
ADM-1	Introduction to Applied Digital Media	3
ADM-55	Business Management for Graphic Communications	3
ADM-2A	Color Systems and File Management	1
ADM-2B	Prepress, Paper and Ink	1
ADM-2C	Ethics and Legalities for Graphic Designers	1
ADM-62	Typography and Graphic Design	3
ADM-63A	Adobe InDesign	3
ADM-70	Project Production and Portfolio	3
ADM-71A	Adobe Photoshop	3
ADM-77A	Adobe Illustrator	3
ADM-85A	Commercial Printing	3
Electives	(Choose from list below)	9
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Electives (9 units)		
ADM-63B	Advanced Adobe InDesign	3
ADM-67	Multimedia Animation	3
ADM-68A	3D Animation with Maya I	3

ADM-68B	3D Animation with Maya II	3
ADM-69	Motion Graphics and Special Effects with After Effects	3
ADM-71B	Adobe Photoshop, Advanced	3
ADM-74	Dreamweaver for Graphic Designers	3
ADM-77B	Advanced Adobe Illustrator	3
ADM-80	Electronic Pre-press	3
ADM-85B	Commercial Printing, Advanced	3
ADM-200	Applied Digital Media and Printing Work Experience	1-2-3-4
ART-22	Basic Design	3
ART-23	Design and Color	3
ART-36A	Computer Art- Introduction	3
ART-36B	Computer Art-Intermediate	3
ART-39	Design and Graphics	3
FTV-64A	Beginning Digital Editing Principles and Techniques	3
MKT-40	Advertising	3
PHO-20	Introduction to Digital Photography	3

Associate of Science Degree

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

Program Outline of Record
Degree/Certificate Modification

Basic Graphic Communication

College:Riverside City
CE822

This program prepares students for basic careers in Graphic Communication. This includes instruction in all phases of project creation and production, using the latest equipment and software available. Classes are structured to give strong academic and hands-on experience into print design, production, and finishing.

Program Learning Outcomes

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

- Demonstrate ethical, economic, civic, and moral responsibility regarding digital media and print.
- Create a graphics project from concept to prepared artwork considering color model, resolution, and target market.
- Demonstrate proofing and pre-flighting techniques, portable document format (PDF) creation, and troubleshooting of a digital file in preparation for imaging a project.
- Demonstrate proper set-up, safe operation, and clean-up of ~~an offset~~ printing press equipment.
- Demonstrate an ability to meet deadlines.

Required Courses (17 units)	Units
ADM-1 Introduction to Applied Digital Media	3
ADM-2B Prepress, Paper and Ink	1
ADM-2C Ethics and Legalities for Graphic Designers	1
ADM-63A Adobe InDesign	3
ADM-71A Adobe PhotoShop	3
ADM-80 Electronic Pre-press	3
ADM-85A Commercial Printing	3
ADM-85B Commercial Printing, Advanced	3

Program Outline of Record
Degree/Certificate Modification

Basic Graphic Design

College: Riverside City
CE823

This certificate prepares students for a career in 2-dimensional graphic design, emphasizing layout, typography, and correct color models. Students produce real-world projects in an environment of a live, production facility with strong emphasis on deadlines and intended market, using the latest equipment and software available.

Program Learning Outcomes

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

- Demonstrate ethical, economic, civic, and moral responsibility regarding digital media and print.
- Create a graphics project from concept to prepared artwork considering color model, resolution, target market, and, if applicable, assign substrates and inks for its production.
- Create graphics projects that demonstrate basic formal design skills including typography, composition and effective imagery.
- Demonstrate proofing and pre-flighting techniques, portable document format (PDF) creation, and troubleshooting of a digital file in preparation for imaging a project.
- Demonstrate knowledge of the print production process from concept to production.
- Demonstrate an ability to meet deadlines.

Required Courses (17 units)		Units
ADM-1	Introduction to Applied Digital Media	3
ADM-62	Typography and Graphic Design	3
ADM-63A	Adobe InDesign	3
ADM-2A	Color Systems and File Management	1
ADM-2C	Ethics and Legalities for Graphic Designers	1
ADM-71A	Adobe PhotoShop	3
ADM-77A	Adobe Illustrator	3

Program Outline of Record
Degree/Certificate Modification

Electronic Publishing and Design

College: Riverside City
CE862

This certificate prepares students for careers in electronic publishing and web design. This includes instruction in basic web design, page layout, vector graphics, photo manipulation, file preparation, e-publishing and interactive design, using the latest equipment and software available.

Program Learning Outcomes

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

- Compare and contrast legal, social and commercial policies regarding new media piracy
- Define intellectual property and describe the basic principles of copyright legalities
- Create and export multimedia and interactive documents using Adobe InDesign
- Prepare, design and publish documents for specific digital devices using Adobe InDesign
- Design and utilize proper vector graphics using Adobe Illustrator
- Prepare images with correct resolution appropriate for video and animation using Adobe Photoshop
- Design and create functional web pages and websites with a professional appearance using Adobe Dreamweaver

Required Courses (17 units)	Units
ADM-63A Adobe InDesign	3
ADM-63B Advanced Adobe InDesign	3
ADM-2C Ethics and Legalities for Graphic Designers	1
ADM-2A Colors Systems and File Management	1
ADM-71A Adobe PhotoShop	3
ADM-74 Dreamweaver for Graphic Designers	3
ADM-77A Adobe Illustrator	3

Program Outline of Record
Degree/Certificate Modification

Motion Graphics and 3D Animation

College: Riverside City
CE821

This certificate prepares students for careers in multimedia graphics and computer animation. This includes instruction in photo manipulation, web animation, motion graphics, compositing, basic modeling and 3D animation using the latest equipment and software available.

Program Learning Outcomes

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

- Compare and contrast legal, social and commercial policies regarding new media piracy
- Define intellectual property and describe the basic principles of copyright legalities
- Use Adobe Flash to create animated shorts for web/TV distribution
- Prepare images with correct resolution appropriate for video and animation using Adobe Photoshop
- Combine and edit 2D animated sequences, and create motion graphics in video and film using Adobe After Effects
- Create 3D models and environments using various techniques with Autodesk Maya
- Describe and demonstrate advanced 3D animation and keyframing

Required Courses (17 units)

	Units
ADM-2A Color Systems and File Management	1
ADM-2C Ethics and Legalities for Graphic Designers	1
ADM-67 Multimedia Animation	3
ADM-68A 3D Animation with Maya I	3
ADM-68B 3D Animation with Maya II	3
ADM-69 Motion Graphics and Special Effects with After Effects	3
ADM-71A Adobe PhotoShop	3

TECHNICAL REVIEW COMMITTEE MINUTES

December 10, 2015 2:30 p.m.
 Spruce Street, Conference Room #343

Faculty Chair: Steven Schmidt, Tech Review Chair

Members Present:

Norco College:

Brian Johnson..... Curriculum Committee Chair

Moreno Valley College

Carolyn Quin..... Curriculum Committee Chair

Riverside City College:

Greg Burchett..... Curriculum Committee Chair

Committee Staff:

Naomi Foley..... Administrative Support

Guests: Kelly Douglass, Associate Professor, English, Riverside City College
 Rogelio Ruiz, Professor, Mathematics, Riverside City College

Absent: None

- A. MSC Burchett/Quin approved the agenda for today's meeting removing the REA-95 proposals and the minutes from the December 3, 2015 to add MAT-36 to the modification proposals for Industrial Automation and Electrician.
- B. New Stand Alone Courses: MSC Burchett/Quin forward the following to the college curriculum committees for approval or information after changes have been completed:

	Title	Location	Action	Comment
This course is needed to assist our students in transfer and provide additional laboratory choices in the life sciences for non-biology majors. They are required to have this lab if they use ANT-1 to fulfill their Life/Biological Sciences and usually have to make it up at their transfer college.				
ANT-1L	Physical Anthropology Laboratory	MNR		
This course is designed for students who placed below Intermediate Algebra(MAT 35). In this course the students will review concepts in Arithmetic and Elementary Algebra. Students who complete this course with a passing grade will have the opportunity to retake the placement test:				
MAT-81	JumpStart for Elementary Algebra	R		
MAT-82	JumpStart for Intermediate Algebra	R		
This course will introduce students to reading fiction in a casual environment:				
REA-95A	The Book Club	MNR		Non-degree credit

	Title	Location	Action	Comment
REA-95B	The Book Club	MNR		
REA-95C	The Book Club	MNR		
REA-95D	The Book Club	MNR		

The following were placed on hold pending changes:

	Title	Location	Action	Comment
This course is needed to assist our students in transfer and provide additional laboratory choices in the life sciences for non-biology majors. They are required to have this lab if they use ANT-1 to fulfill their Life/Biological Sciences and usually have to make it up at their transfer college.				
ANT-1L	Physical Anthropology Laboratory	MNR		MOI, MOE and sample assignments have "SLO" of critical thinking
This course offers students an accelerated pathway to meeting the reading competency graduation requirement:				
REA-90	Accelerated College Reading	MNR		Suggestion to remove GESLOs and to better define the prerequisite of "qualifying placement level" Also if this course can be used in place of REA-83 to fulfill the Competency then it needs to be approved and added to the catalog.

C. New Courses (not stand alone): MSC Quin/Burchett forward the following to the college curriculum committees for approval or information with the suggested changes:

	Title	Location	Action	Comment
These courses are the same as MUC-1A, 1B, 1C, just relaunching in MIS discipline:				
MIS-1A	Beginning Performance Techniques For Studio Recording	N		
MIS-1B	Intermediate Performance Techniques For Studio Recording	N		
MIS-1C	Advanced Performance Techniques For Studio Recording	N		
This course is to change from MUC to MIS discipline and alignment to new CMUS classes in C-ID:				
MIS-2	Songwriting	N		Suggestion to remove links to GESLOs and to add additional information to be CID compliant
This course is to change from MUC to MIS discipline and to make this course more robust than MUC-3 and to				

align with new C-ID descriptor:				
MIS-3	Digital Audio Production 1	N		Suggestion to remove links to GESLOs
This course is to change from MUC to MIS discipline and to make this course more robust than MUC 4 and more advanced industry certification:				
MIS-4	Digital Audio Production 2	N		Suggestion to remove links to GESLOs
This course is to change from MUC to MIS discipline:				
MIS-7	Introduction To Music Technology	N		Suggestion to remove links to GESLOs
MIS-12	Live Sound Reinforcement	N		Suggestion to remove links to GESLOs and to add additional information to be CID compliant
MIS-13	Recording Studio Workshop I	N		Suggestion to remove links to GESLOs
These courses are being leveled to give students the opportunity to enhance their learning:				
KIN-A77A	Jogging for Fitness, Beginning	NR		
KIN-A77B	Jogging for Fitness, Intermediate	NR		
KIN-A77C	Jogging for Fitness, Advanced	NR		
These courses are being leveled to give students the opportunity to enhance their learning:				
KIN-A81A	Physical Fitness, Beginning	MNR		
KIN-A81B	Physical Fitness, Intermediate	MNR		

These courses will be placed on hold to better delineate the A and B courses and suggestion to make them CID compliant:

These courses will replace MIS-10 by creating two leveled courses in the new MIS discipline:				
MIS-10A	Norco Choir I	N		
MIS-10B	Norco Choir II	N		
These courses will replace MIS-11 by creating two leveled courses in the new MIS discipline:				
MIS-11A	Studio Arts Ensemble I	N		
MIS-11B	Studio Arts Ensemble II	N		

D. Course Inclusion: None

E. Distance Education: MSC Burchett/Quin forward the following to the college curriculum committees for approval or information :

	Title	Location	Action	Comment
ACC-61	Cost Accounting	NR		Hybrid and Online
ACC-66	Non-Profit and Governmental Accounting	NR		Hybrid (already approved for Online)
ACC-67	U.S. and California Income Tax Preparation	N		Hybrid and Online

F. Minor Course Modifications:

MSC Johnson/Quin The following were approved:

	Title	Location	Action	Comment
The following courses are being modified to update the course materials:				
ACC-1A	Principles of Accounting I	MNR		
ACC-1B	Principles of Accounting II	MNR		
ACC-55	Applied Accounting/Bookkeeping	MNR		Crosslisted with CAT-55
ACC-63	Income Tax Accounting	MNR		
The course is being modified to update the course materials:				
BUS-86	Transportation and Traffic Management	N		
The course is being modified to update the course materials:				
ESL-801	ESL Support for Career and Technical Programs	NR		

G. Major Modifications: MSC Johnson/Quin forward the following to the college curriculum committees for approval or information after the suggested changes have been completed:

	Title	Location	Action	Comment
The following course is being modified to update the SLOs, course content, MOI, MOE sample assignments, course materials, and add transfer information:				
ADM-1	Introduction to Applied Digital Media	R		
The following course is being modified to update the SLOs, course content, course materials, and add transfer information:				
ADM-62	Typography and Graphic Design	R		Cross listed with CIS-59
The following course is being modified to update the course description, SLOs, course content, MOI, MOE sample assignments, course materials, and add transfer information:				
ADM-74	Dreamweaver for Graphic Designers	R		
The following course is being modified to change the course title from "Adobe Illustrator," to update the course description, SLOs, course content, MOI, MOE sample assignments, course materials, and add transfer				

	Title	Location	Action	Comment
information:				
ADM-77A	Adobe Illustrator for Graphic Art	R		
The following course is being modified to change the course title from “Advanced Adobe Illustrator,” to update the course description, course content, MOI, MOE sample assignments, course materials, and add transfer information:				
ADM-77B	Adobe Illustrator, Advanced	R		
The following course is being modified to update the course description, SLOs, course content, MOI, and course materials:				
ENG-1A	English Composition	MNR		
The following course is being modified to update the course description, SLOs, course content, MOI, MOE, and course materials:				
ENG-1AH	Honors English Composition	MNR		
The following course is being modified to update the course description, SLOs, course content, MOI, MOE, and course materials:				
ENG-50	Basic English Composition	MNR		
The following courses are being modified to update the SLOs, MOE, sample assignments and course materials:				
KIN-12	Sport Psychology	MR		
The following course is being modified to change the units from 2 to 3, to update the SLOs, and course materials:				
KIN-V21	Volleyball, Varsity, Women	R		
The following course is being modified to update the SLOs, sample assignments, and course materials:				
KIN-V78	Long Distance Running			
The following course is being modified to update the SLOs, course content, MOI, MOE, and course materials:				
REA-887	Reading Clinic	NR		If changes have been completed

H. Course Exclusions: MSC Burchett/Johnson forward the following to the college curriculum committees for approval or information:

	Title	Location	Action	Comment
These courses have either never been offered or have not been offered in many years and there are no plans to offer them in the future:				
ART-41A	Figure Painting-Introduction	M		
ART-41B	Figure Painting-Intermediate	M		
ART-43A	Studio Figure Painting-Portfolio Preparation	M		
ART-43B	Studio Figure Painting-Portfolio	M		

ART-44A	Beginning Animation Principles	M		
ART-44B	Intermediate Animation Principles	M		
ART-44C	Advanced Animation Principles	M		
ART-51A	Beginning Animation Production	M		
ART-51B	Intermediate Animation Production	M		
CHE-2B	Introductory Chemistry, II	N		
CHE-3	Fundamentals of Chemistry	N		

- I. Course Deletions: MSC Burchett/Johnson forward the following to the college curriculum committees for approval or information:

	Title	Location	Action	Comment
This course is no longer to be offered and is not part of the new certificate and degree patterns:				
ENE-18	Legal Aspects of Surveying	N		

- O. New State Approved Degree: None
P. New Locally Approved Certificate:
a. English as a Second Language certificate (M)
Q. New Locally Approved Certificate: None
R. State/Locally Approved Certificate/Degree Modifications: None
S. Discussion
Kevin Fleming discussed the proposals catalog language for the Apprentice programs for several sections of the catalog.

PROGRAM OUTLINE OF RECORD
NEW CERTIFICATE

College: R___ M_X N___

English as a Second Language Certificate

Completion of the certificate in English as a Second Language (ESL) provides students, prospective employers, and other community members with documented evidence of persistence and academic accomplishment in ESL. Each course must be completed with a final passing grade (C or higher and/or “Pass”).

PROGRAM LEARNING OUTCOMES

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

- Communicate successfully orally and in writing (allowing for minor second language errors that do not interfere with meaning) and comprehend language at the basic college level in preparation for ENG-50: Basic English Composition.
- Identify and use basic college-level Standard American English to write a short essay using academic vocabulary.
- Respond to a basic college-level reading through writing and competent participation in discussions.
- Employ patterns and expectations of American culture, especially in the college environment. Students will gain confidence working in this environment.

Required Courses

ESL-55	Advanced Writing and Grammar	5
ESL-65	American Classroom Culture	1
ESL-73	High Intermediate Reading and Vocabulary	4
ESL-93	Oral Skills III: Advanced Oral Communication	3

Elective Courses (1 elective required)

ESL-90D	Special Topics in ESL: Verb Tense Review	2
ESL-90L	Special Topics in ESL: Punctuation of Phrases and Clauses	2
ESL-90M	Special Topics in ESL: Prepositions and Articles	2
ESL-90P	Special Topics in ESL: Mastering Academic Vocabulary	2

Total Units:

15

Technical Review Committee

Draft Agenda
2:30 p.m. December 10, 2015
Spruce Street Conference Room 343

A. Agenda and Minutes Approval

B. New Courses:

	Title	Location	Action	Comment
These courses are the same as MUC-1A, 1B, 1C, just relaunching in MIS discipline:				
MIS-1A	Beginning Performance Techniques For Studio Recording	N		SLO: GESLO old CC: Weak 'Studio Setup: Console' only? * SLO and content more like studio engineer not performer
MIS-1B	Intermediate Performance Techniques For Studio Recording	N		
MIS-1C	Advanced Performance Techniques For Studio Recording	N		
This course is to change from MUC to MIS discipline and alignment to new CMUS classes in C-ID:				
MIS-2	Songwriting	N		
This course is to change from MUC to MIS discipline and to make this course more robust than MUC-3 and to align with new C-ID descriptor:				
MIS-3	Digital Audio Production 1	N		
This course is to change from MUC to MIS discipline and to make this course more robust than MUC 4 and more advanced industry certification:				
MIS-4	Digital Audio Production 2	N		
This course is to change from MUC to MIS discipline:				
MIS-7	Introduction To Music Technology	N		
MIS-12	Live Sound Reinforcement	N		
MIS-13	Recording Studio Workshop I	N		
These courses will replace MIS-10 by creating two leveled courses in the new MIS discipline:				
MIS-10A	Norco Choir I	N		If changes have been completed
MIS-10B	Norco Choir II	N		If changes have been completed
These courses will replace MIS-11 by creating two leveled courses in the new MIS discipline:				
MIS-11A	Studio Arts Ensemble I	N		If changes have been completed
MIS-11B	Studio Arts Ensemble II	N		If changes have been completed

These courses are being leveled to give students the opportunity to enhance their learning:				
KIN-A77A	Jogging for Fitness, Beginning	NR		
KIN-A77B	Jogging for Fitness, Intermediate	NR		
KIN-A77C	Jogging for Fitness, Advanced	NR		
These courses are being leveled to give students the opportunity to enhance their learning:				
KIN-A81A	Physical Fitness, Beginning	MNR		
KIN-A81B	Physical Fitness, Intermediate	MNR		

C. New Stand Alone Courses:

	Title	Location	Action	Comment
This course is needed to assist our students in transfer and provide additional laboratory choices in the life sciences for non-biology majors. They are required to have this lab if they use ANT-1 to fulfill their Life/Biological Sciences and usually have to make it up at their transfer college.				
ANT-1L	Physical Anthropology Laboratory	MNR		
This course is designed for students who placed below Intermediate Algebra(MAT 35). In this course the students will review concepts in Arithmetic and Elementary Algebra. Students who complete this course with a passing grade will have the opportunity to retake the placement test:				
MAT-81	JumpStart for Elementary Algebra	R		
MAT-82	JumpStart for Intermediate Algebra	R		
This course will introduce students to reading fiction in a casual environment:				
REA-95A	The Book Club	MNR		Non-degree credit; If changes have been completed
REA-95B	The Book Club	MNR		If changes have been completed
REA-95C	The Book Club	MNR		If changes have been completed
REA-95D	The Book Club	MNR		If changes have been completed

D. Course Inclusions:

	Title	Location	Action	Comment
The following course will be part of a new proposed certificate:				
ESL-65	American Classroom Culture	M		

E. Distance Education: None

F. Minor Course Modifications:

	Title	Location	Action	Comment
The following courses are being modified to update the course materials:				
ACC-1A	Principles of Accounting I	MNR		
ACC-1B	Principles of Accounting II	MNR		
ACC-55	Applied Accounting/Bookkeeping	MNR		Crosslisted with CAT-55
ACC-63	Income Tax Accounting	MNR		
The course is being modified to update the course materials:				
BUS-86	Transportation and Traffic Management	N		
The course is being modified to update the course materials:				
ESL-801	ESL Support for Career and Technical Programs	NR		

G. Major Course Modifications:

	Title	Location	Action	Comment
The following course is being modified to update the SLOs, course content, MOI, MOE sample assignments, course materials, and add transfer information:				
ADM-1	Introduction to Applied Digital Media	R		
The following course is being modified to update the SLOs, course content, course materials, and add transfer information:				
ADM-62	Typography and Graphic Design	R		Cross listed with CAT
The following course is being modified to update the course description, SLOs, course content, MOI, MOE sample assignments, course materials, and add transfer information:				
ADM-74	Dreamweaver for Graphic Designers	R		
The following course is being modified to change the course title from “Adobe Illustrator,” to update the course description, SLOs, course content, MOI, MOE sample assignments, course materials, and add transfer information:				
ADM-77A	Adobe Illustrator for Graphic Art	R		
The following course is being modified to change the course title from “Advanced Adobe Illustrator,” to update the course description, course content, MOI, MOE sample assignments, course materials, and add transfer information:				
ADM-77B	Adobe Illustrator, Advanced	R		
The following course is being modified to update the course description, SLOs, course content, MOI, and course materials:				
ENG-1A	English Composition	MNR		
The following course is being modified to update the course description, SLOs, course content, MOI, MOE, and course materials:				
ENG-1AH	Honors English Composition	MNR		

	Title	Location	Action	Comment
The following course is being modified to update the course description, SLOs, course content, MOI, MOE, and course materials:				
ENG-50	Basic English Composition	MNR		
The following courses are being modified to update the SLOs, MOE, sample assignments and course materials:				
KIN-12	Sport Psychology	MR		
The following course is being modified to change the units from 2 to 3, to update the SLOs, and course materials:				
KIN-V21	Volleyball, Varsity, Women	R		
The following course is being modified to update the SLOs, sample assignments, and course materials:				
KIN-V78	Long Distance Running			
The following course is being modified to update the SLOs, course content, MOI, MOE, and course materials:				
REA-887	Reading Clinic	NR		If changes have been completed

H. Course Exclusions:

	Title	Location	Action	Comment
These courses have either never been offered or have not been offered in many years and there are no plans to offer them in the future:				
ART-41A	Figure Painting-Introduction	M		
ART-41B	Figure Painting-Intermediate	M		
ART-43A	Studio Figure Painting-Portfolio Preparation	M		
ART-43B	Studio Figure Painting-Portfolio	M		
ART-44A	Beginning Animation Principles	M		
ART-44B	Intermediate Animation Principles	M		
ART-44C	Advanced Animation Principles	M		
ART-51A	Beginning Animation Production	M		
ART-51B	Intermediate Animation Production	M		

I. Course Deletions:

	Title	Location	Action	Comment
This course is no longer to be offered and is not part of the new certificate and degree patterns:				
ENE-18	Legal Aspects of Surveying	N		

J. New State Approved Degree:

- K. New Locally Approved Certificate:
 - a. English as a Second Language certificate (M)
- L. State/Locally Approved Certificate/Degree Modifications:
- M. State Certificate/Degree Deletions: None
- N. Discussion

PROGRAM OUTLINE OF RECORD
NEW DEGREE/CERTIFICATES

College: R__ M_X N__

English as a Second Language Certificate of Achievement

The Certificate of Achievement in English as a Second Language provides students, prospective employers, and other community members with documented evidence of persistence and academic accomplishment in ESL. Each course must be completed with a final passing grade (C or higher and/or “Pass”).

PROGRAM LEARNING OUTCOMES

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

- Communicate successfully orally and in writing (allowing for minor second language errors that do not interfere with meaning) and comprehend language at the basic college level in preparation for ENG-50: Basic English Composition.
- Identify and use basic college-level Standard American English to write a short essay using academic vocabulary.
- Respond to a basic college-level reading through writing and competent participation in discussions.
- Employ patterns and expectations of American culture, especially in the college environment. Students will gain confidence working in this environment.

Required Courses

ESL 55	Advanced Writing and Grammar	5
ESL 73	High Intermediate Reading and Vocabulary	4
ESL 93	Oral Skills III: Advanced Oral Communication	3
ESL 65	American Classroom Culture	1

Elective Courses (1 elective required)

ESL 90D Special Topics in ESL: Verb Tense Review	2
ESL 90M Special Topics in ESL: Prepositions and Articles	2
ESL 90L Special Topics in ESL: Punctuation of Phrases and Clauses	2
ESL 90P Special Topics in ESL: Mastering Academic Vocabulary	2

Total Units:

15

TECHNICAL REVIEW COMMITTEE MINUTES

December 3, 2015 2:30 p.m.
 Spruce Street, Conference Room #343

Faculty Chair: Steven Schmidt, Tech Review Chair

Members Present:

Norco College:

Brian Johnson Curriculum Committee Chair

Moreno Valley College

Carolyn Quin..... Curriculum Committee Chair

Riverside City College:

Greg Burchett..... Curriculum Committee Chair

Committee Staff:

Sylvia Thomas Associate Vice Chancellor, Educational Services

Naomi Foley Administrative Support

Guests: Cathy Brotherton,

James Cregg,

Nancy Gall,

Lidia Hulshof,

Scott, McLeod,

Ron Pardee,

Paul Van Hulle,

Absent: None

A. MSC Burchett/Quin approved the agenda for today's meeting with the removal of the Game Art degree modifications and the minutes from the November 19, 2015.

B. New Stand Alone Courses: MSC Burchett/Quin forward the following to the college curriculum committees for approval or information after changes have been completed:

	Title	Location	Action	Comment
These courses will be part of an apprenticeship certificate program that is being moved from Palomar College to Norco College in an effort to better serve the Inland Empire residents:				
ELE-420	Intro to Sound/Communication Trade Industry	N		Changes requested
ELE-421	Electrical Theory and Practices DC	N		Changes requested
ELE-422	Electrical Theory and Practices AC	N		Changes requested
ELE-423	Semiconductor Electronics	N		Changes requested
ELE-424	Intro to Digital Electronics and Signaling Devices	N		Changes requested

	Title	Location	Action	Comment
ELE-425	Management/Alarms/Codes/Circuits	N		Changes requested
ELE-499	Work Experience: Electricians Apprenticeship	N		Changes requested
These courses will be part of the new California State Fire Marshals Company Officer certification program that starts in December 2016. This program and courses will replace the current Chief Officer certification courses we are now offering. These courses will allow us to continue to meet the career development needs of our Fire Technology students:				
FIT-CFO3A	Human Resources Management Chief Fire Officer	M		
FIT-CFO3B	Budget and Fiscal Responsibilities Chief Fire Officer	M		
FIT-CFO3C	General Administration Functions Chief Fire Officer	M		
FIT-CFO3D	Emergency Service Delivery Responsibilities	M		
The California Office of the State Fire Marshal has implemented new certification requirements that are modeled after the NFPA Professional Qualifications 1041. This requires new curricula be operational by December 31, 2016. Old courses such as Training Instructor 1A will be retired at that date:				
FIT-INS1	Instructor I	M		
FIT-INS2	Instructor II	M		
These are five new courses (the 5 th course has already been approved) which will be combined with six existing courses in order to provide a series of five stackable certificates leading to an Associate of Science degree in Quality Assurance Management. Each certificate follows the body of knowledge presented by internationally recognized certification exams:				
MAG-74	Statistical Process Control	R		Changes requested to remove linkages to the GESLOs, and to add SLOs
MAG-75	Quality Auditing	R		Changes requested to remove linkages to the GESLOs, and to add SLOs
MAG-76	Metrology	R		Changes requested to remove linkages to the GESLOs, and to add SLOs
MAG-77	Problem Solving and Improvement	R		Changes requested to remove linkages to the GESLOs, and to add SLOs
This course will provide photography students with in-depth training in the understanding and use of photographic editing and printing software to produce professional results:				
PHO-18	Photographic Editing and Printing	R		Change to make hours more compatible with units

The courses are too similar and would not be allowed under the rules of repeatability. Suggestion to make this a non-credit course which then would allow repeatability.

This course will introduce students to reading fiction in a casual environment:				
REA-95A	The Book Club	MNR		Non-degree credit

REA-95B	The Book Club	MNR		
REA-95C	The Book Club	MNR		
REA-95D	The Book Club	MNR		

C. New Courses (not stand alone): MSC Quin/Burchett forward the following to the college curriculum committees for approval or information with the suggested changes:

	Title	Location	Action	Comment
Due to modifications being made to the art programs, ART classes are no longer a requirement. As such, it is necessary that the amount of learning surrounding digital drawing skills increase. This class is the successor to GAM 42:				
GAM-80	Digital Drawing for Game Art	N		Suggestion that GESLOs can be reduced or eliminated, reading sample assignment more course specific, TBA content
Substantial modification to the game art programs have resulted in the consolidation and streamlining of several courses. This course represents the merging and retooling of GAM 31 and GAM 49:				
GAM-81	3D Modeling and Texturing	N		Suggestion that GESLOs can be reduced or eliminated, reading sample assignment more course specific, TBA content
Due to major changes to the game art programs, there has been the need for consolidation and streamlining of our courses. This course merges and retools content from GAM 34, 47, and 48:				
GAM-82	Game Rigging and Animation	N		Suggestion that GESLOs can be reduced or eliminated, reading sample assignment more course specific, TBA content
Creating new MIS Work Experience course to go with new discipline:				
MIS-200	Music Industry Studies Work Experience	N		
These courses will replace NVN-55. Splitting into 2 courses (Pathophysiology and Introduction to Vocational Nursing/Nutrition) rather than one course covering all 3 content areas. The hope is to allow for more flexible offerings of the courses for our students:				
NVN-55A	Vocational Nursing Practice and Nutrition Across the Lifespan	R		
NVN-55B	Principles of Pathophysiology	R		

These courses will be placed on hold to better delineate the A and B courses and suggestion to make them CID compliant:

These courses will replace MIS-10 by creating two leveled courses in the new MIS discipline:				
MIS-10A	Norco Choir I	N		
MIS-10B	Norco Choir II	N		
These courses will replace MIS-11 by creating two leveled courses in the new MIS discipline:				
MIS-11A	Studio Arts Ensemble I	N		
MIS-11B	Studio Arts Ensemble II	N		

D. Course Inclusion: None

E. Distance Education: MSC Burchett/Quin forward the following to the college curriculum committees for approval or information

	Title	Location	Action	Comment
DEA-22	Introduction to Supervised Externships	M		Hybrid
DEA-32	Intermediate Supervised Externships	M		Hybrid

F. Minor Course Modifications:

The following was put in the hold bucket so more detail could be added to the MOE and sample assignments so they are more integrated and course specific:

	Title	Location	Action	Comment
Course is being modified to update the course materials:				
DEA-30	Intermediate Chairside Dental Assisting	M		

Suggestion to link the SLOs to the new GESLOs and move it forward as a major modification. Changes requested at last meeting for BUS-86 have not been completed.

	Title	Location	Action	Comment
The following course is being modified to update the sample assignments and course materials:				
CIS-5	Programming Concepts and Methodology I: C++	MNR		Crosslisted with CSC-5
The course is being modified to update the course materials:				
BUS-86	Transportation and Traffic Management	N		

G. Major Modifications: MSC Johnson/Quin forward the following to the college curriculum committees for approval or information after the suggested changes have been completed:

	Title	Location	Action	Comment
The following course is being modified to update the course description, SLOs, course content, MOE, sample assignments and course materials to be CID compliant:				
CIS-1A	Introduction to Computer Information Systems	MNR		
The following course is being modified to update the course description, SLOs, course content, MOI, and course materials to be CID compliant:				

	Title	Location	Action	Comment
CIS-2	Fundamentals of Systems Analysis	MNR		Crosslisted CSC-2
The following course is being modified to change the title from "Introduction to Data Communications," to change the prerequisite to an advisory, to update the course description, SLOs, course content, MOE, sample assignments and course materials to be CID compliant:				
CIS-25	Information & Communication Technology Essentials	R		CSC-25
The following course is being modified to change the prerequisite, to update the course description, SLOs, course content, and course materials to be CID compliant:				
CIS-26A	Cisco Networking Academy 1A	R		Suggestion to level the course content
The following course is being modified to update the course description, SLOs, course content, and course materials to be CID compliant:				
CIS-26B	Cisco Networking Academy 1B	R		
The following course is being modified to change the laboratory hours from 0 to 18, to update the course description, SLOs, course content, and course materials to be CID compliant:				
CIS-61	Introduction to Database Theory	MNR		CSC-61
The following course is being modified to update the course description, SLOs linkages, course content, and course materials:				
CIS-78A	Introduction to Adobe Photoshop	MNR		Crosslisted with CAT-78A
The following course is being modified to change the units from 4 to 4.5, to change the laboratory hours from 54 to 81, SLOs, course content, MOE, sample assignments and course materials:				
DEA-10	Introduction to Dental Assisting and Chairside Assisting	M		
The following course is being modified to update the SLOs, course content, and course materials:				
DEA-20	Infection Control for Dental Assistants	M		
The following course is being modified to change the units from 2 to 2.5, to change the lecture hours from 18 to 27, update the SLOs, course content, and course materials:				
DEA-21	Introduction to Radiology for Dental Assistants	M		
The following course is being modified to change the laboratory hours from 54 to 70, update the SLOs, course content, MOE, and course materials:				
DEA-22	Introduction to Supervised Externships	M		Suggestion to make reading assignment more course specific
The following course is being modified to update the SLOs, course content, and course materials:				
DEA-23	Introduction to Dental Sciences	M		
The following course is being modified to change the laboratory hours from 54 to 64, update the SLOs, and course materials:				
DEA-24	Dental Materials for the Dental Assistant	M		
The following course is being modified to change the units from 1.5 to 1, to change the lecture hours from 18 to 9, to update the SLOs, course content, and course materials:				
DEA-31	Radiology for Dental Assistants	M		

	Title	Location	Action	Comment
The following course is being modified to change the prerequisite to add DEA-10, and course materials:				
DEA-32	Intermediate Supervised Externships	M		
The following courses are being modified to update the SLOs, and course materials:				
DEA-40A	Advanced Chairside Surgical Dental Assistant	M		Suggestion to make reading assignment more course specific
DEA-40B	Advanced Chairside Orthodontic Dental Assistant	M		Suggestion to make reading assignment more course specific
The following course is being modified to change the limitation on enrollment, and to update the course materials:				
DEA-40C	Advanced Chairside Restorative Dental Assistant	M		Suggestion to make reading assignment more course specific
The following course is being modified to update the SLOs, and course materials:				
DEA-41	Dental Office Procedures	M		Suggestion to make reading assignment more course specific
The following course is being modified to change the title from "Internship in Infant and Toddler Care," update the course description, SLOs, course content, MOE, and course materials:				
EAR-35	Practicum in Infant and Toddler Care	MNR		Suggestion to add TBA content
The following course is being modified to change the title from "Microprocessors," to change the units from 4 to 3, to change the lecture hours from 54 to 36, to update the course description, SLOs, course content, MOI, MOE, sample assignments and course materials:				
ELE-26	Microcontrollers	N		Changes requested to remove attendance from the MOE
The following course is being modified to change the title from "Residential Wiring for Electricians," to update the course description, SLOs, course content, MOI, MOE, sample assignments and course materials:				
ELE-71	Residential Electrical Wiring	N		Changes requested to remove attendance from the MOE
The following course is being modified to change the title from "Commercial and Industrial Electrical," to update the course description, SLOs, course content, MOI, MOE, sample assignments and course materials:				
ELE-72	Commercial and Industrial Electrical Wiring	N		Changes requested to remove attendance from the MOE
The following course is being modified to change the title from "Electric Motors for Electricians," to update the short description, SLOs, course content, MOI, MOE, sample assignments and course materials:				
ELE-73	Electric Motors and Transformers	N		Changes requested to remove attendance from the MOE
The following course is being modified to change the title from "Industrial Electrical Automation," to update the course description, SLOs, course content, MOI, MOE, sample assignments and course materials:				
ELE-74	Industrial Wiring and Controls	N		Changes requested to remove attendance from the MOE
The following course is being modified to change the title from "Electronics for Electricians," to change the units from 4 to 3, change the lecture hours from 54 to 36, to update the course description, SLOs, course content, MOI, MOE, and course materials:				
ELE-75	Solid State Devices and Lighting Controls	N		Changes requested to remove

	Title	Location	Action	Comment
				attendance from the MOE
The following course is being modified to change the title from “Electrician Specialties,” to change the units from 4 to 3, to change the lecture hours from 54 to 36, update the SLOs, MOI, MOE, and course materials:				
ELE-76	Low Voltage Wiring and Alternate Energy Generation	N		Changes requested to remove attendance from the MOE
The following course is being modified to change the title from “Survey of Electrical Trades,” to change the units from 4 to 3, to change the laboratory hours from 54 to 0, update the course description, SLOs, course content, MOI, MOE, sample assignments and course materials:				
ELE-77	Electrical Theory	N		
The following course is being modified to update the SLOs, course content, sample assignments and course materials:				
ESL-71	Basic Reading and Vocabulary	MNR		Link entry skills
The following courses are being modified to change the advisory, to update the SLOs, course content, and course materials:				
ESL-72	Intermediate Reading and Vocabulary	MNR		Link entry skills
ESL-73	High Intermediate Reading and Vocabulary	MNR		
The following course is being modified to update the SLOs, course content, MOI, MOE, sample assignments and course materials:				
ESL-90D	Special Topics in ESL: Verb Tense Review	MNR		
The following course is being modified to update the SLOs, MOI, MOE, sample assignments and course materials:				
ESL-91	Oral Skills I: Beginning Oral Communication	MNR		
The following course is being modified to change the advisory, to update the SLOs, MOI, MOE, sample assignments and course materials:				
ESL-92	Oral Skills II: Intermediate Oral Communication	MNR		
The following course is being modified to change the advisory, to update the SLOs, course content, MOE, sample assignments and course materials:				
ESL-93	Oral Skills III: Advanced Oral Communication	MNR		
The following course is being modified to update course content, MOI, MOE, sample assignments and course materials:				
ESL-95	Pronunciation and Accent Reduction	NR		
The following course is being modified to change the advisory, to update the SLOs, course content, sample assignments and course materials to be CID compliant:				
FST-1	Introduction to Film Studies	MR		
The following courses are being modified to change the prerequisite to GAM-81, and to update the SLOs:				
GAM-32	Designing Game Characters	N		Suggestion that GESLOs can be reduced or eliminated, reading sample assignment more course specific, TBA content

	Title	Location	Action	Comment
GAM-41	Game Asset and Engine Integration	N		Suggestion that GESLOs can be reduced or eliminated, reading sample assignment more course specific, TBA content content
The following course is being modified to change the prerequisite to GAM-81:				
GAM-46	Environment and Vehicle Modeling	N		Suggestion that GESLOs can be reduced or eliminated, reading sample assignment more course specific, TBA content
The following course is being modified to remove the corequisite, to change the units from 1 to 2, to change the laboratory hours from 6 to 54, to change the title from "Computer Skills for Game Art," to update the SLOs, course content, MOI, MOE, and sample assignments :				
GAM-70	Game Development Basics	N		Suggestion that GESLOs can be reduced or eliminated, reading sample assignment more course specific, TBA content
The following courses are being modified to change the prerequisite to GAM-80:				
GAM-71	Perspective for Game and Animation	N		Suggestion that GESLOs can be reduced or eliminated, reading sample assignment more course specific, TBA content
GAM-72	Anatomy for Game Art	N		Suggestion that GESLOs can be reduced or eliminated, reading sample assignment more course specific, TBA content
The following course is being modified to change the prerequisite to GAM-81:				
GAM-73	Storyboarding for Games	N		Suggestion that GESLOs can be reduced or eliminated, reading sample assignment more course specific, TBA content
The following course is being modified to change the prerequisite to GAM-33 and 82:				
GAM-79B	Game Studio: Character Modeling	N		Suggestion that GESLOs can be reduced or eliminated, reading sample assignment more course specific, TBA content
The following courses are being modified to update the SLOs, course content, MOI, MOE, sample assignments and course materials:				
KIN-4	Nutrition	MNR		Suggestion to make reading assignment more course specific
KIN-16	Introduction to Athletic Training	NR		
The following courses are being modified to change the corequisite, to update the SLOs, and course materials:				
KIN-17	Athletic Training, Fall Sports, Lower Extremity	R		
KIN-18	Athletic Training, Spring Sports, Upper Extremity	R		

	Title	Location	Action	Comment
KIN-19	Athletic Training, Fall Sports, Head, Neck, Spine, Torso, and Hip	R		
KIN-20	Athletic Training, Spring Sports, General Medical	R		
The following course is being modified to change the lecture hours from 45 to 36, the laboratory hours from 27 to 54, to update the SLOs, course content, sample assignments and course materials:				
KIN-35	Foundation for Fitness and Wellness	MNR		
The following course is being modified to update the course description, SLOs, course content, MOI, MOE, sample assignments and course materials:				
KIN-36	Wellness: Lifestyle Choices	MNR		
The following courses are being modified to change the units from 2 to 3, to update the course description, SLOs, and course materials:				
KIN-V07	Golf, Varsity, Men	R		
KIN-V22	Fastpitch, Varsity, Women	R		
The following course is being modified to update the course description, SLOs, course content, MOI, MOE, and course materials:				
PHO-9	Intermediate Photography	R		Suggestion to link additional entry skills to PHO-20
The following course is being modified to change the prerequisite, to update the course description, and course materials:				
PHO-12	Photojournalism	MR		Suggestion to link additional entry skills to PHO-20
The following course is being modified to change the title from "Rapid Reading," to update the course description, course content, MOI, MOE, sample assignments and course materials:				
REA-2	Flexible Reading	MNR		

The following will be placed on hold:

The following course is being modified to update the SLOs, course content, MOI, MOE, and course materials:				
REA-887	Reading Clinic	NR		

H. Course Exclusions: Major Modifications: MSC Burchett/Johnson forward the following to the college curriculum committees for approval or information:

	Title	Location	Action	Comment
These courses have either never been offered or have not been offered in many years and there are no plans to offer them in the future:				
ART-3	Art for Teachers	N		
ART-30A	Printmaking-Introduction	N		
ART-34	Studio Three Dimensional Design	N		
ART-35A	Illustration - Beginning	N		

ART-38	Studio Illustration	N		
ART-41A	Figure Painting-Introduction	N		
ART-44A	Beginning Animation Principles	N		
ART-44B	Intermediate Animation Principles	N		
ART-44C	Advanced Animation Principles	N		
ART-50A	Beginning Storyboarding	N		
ART-50B	Intermediate Storyboarding	N		
ART-51A	Beginning Animation Production	N		
ART-51B	Intermediate Animation Production	N		
ART-8	Mexican Art History	N		
CHI-1	Mandarin Chinese 1	N		
CHI-11	Culture and Civilization	N		
CHI-2	Chinese 2	N		
DAN-5	Introduction to Movement Education for Preschool and Elementary Children	N		
DAN-D19	Conditioning for Dance	N		
DAN-D20	Introduction to Social Dance	N		
DAN-D30	Social Dance Styles	N		
DAN-D31	Hip-Hop Dance, Beginning	N		
DAN-D32	Jazz, Beginning	N		
DAN-D33	Jazz, Intermediate	N		
DAN-D37	Modern Dance, Beginning	N		
DAN-D38	Modern Dance, Intermediate	N		
DAN-D43	Tap, Beginning	N		
DAN-D44	Tap, Intermediate	N		
DAN-D60	Dance Techniques for Musical Theater	N		
FRE-11	Culture and Civilization	N		
FRE-3	French 3	N		
HUM-16	Arts and Ideas: American Culture	N		
JPN-11	Culture and Civilization	N		

JPN-3	Japanese 3	N		
JPN-4	Japanese 4	N		
MUS-1	Teaching Music to Young Children	N		
MUS-26	Film Music Appreciation	N		
MUS-34	Vocal Jazz Lab	N		
MUS-35	Vocal Music Ensembles	N		
MUS-43A	Jazz Improvisation and Theory I	N		
MUS-43B	Jazz Improvisation and Theory II	N		
MUS-43C	Jazz Improvisation and Theory III	N		
MUS-51	Men's Ensemble	N		
MUS-72	Group Keyboarding Skills	N		
MUS-73	Vocal Jazz Singers	N		
MUS-77	Guitar Ensemble	N		
MUS-83	Advanced Chamber Choir	N		
MUS-P44	Jazz Lab Band	N		
PHO-20	Introduction to Digital Photography	N		Will not have a PHO discipline at Norco
SPA-13	Spanish for Health Care Professionals	N		
THE-2	Play Practicum-Special Projects Laboratory I	N		
THE-25	Makeup for the Stage	N		
THE-30	Voice and Movement for the Stage	N		
THE-36	Improvisational Acting	N		
THE-38	Auditioning for the Stage	N		
THE-4	Play Practicum-Special Projects Lab II	N		
THE-6	Advanced Theater Practicum	N		
THE-9	Dramatic Literature-Script Analysis	N		

I. Course Deletions: MSC Burchett/Johnson forward the following to the college curriculum committees for approval or information:

	Title	Location	Action	Comment
These courses are no longer to be offered since the Architecture degree was discontinued last year:				

ARE-26	Architectural Rendering	N		
ARE-28	Perspective Drawing	N		
These courses are only included in the Norco College catalog. They have been superseded by other courses and are not in any current certificate or degree pattern; they have not been offered for at least two years; there are no plans to schedule these classes or to maintain the course outlines:				
CIS-16A	Programming Games with DirectX, OpenGL	N		
CSC-16A	Programming Games with DirectX, OpenGL	N		
These courses are crosslisted with GAM which will remain in the inventory and the CIS/CSC courses are no longer needed:				
CIS-24	Video Game Prototyping	N		
CIS-50	Introduction to Game Programming	N		
CSC-52	Game Engine Scripting I	N		
CSC-53	Game Engine Scripting II	N		
Neither Norco College or Riverside City College plan on offering this course in the future:				
ENG-57	Basic Literature and Composition	NR		
These courses have been replaced by a new one and not part of any GAM program:				
GAM-31	31 Introduction to 3D Modeling	N		GAM-81
GAM-34	Character Rigging	N		GAM-82
GAM-38C	Simulation Gaming/3D Dynamics and Rendering for Real-Time Interactive Simulations	N		
GAM-42	PhotoShop for Game Art and Animation	N		GAM-80
GAM-43	Survey of Media Art for Game Design/Animation	N		
GAM-47	Introduction to 3D Animation	N		GAM-82
GAM-48	3D Character Animation	N		GAM-82
GAM-49	Game Modeling and Texturing	N		GAM-81
This course was part of the 3D Animation program, which is being discontinued, therefore, this course is no longer needed:				
GAM-79A	Game Studio: Animation	N		
This course has not been offered for several years, and the discipline does not plan to offer it in the future:				
REA-95	Special Topics in Reading	R		

- O. New State Approved Degree:
 - a. Quality Assurance (R)
 - b. Sound & Communication Systems Installer Apprenticeship (N)
- P. New Locally Approved Certificate: None

- Q. State/Locally Approved Certificate/Degree Modifications:
 - a. Communication Studies for Transfer (N)
 - b. Electrician (N)
 - c. Game Art Character Modeling (N)
 - d. Game Art Environments and Vehicles (N)
 - e. Industrial Automation (N)
 - f. Music Industry Studies (N)
- R. Discussion
 - None

PROGRAM OUTLINE OF RECORD
NEW DEGREE/CERTIFICATES

College: Riverside City

Quality Assurance Level I

Program Description:

This Level I certificate provides students with the technical knowledge and skills to perform inspection and testing procedures in a production environment. Students will be able to read and interpret industrial drawings, perform mathematical calculations, and determine product suitability for use. These skills are also transferable to the service sector when employers apply national and international standards of quality service and management.

Certificate program

Program Learning Outcomes

- Identify, assess, and evaluate the skills required to work effectively in a team oriented problem solving environment using contemporary quality tools and methods.
- Evaluate products and processes to determine suitability for use in accordance with written standards and specifications.
- Determine business performance based on physical observation, evaluations and calculations.

Required Courses (12 units total)	Units	
MAG-46	Contemporary Quality Systems Management	3 units
MAG-70 MAG-73	Introduction to Organization Development	3 units
	Quality Inspection and Test	3 units

Optional courses, select another 3 units from the following:

MAG-47	Applied Business and Management Ethics	3 units
BUS-20	Business Math	3 units

Quality Assurance Level II

Program Description:

This Level II certificate adds to the knowledge and skills of the Level I certificate completers enabling them to apply statistical analysis to evaluate and control business processes. Additional analytical tools provide methods for the determination of process capability.

Certificate Program

Program Learning Outcomes

- Analyze current business processes and develop statistically valid graphical representations of performance and be able to predict future performance
- Effectively select process improvement tools to analyze current business practices, determine problem areas and establish a plan to improve business performance.

Required Courses (18 units total)	Units	
MAG-46	Contemporary Quality Systems Management	3 units
MAG-70	Introduction to Organization Development	3 units
MAG-71	Introduction to Productivity Management	3 units
MAG-73	Quality Inspection and Test	3 units
MAG-74	Statistical Process Control	3 units

Optional courses, select another 3 units from the following:

MAG-47	Applied Business and Management Ethics	3 units
BUS-20	Business Math	3 units

Quality Assurance Process Analyst

Program Description:

The Quality Assurance Process Analyst solves quality problems and is involved in quality improvement projects in either manufacturing or service industries. Advanced statistical analysis is included to compare and optimize business performance

Certificate Program

Program Learning Outcomes

- Analyze data to describe process performance using descriptive and inferential statistics.
- Evaluate, interpret and follow international standards of quality management systems.

Required Courses (21 units total)		Units
MAG-46	Contemporary Quality Systems Management	3 units
MAG-70	Introduction to Organization Development	3 units
MAG-71	Introduction to Productivity Management	3 units
MAG-72	Introduction to Quantitative Methods	3 units
MAG-73	Quality Inspection and Test	3 units
MAG-74	Statistical Process Control	3 units

Optional courses, select another 3 units from the following:

MAG-47	Applied Business and Management Ethics	3 units
BUS-20	Business Math	3 units

Quality Assurance Inspector

Program Description:

This certificate expands on three Quality Assurance certificates by adding the knowledge and skills of Measurement Systems Analysis, inspection systems, traceability, Failure Modes and Effects Analysis, and corrective action. Students should be able to obtain employment as process or product inspectors in manufacturing or service fields.

Certificate Program

Program Learning Outcomes

- Perform Measurement System Analysis according to internationally recognized standards to identify sources of measurement error.
- Complete the process improvement cycle for Six Sigma or Lean methodologies.
- Apply corrective and preventative action measures to business processes.

Required Courses (27 units total)		Units
MAG-46	Contemporary Quality Systems Management	3 units
MAG-70	Introduction to Organization Development	3 units
MAG-71	Introduction to Productivity Management	3 units
MAG-72	Introduction to Quantitative Methods	3 units
MAG-73	Quality Inspection and Test	3 units
MAG-74	Statistical Process Control	3 units
MAG-76	Metrology	3 units
MAG-77	Problem Solving and Improvement	3 units

Optional courses, select another 3 units from the following:

MAG-47	Applied Business and Management Ethics	3 units
BUS-20	Business Math	3 units

Quality Assurance Auditor Program

Description:

This certificate provides the fundamental knowledge of the concepts and conduct of quality auditing. Students will understand the standards and principles of auditing and the techniques of examining, questioning, evaluating and reporting quality system adequacy. The focus is on internationally recognized standards.

Program Learning Outcomes

- Properly applying auditing techniques in evaluating process performance, product fitness to improve business performance.
- Design auditing plans to verify and validate quality system performance when compared to existing standards, policies and procedures.
- Develop audit plans capable of assessing business processes and quality systems.
-

Required Courses (30 units total)			Units
MAG-46	Contemporary Quality Systems Management	3 units	
MAG-70	Introduction to Organization Development	3 units	
MAG-71	Introduction to Productivity Management	3 units	
MAG-72	Introduction to Quantitative Methods	3 units	
MAG-73	Quality Inspection and Test	3 units	
MAG-74	Statistical Process Control	3 units	
MAG-76	Metrology	3 units	
MAG-75	Quality Auditing	3 units	
MAG-77	Problem Solving and Improvement	3 units	

Optional courses, select another 3 units from the following:

MAG-47	Applied Business and Management Ethics	3 units
BUS-20	Business Math	3 units

Associate of Science Degree

The Associate of Science Degree in Quality Assurance will be awarded upon completion of the Level I and Level II requirements as well as the requirements for Quality Assurance Process Analyst and Quality Assurance Inspector and the general education requirements as described in the college catalog.

PROGRAM OUTLINE OF RECORD
NEW DEGREE/CERTIFICATES

College: R M N X
TOPs: 0934.30

Sound and Communication Systems Installer Apprenticeship

This is a three-year apprenticeship program. Applications for Riverside/San Bernardino/ Mono/Inyo counties should apply to the Riverside and San Bernardino Joint Electrical Apprenticeship Training Committees, 1855 Business Center Drive, San Bernardino, CA 92408. Telephone: (909) 890-1703.

PROGRAM LEARNING OUTCOMES

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

- Apply a working knowledge of math formulas to perform complex solution related to the electrical trades, along with blueprint symbols and drawings of wiring diagrams with common schematic symbols.
- Analyze a circuit of electrical device(s) with the appropriate meters or testing equipment so that troubleshooting of common system faults can be detected and repaired.
- Demonstrate electrical wiring of circuits or devices to meet the standards and requirements of the National Electrical Code.

Required Courses (37 units)

Course	Title	Units
ELE-420	Introduction to Sound/Communication Trade Industry	3.5
ELE-421	Electrical Theory and Practices DC	3.5
ELE-422	Electrical Theory and Practices AC	3.5
ELE-423	Semiconductor Electronics	3.5
ELE-424	Introduction to Digital Electronics and Signaling Devices	3.5
ELE-425	Management/Alarms/Codes/Circuits	3.5
ELE-499	Work Experience: Electricians Apprenticeship (4 units x 4)	16
Total		37

Associate of Science Degree

The Associate of Science Degree in Sound and Communication Systems Installer Apprenticeship will be awarded upon completion of the degree requirements, including general education and other graduation requirements as described in the college catalog.

PROGRAM OUTLINE OF RECORD
PROGRAM MODIFICATION

Communication Studies for Transfer

(CSUGE)NAA587 (IGETC)NAA588

The Associate in Arts in Communication Studies for Transfer degree provides opportunity for students to transfer to a CSU with junior standing. The degree encourages students to examine and evaluate human communication across and within various contexts for the purpose of increasing competence.

Program Learning Outcomes

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

- Synthesize communication principles and theories to develop communication competence to improve human interaction.
- Apply and analyze rhetorical principles for a variety of purposes adapting to audience and context.
- Understand the theoretical and practical relationships between and among symbols, culture and gender to competently create, interpret and/or evaluate messages.

Required Courses (18-19 units)	Units
COM-1*/1H* Public Speaking/Honors	3
COM-9*/9H* Interpersonal Communication/ Honors	3
Electives from Group A	3
Electives from Group B	6
Electives from Group C	3-4

Electives Group A (3 units)

COM-3* Argumentation and Debate	3
COM-6* Dynamics of Small Group Communication	3

Electives Group B (6 units)

Any course not applied in group A

COM-2* Persuasion in Rhetorical Perspective	3
COM-7* Oral Interpretation of Literature	3
COM-12* Intercultural Communication	3
COM-20 Introduction to Communication Theory	3
JOU-7* Mass Communications	3

Electives Group C (3-4 units)

Any course not applied in group A or B above

COM-11* Storytelling	3
COM-13* Gender and Communication	3
ANT-2* Cultural Anthropology	3
ENG-1B*/1BH* Critical Thinking and Writing/Honors	4
MAT12*/12H* Statistics/Honors	4
PSY-1* General Psychology	3
SOC-1*/1H* Introduction to Sociology/ Honors	3

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

Associate in Arts for Transfer Degree

The Associate in Arts in Communication Studies for Transfer degree awarded upon completion of 60 semester CSU-transferable units; the California State University-General Education-Breadth pattern (CSU GE-Breadth) or the Intersegmental General Education Transfer Curriculum (IGETC) pattern; a minimum of 18 semester or 27 quarter units in the major or area of emphasis as determined by the community college district; obtainment of a minimum grade point average (GPA) of 2.0; earn a grade of C or better in all courses required for the major or area of emphasis. (Students completing this degree are not required to fulfill the RCCD graduation requirements found in section VII. Additional degree requirements: Health Education and Self Development)

PROGRAM OUTLINE OF RECORD
PROGRAM MODIFICATION

DENTAL ASSISTANT

This program prepares individuals to provide patient care, take dental radiographs (x-ray), prepare patients and equipment for dental procedures, as well as discharge office administrative functions under the supervision of dentists and dental hygienists. This includes instruction in dental record-keeping, general office duties, reception and patient intake, scheduling, equipment maintenance and sterilization, dental radiography, pre and post-operative patient care and instruction, chair-side assisting, taking tooth and mouth impressions, and supervised practice.

DENTAL ASSISTANT (M)

MAS621/MAS621B/MAS621C/MCE621

Certificate Program

Program Learning Outcomes

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

- Collect diagnostic data and perform clinical supportive treatments as outlined by the State Dental Practice Act.
- Perform business office procedures as related to dental practices.
- Adhere to the ADAA's Code of Ethical Conduct and apply this to established ethical, legal and regulatory concepts for dental assisting.
- Apply self-assessment skills to promote life-long learning.
- Demonstrate interpersonal and communication skills to effectively interact with diverse population.

Required Courses (32.5 units)

Units

Fall: DEA-

10	Introduction to Dental Assisting and Chairside Assisting	4.5
DEA-20	Infection Control for Dental Assistants	2
DEA-21	Introduction to Radiology for Dental Assistants	2.5
DEA-22	Introduction to Supervised Externships	1.5
DEA-23	Introduction to Dental Sciences	3
DEA-24	Dental Materials for the Dental Assistant	2

Winter:

DEA-30	Intermediate Chairside Dental Assisting	2
DEA-31	Radiology for Dental Assistants	1.5
DEA-32	Intermediate Supervised Externships	1

Spring:

DEA-40A	Advanced Chairside Surgical Dental Assistant	3.5
DEA-40B	Advanced Chairside Orthodontic Dental Assistant	3
DEA-40C	Advanced Chairside Restorative Dental Assistant	5
DEA-41	Dental Office Procedures	1.5

Associate of Science Degree

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

PROGRAM OUTLINE OF RECORD
PROGRAM MODIFICATION

College: R M N X

Electrician

This program prepares residents to become an entry-level Electrician Trainee and along with California state requirements prepares for careers as an Electrician, Electrical Apprentice, Electrician's Helper, Industrial Electrician, Journeyman Electrician, and Residential Electrician. Courses are aligned with California state standards to prepare students to earn their Electrician Training card (<http://www.dir.ca.gov/dlse/ecu/electricaltrainee.htm>).

PROGRAM LEARNING OUTCOMES

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

- ~~Plan, construct and explain safe and proper electrical circuits, using industry standard components, according to supplies blueprints and verbal instructions, while following National Electrical Code (NEC) and OSHA rule.~~
- ~~Describe the general principles of direct or alternating current pertaining to a DC motor, AC motor, or Generator.~~
- ~~Demonstrate bandaging and splinting techniques for the care of wounds, burns, sprains, dislocations and emergency rescue moves only when necessary.~~
- ~~Troubleshoot and repair a given, complex configuration of electrical and electronic circuit combinations and create a written report of everything that was done to affect repairs, including necessary interactions with programmable devices.~~
- Demonstrate the installation maintenance and troubleshooting of electrical devices (switches, sensors, motor, controllers, and lights)
- Explain how the electrical grid works, from generation to the end user.
- Solve electrical design criteria by using formula, and tables for proper electrical installation.
- Demonstrate electrical raceway sizing and installation, meeting NEC requirements for sizing, location requirements, distances, supports and bending.
- Demonstrate quantitative analysis of electrical circuits for blueprints.
- Demonstrate electrical wiring of circuits or devices to meet the standards and requirement of the NEC

Required Courses:

	<u>Units</u>
ELE-77: Survey of Electrical Trades Electrical Theory	4/3
MAN-55: Occupational Safety and Health Administration (OSHA) Standards for General Industry	2
CON-62: Blueprint reading 3 CON-60: Introduction to Construction	3
CON-66: National Electrical Code	3
KIN-30: First Aid and CPR	3
In addition, choose and complete courses from one emphasis below:	

Residential Construction Emphasis (12 units)

ELE-71: Residential Electrical Wiring for Electricians	4
ELE-73: Electric Motors for Electricians and Transformers	4
ELE-75: Electronics for Electricians Solid State Devices and Motor and Lighting Controls	4/3.5

Industrial Plant Emphasis (12 units)

ELE-64: Programmable Logic Controllers	4
ELE-72: Commercial and Industrial Electrical Wiring	4
ELE-74: Industrial Electrical Automation Wiring and Controls	4
ELE-76 Low Voltage and Alternate Energy Generation	3.5
ELE-60 Math for Engineering Technology	3

Total Units: **~~30~~/32**

Associate of Science Degree

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

PROGRAM OUTLINE OF RECORD
PROGRAM MODIFICATION

Game Art: Character Modeling

TOPS: 0614.20

Students completing the Game Art: Character Modeling program will possess advanced knowledge of digital modeling as well as applied skills in rigging and materials. Students will gain skills in figure drawing and the application into a game environment. The final course of this program is a capstone project where students work in an interdisciplinary team with students from the other tracks of the game development programs to create a complete, original game ready to publish. Students will complete the program with a polished portfolio and be prepared to enter the workforce as a Character Modeler, Environment Modeler, Lighting Artist, or 3D Artist.

PROGRAM LEARNING OUTCOMES

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

- Understand and utilize the production pipeline and workflow between Maya and ZBrush for modeling characters for use in Game, Animation and Simulation.
- Analyze and construct bipedal, quadruped and anthropomorphic character models for use in Game, Animation and Simulation.
- Utilize the industry standard techniques of Maya and ZBrush to create both low poly and high poly models for use in Game, Animation and Simulation.
- Produce industry quality character models that demonstrate a thorough understanding of anatomy and proportion as well as proper topology flow as it pertains to modeling characters for use in Game Animation and Simulation.
- Analyze, differentiate, and construct character models that demonstrate an understanding of standard industry artistic styles such as hyper-realism, cartoony and stylized design.
- Demonstrate mastery of interdisciplinary communication and team skills while working with colleagues in an industry standard production project.
- Create an industry standard portfolio and demo reel containing 3D character models developed in class projects.

Required Courses

Required Course	Title	Units
GAM-21	History of Video Games	3.0
GAM-32	Designing Game Characters	3.0
GAM-33	Advanced Digital Sculpting	3.0
GAM-35	Introduction to Simulation and Game Development	3.0
GAM-41	Game Asset and Engine Integration	3.0
GAM/CIS-44	Portfolio Production	2.0
GAM-70	Game Development Basics	2.0
GAM-71	Perspective for Game and Animation	3.0
GAM-72	Anatomy for Game Art	3.0
GAM-73	Storyboarding for Games	3.0
GAM-79B	Game Studio: Character Modeling	4.0
GAM-80	Digital Drawing for Game Art	4.0
GAM-81	3D Texturing and Modeling	4.0
GAM-82	Game Rigging and Animation	4.0
Total		44.0

PROGRAM OUTLINE OF RECORD
PROGRAM MODIFICATION

Game Art: Environments and Vehicles

TOPS: 0614.20

Students completing the Game Art: Environment and Vehicles certificate will be well qualified to create larger scale modeling including environments, props, vehicles, as well as indoor and specialized enclosures in video game worlds. The final course of this program is a capstone project where students work in an interdisciplinary team with students from the other tracks of the game development programs to create a complete, original game ready to publish. Students will complete the program with a polished portfolio and be prepared to enter the workforce as a 3D Environments Artist, Prop Modeler, Level Builder or Junior Modeler.

PROGRAM LEARNING OUTCOMES

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

- Employ the proper use of industry standard terminology to describe geometry and scenes in a 3D environment
- Utilize both polygonal and nurbs modeling to create 3D hard surface and organic objects for use in game, animation and simulation environments
- Create digital vehicles, terrains and environments to scale according to a specific art style direction containing aspects of realism, futuristic and fantasy based design and function.
- Demonstrate mastery of interdisciplinary communication and team skills while working with colleagues in an industry standard production project.
- Create an industry standard portfolio and demo reel containing 3D environments and vehicle models developed in class projects

Required Courses

Required Course	Title	Units
GAM-21	History of Video Games	3.0
GAM-35	Introduction to Simulation and Game Development	3.0
GAM-41	Game Asset and Engine Integration	3.0
GAM/CIS-44	Portfolio Production	2.0
GAM-46	Environment and Vehicle Modeling	3.0
GAM-70	Game Development Basics	2.0
GAM-71	Perspective for Game and Animation	3.0
GAM-73	Storyboarding for Games	3.0
GAM-79C	Game Studio: Environments and Vehicles	4.0
GAM-80	Digital Drawing for Game Art	4.0
GAM-81	Texturing and Modeling	4.0
GAM-82	Game Rigging and Animation	4.0
Total		38.0

Electives

None

Units

Total Units:

38.0

PROGRAM OUTLINE OF RECORD
PROGRAM MODIFICATION

College: R M N X

~~AUTOMATED SYSTEMS TECHNICIAN~~

INDUSTRIAL AUTOMATION (N)

NAS737/NCE737 (Revision)

Businesses and other organizations depend on complex electronic equipment for a variety of functions. Industrial controls automatically monitor and direct production processes on the factory floor. Transmitters and antennae provide communication links for many organizations. Industry needs well-trained technicians with the knowledge of how to design, repair and implement new equipment. The **Industrial Automation** program teaches how to use Electronics, Microprocessors, Microcontrollers, Programmable Logic Control and Fluid Power systems to create and program new machinery used in industry. **This certificate prepares students for employment as an automated systems technician, maintenance mechanic, or general maintenance worker.**

Program Learning Outcomes

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

- ~~1. Compose written assignments on occupation safety in general industry.~~
2. Demonstrate the installation maintenance and troubleshooting of Programmable Logic Control systems (PLCs) or Variable Frequency Drives (VFD) PLC modules.
3. Set-up and operate fluid powered valves, cylinders, controls filters, and actuators.
4. Establish a systematic approach to recognizing the essential information given on a blueprint.
5. Solve formulas by using unknowns and apply this knowledge to solve problems encountered in technological areas and various fields of engineering.
6. Write descriptive and operational instructions for nontechnical users of technical information, including occupational safety concerns.
- ~~7. Demonstrate quantitative measurement of electrical circuit parameters; assemble, and test both direct current and alternating current series, parallel, and series parallel circuits.~~
- ~~8. Explain the basic operation of a microprocessor / microcontroller.~~

Required Courses (28 units)		Units
ELE-11	DC Electronics	4
ELE-13	AC Electronics	4
ELE-26	Microprocessors and Microcontrollers	4
ELE-74	Industrial Wiring and Controls	4
ELE/ENE-27	Technical Communications	3
ENE-51	Blueprint Reading	2
ENE-60	Math for Engineering Technology	3
MAN-55	Occupational Safety and Health Administration	2
MAN-60	Hydraulic and Pneumatic Systems	3
MAN/ELE-64	Programmable Logic Controllers	3

PROGRAM OUTLINE OF RECORD
PROGRAM MODIFICATION

College: R M N X
TOPs Code: 1005

Music Industry Studies

The Music Industry Studies certificate is a program designed to provide students with the knowledge and skills necessary for studio recording and live performance in the commercial music industry. Courses allow students to become proficient on an instrument or voice; gain experience as an ensemble member; study the fundamentals of music including sight-reading and piano skills; become familiar with digital and analog music technology; and record and mix in a state-of-the-art multi-track digital recording studio. Classes are taught utilizing industry-standard software and equipment in state-of-the-art facilities. This program prepares students for a wide variety of careers as: instrumentalists, vocalists and audio engineers in studio or live performance settings.

PROGRAM LEARNING OUTCOMES

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

- Demonstrate an understanding of musicianship and music theory.
- Employ music technology to create and refine musical product.
- Sensitively interpret and communicate musical literature as a performer or mixing engineer.
- Collaborate effectively with peers to create new musical works that exhibit quality and craftsmanship.
- Demonstrate a fundamental understanding of intellectual property law as it applies to music.

Required Courses

Units

Core (12 units)

MIS-1A	Beginning Performance Techniques For Studio Recording	2
MIS-1B	Intermediate Performance Techniques For Studio Recording	2
MIS-1C	Advanced Performance Techniques For Studio Recording	2
MUS-3	Fundamentals of Music	3
MUS-93	The Business of Music	3

Choose one of the emphases below 23-25

A - Performance Emphasis (23-24 units)

MUS-39	Applied Music I (2x)	6
MUS-79	Applied Music II(2x)	6

(4 semesters of study)

AND

8 units from the following:

(4 semesters of study)

MIS-10A	Norco Choir I (2x)	4
MIS-10B	Norco Choir II (2x)	4
or		
MIS-11A	Studio Arts Ensemble I (2x)	4
MIS-11B	Studio Arts Ensemble II (2x)	4

AND

3-4 units from the following:

<u>Elective Courses</u>	<u>Units</u>
MIS-7 Introduction to Music Technology	3
MUS-4 Music Theory I	4
MUS-23 History of Rock and Roll	3
MUS-32A Class Piano I	2
MUS-32B Class Piano II	2
MUS-32C Class Piano III	2
MUS-32D Class Piano IV	2

B - Audio Production Emphasis (23-25 units)

MIS-2 Songwriting	2
MIS-3 Digital Audio Production 1	4
MIS-4 Digital Audio Production 2	4
MIS-7 Introduction to Music Technology	3
MIS-12 Live Sound Reinforcement	3
MIS-13 Studio Recording Workshop I	3

AND

4-6 units from the following:

<u>Elective Courses</u>	<u>Units</u>
MUS-4 Music Theory I	4
MUS-23 History of Rock and Roll	3
MUS-32A Class Piano I	2
MUS-32B Class Piano II	2
MUS-32C Class Piano III	2
MUS-38 Beginning Applied Music I	2
MUS-39 Applied Music 1	3
MIS-200 Work Experience	1-4

Total Units: 35-37 units

Technical Review Committee

Draft Agenda
2:30 p.m. December 3, 2015
Spruce Street Conference Room 343

A. Agenda and Minutes Approval

B. New Courses:

	Title	Location	Action	Comment
Due to modifications being made to the art programs, ART classes are no longer a requirement. As such, it is necessary that the amount of learning surrounding digital drawing skills increase. This class is the successor to GAM 42:				
GAM-80	Digital Drawing for Game Art	N		
Substantial modification to the game art programs have resulted in the consolidation and streamlining of several courses. This course represents the merging and retooling of GAM 31 and GAM 49:				
GAM-81	3D Modeling and Texturing	N		
Due to major changes to the game art programs, there has been the need for consolidation and streamlining of our courses. This course merges and retools content from GAM 34, 47, and 48:				
GAM-82	Game Rigging and Animation	N		
These courses will replace MIS-10 by creating two leveled courses in the new MIS discipline:				
MIS-10A	Norco Choir I	N		
MIS-10B	Norco Choir II	N		
These courses will replace MIS-11 by creating two leveled courses in the new MIS discipline:				
MIS-11A	Studio Arts Ensemble I	N		
MIS-11B	Studio Arts Ensemble II	N		
Creating new MIS Work Experience course to go with new discipline:				
MIS-200	Music Industry Studies Work Experience	N		
These courses will replace NVN-55. Splitting into 2 courses (Pathophysiology and Introduction to Vocational Nursing/Nutrition) rather than one course covering all 3 content areas. The hope is to allow for more flexible offerings of the courses for our students:				
NVN-55A	Vocational Nursing Practice and Nutrition Across the Lifespan	R		
NVN-55B	Principles of Pathophysiology	R		

C. New Stand Alone Courses:

	Title	Location	Action	Comment
These courses will be part of an apprenticeship certificate program that is being moved from Palomar College to Norco College in an effort to better serve the Inland Empire residents:				
ELE-420	Intro to Sound/Communication Trade Industry	N		
ELE-421	Electrical Theory and Practices DC	N		
ELE-422	Electrical Theory and Practices AC	N		
ELE-423	Semiconductor Electronics	N		
ELE-424	Intro to Digital Electronics and Signaling Devices	N		
ELE-425	Management/Alarms/Codes/Circuits	N		
ELE-499	Work Experience: Electricians Apprenticeship	N		
These courses will be part of the new California State Fire Marshals Company Officer certification program that starts in December 2016. This program and courses will replace the current Chief Officer certification courses we are now offering. These courses will allow us to continue to meet the career development needs of our Fire Technology students:				
FIT-CFO3A	Human Resources Management Chief Fire Officer	M		
FIT-CFO3B	Budget and Fiscal Responsibilities Chief Fire Officer	M		
FIT-CFO3C	General Administration Functions Chief Fire Officer	M		
FIT-CFO3D	Emergency Service Delivery Responsibilities	M		
The California Office of the State Fire Marshal has implemented new certification requirements that are modeled after the NFPA Professional Qualifications 1041. This requires new curricula be operational by December 31, 2016. Old courses such as Training Instructor 1A will be retired at that date:				
FIT-INS1	Instructor I	M		
FIT-INS2	Instructor II	M		
These are five new courses (the 5 th course has already been approved) which will be combined with six existing courses in order to provide a series of five stackable certificates leading to an Associate of Science degree in Quality Assurance Management. Each certificate follows the body of knowledge presented by internationally recognized certification exams:				
MAG-74	Statistical Process Control	R		
MAG-75	Quality Auditing	R		
MAG-76	Metrology	R		
MAG-77	Problem Solving and Improvement	R		
This course will provide photography students with in-depth training in the understanding and use of photographic editing and printing software to produce professional results:				
PHO-18	Photographic Editing and Printing	R		

	Title	Location	Action	Comment
This course will introduce students to reading fiction in a casual environment:				
REA-95A	The Book Club	MNR		Non-degree credit
REA-95B	The Book Club	MNR		
REA-95C	The Book Club	MNR		
REA-95D	The Book Club	MNR		

D. Course Inclusions: None

E. Distance Education:

	Title	Location	Action	Comment
DEA-22	Introduction to Supervised Externships	M		Hybrid
DEA-32	Intermediate Supervised Externships	M		Hybrid

F. Minor Course Modifications:

	Title	Location	Action	Comment
The following course is being modified to update the sample assignments and course materials:				
CIS-5	Programming Concepts and Methodology I:C++	MNR		Crosslisted with CSC-5
Course is being modified to update the course materials:				
DEA-30	Intermediate Chairside Dental Assisting	M		
The course is being modified to update the course materials:				
BUS-86	Transportation and Traffic Management	N		

G. Major Course Modifications:

	Title	Location	Action	Comment
The following course is being modified to update the course description, SLOs, course content, MOE, sample assignments and course materials:				
CIS-1A	Introduction to Computer Information Systems	MNR		
The following course is being modified to update the course description, SLOs, course content, MOI, and course materials:				
CIS-2	Fundamentals of Systems Analysis	MNR		Crosslisted CSC-2
The following course is being modified to change the title from "Introduction to Data Communications," to change the prerequisite to an advisory, to update the course description, SLOs, course content, MOE, sample assignments and course materials to be CID compliant:				

	Title	Location	Action	Comment
CIS-25	Information & Communication Technology Essentials	R		CSC-25
The following course is being modified to change the prerequisite, to update the course description, SLOs, course content, and course materials:				
CIS-26A	Cisco Networking Academy 1A	R		
The following course is being modified to update the course description, SLOs, course content, and course materials:				
CIS-26B	Cisco Networking Academy 1B	R		
The following course is being modified to change the laboratory hours from 0 to 18, to update the course description, SLOs, course content, and course materials:				
CIS-61	Introduction to Database Theory	MNR		CSC-61
The following course is being modified to update the course description, SLOs linkages, course content, and course materials:				
CIS-78A	Introduction to Adobe Photoshop	MNR		Crosslisted with CAT-78A
The following course is being modified to remove the prerequisite, to change the units from 4 to 4.5, to change the laboratory hours from 54 to 81, SLOs, course content, MOE, sample assignments and course materials:				
DEA-10	Introduction to Dental Assisting and Chairside Assisting	M		
The following course is being modified to update the SLOs, course content, and course materials:				
DEA-20	Infection Control for Dental Assistants	M		
The following course is being modified to change the units from 2 to 2.5, to change the lecture hours from 18 to 27, update the SLOs, course content, and course materials:				
DEA-21	Introduction to Radiology for Dental Assistants	M		
The following course is being modified to change the laboratory hours from 54 to 70, update the SLOs, course content, MOE, and course materials:				
DEA-22	Introduction to Supervised Externships	M		
The following course is being modified to update the SLOs, course content, and course materials:				
DEA-23	Introduction to Dental Sciences	M		
The following course is being modified to change the laboratory hours from 54 to 64, update the SLOs, and course materials:				
DEA-24	Dental Materials for the Dental Assistant	M		
The following course is being modified to change the units from 1.5 to 1, to change the lecture hours from 18 to 9, to update the SLOs, course content, and course materials:				
DEA-31	Radiology for Dental Assistants	M		
The following course is being modified to change the prerequisite to add DEA-10, and course materials:				
DEA-32	Intermediate Supervised Externships	M		
The following courses are being modified to update the SLOs, and course materials:				
DEA-40A	Advanced Chairside Surgical Dental Assistant	M		

	Title	Location	Action	Comment
DEA-40B	Advanced Chairside Orthodontic Dental Assistant	M		
The following course is being modified to change the limitation on enrollment, and to update the course materials:				
DEA-40C	Advanced Chairside Restorative Dental Assistant	M		
The following course is being modified to update the SLOs, and course materials:				
DEA-41	Dental Office Procedures	M		
The following course is being modified to change the title from "Internship in Infant and Toddler Care," update the course description, SLOs, course content, MOE, and course materials:				
EAR-35	Practicum in Infant and Toddler Care	MNR		
The following course is being modified to change the title from "Microprocessors," to change the units from 34 to 3, to change the lecture hours from 54 to 36, to update the course description, SLOs, course content, MOI, MOE, sample assignments and course materials:				
ELE-26	Microcontrollers	N		
The following course is being modified to change the title from "Residential Wiring for Electricians," to update the course description, SLOs, course content, MOI, MOE, sample assignments and course materials:				
ELE-71	Residential Electrical Wiring	N		
The following course is being modified to change the title from "Commercial and Industrial Electrical," to update the course description, SLOs, course content, MOI, MOE, sample assignments and course materials:				
ELE-72	Commercial and Industrial Electrical Wiring	N		
The following course is being modified to change the title from "Electric Motors for Electricians," to update the short description, SLOs, course content, MOI, MOE, sample assignments and course materials:				
ELE-73	Electric Motors and Transformers	N		
The following course is being modified to change the title from "Industrial Electrical Automation," to update the course description, SLOs, course content, MOI, MOE, sample assignments and course materials:				
ELE-74	Industrial Wiring and Controls	N		
The following course is being modified to change the title from "Electronics for Electricians," to change the units from 4 to 3, change the lecture hours from 54 to 36, to update the course description, SLOs, course content, MOI, MOE, and course materials:				
ELE-75	Solid State Devices and Lighting Controls	N		
The following course is being modified to change the title from "Electrician Specialties," to change the units from 4 to 3, to change the lecture hours from 54 to 36, update the SLOs, MOI, MOE, and course materials:				
ELE-76	Low Voltage Wiring and Alternate Energy Generation	N		
The following course is being modified to change the title from "Survey of Electrical Trades," to change the units from 4 to 3, to change the laboratory hours from 54 to 0, update the course description, SLOs, course content, MOI, MOE, sample assignments and course materials:				
ELE-77	Electrical Theory	N		
The following course is being modified to update the SLOs, course content, sample assignments and course materials:				
ESL-71	Basic Reading and Vocabulary	MNR		

	Title	Location	Action	Comment
The following courses are being modified to change the advisory, to update the SLOs, course content, and course materials:				
ESL-72	Intermediate Reading and Vocabulary	MNR		
ESL-73	High Intermediate Reading and Vocabulary	MNR		
The following course is being modified to update the SLOs, course content, MOI, MOE, sample assignments and course materials:				
ESL-90D	Special Topics in ESL: Verb Tense Review	MNR		
The following course is being modified to update the SLOs, MOI, MOE, sample assignments and course materials:				
ESL-91	Oral Skills I: Beginning Oral Communication	MNR		
The following course is being modified to change the advisory, to update the SLOs, MOI, MOE, sample assignments and course materials:				
ESL-92	Oral Skills II: Intermediate Oral Communication	MNR		
The following course is being modified to change the advisory, to update the SLOs, course content, MOE, sample assignments and course materials:				
ESL-93	Oral Skills III: Advanced Oral Communication	MNR		
The following course is being modified to update course content, MOI, MOE, sample assignments and course materials:				
ESL-95	Pronunciation and Accent Reduction	NR		
The following course is being modified to change the advisory, to update the SLOs, course content, sample assignments and course materials to be CID compliant:				
FST-1	Introduction to Film Studies	MR		
The following courses are being modified to change the prerequisite to GAM-81, and to update the SLOs:				
GAM-32	Designing Game Characters	N		
GAM-41	Game Asset and Engine Integration	N		
The following courses are being modified to change the prerequisite to GAM-81:				
GAM-45	Materials and Lighting	N		
GAM-46	Environment and Vehicle Modeling	N		
The following course is being modified to remove the corequisite, to change the units from 1 to 2, to change the laboratory hours from 6 to 54, to change the title from "Computer Skills for Game Art," to update the SLOs, course content, MOI, MOE, and sample assignments :				
GAM-70	Game Development Basics	N		
The following courses are being modified to change the prerequisite to GAM-80:				
GAM-71	Perspective for Game and Animation	N		
GAM-72	Anatomy for Game Art	N		
The following course is being modified to change the prerequisite to GAM-81:				

	Title	Location	Action	Comment
GAM-73	Storyboarding for Games	N		
The following course is being modified to change the prerequisite to GAM-33 and 82:				
GAM-79B	Game Studio: Character Modeling	N		
The following courses are being modified to update the SLOs, course content, MOI, MOE, sample assignments and course materials:				
KIN-4	Nutrition	MNR		
KIN-16	Introduction to Athletic Training	NR		
The following courses are being modified to change the corequisite, to update the SLOs, and course materials:				
KIN-17	Athletic Training, Fall Sports, Lower Extremity	R		
KIN-18	Athletic Training, Spring Sports, Upper Extremity	R		
KIN-19	Athletic Training, Fall Sports, Head, Neck, Spine, Torso, and Hip	R		
KIN-20	Athletic Training, Spring Sports, General Medical	R		
The following course is being modified to change the lecture hours from 45 to 36, the laboratory hours from 27 to 54, to update the SLOs, course content, sample assignments and course materials:				
KIN-35	Foundation for Fitness and Wellness	MNR		
The following course is being modified to update the course description, SLOs, course content, MOI, MOE, sample assignments and course materials:				
KIN-36	Wellness: Lifestyle Choices	MNR		
The following courses are being modified to change the units from 2 to 3, to update the course description, SLOs, and course materials:				
KIN-V07	Golf, Varsity, Men	R		
KIN-V22	Fastpitch, Varsity, Women	R		
The following course is being modified to update the course description, SLOs, course content, MOI, MOE, and course materials:				
PHO-9	Intermediate Photography	R		
The following course is being modified to change the prerequisite, to update the course description, and course materials:				
PHO-12	Photojournalism	MR		
The following course is being modified to change the title from "Rapid Reading," to update the course description, course content, MOI, MOE, sample assignments and course materials:				
REA-2	Flexible Reading	MNR		
The following course is being modified to update the SLOs, course content, MOI, MOE, and course materials:				
REA-887	Reading Clinic			

H. Course Exclusions:

	Title	Location	Action	Comment
These courses have either never been offered or have not been offered in many years and there are no plans to offer them in the future:				
ART-3	Art for Teachers	N		
ART-30A	Printmaking-Introduction	N		
ART-34	Studio Three Dimensional Design	N		
ART-35A	Illustration - Beginning	N		
ART-38	Studio Illustration	N		
ART-41A	Figure Painting-Introduction	N		
ART-44A	Beginning Animation Principles	N		
ART-44B	Intermediate Animation Principles	N		
ART-44C	Advanced Animation Principles	N		
ART-50A	Beginning Storyboarding	N		
ART-50B	Intermediate Storyboarding	N		
ART-51A	Beginning Animation Production	N		
ART-51B	Intermediate Animation Production	N		
ART-8	Mexican Art History	N		
CHI-1	Mandarin Chinese 1	N		
CHI-11	Culture and Civilization	N		
CHI-2	Chinese 2	N		
DAN-5	Introduction to Movement Education for Preschool and Elementary Children	N		
DAN-D19	Conditioning for Dance	N		
DAN-D20	Introduction to Social Dance	N		
DAN-D30	Social Dance Styles	N		
DAN-D31	Hip-Hop Dance, Beginning	N		
DAN-D32	Jazz, Beginning	N		
DAN-D33	Jazz, Intermediate	N		
DAN-D37	Modern Dance, Beginning	N		
DAN-D38	Modern Dance, Intermediate	N		
DAN-D43	Tap, Beginning	N		

DAN-D44	Tap, Intermediate	N		
DAN-D60	Dance Techniques for Musical Theater	N		
FRE-11	Culture and Civilization	N		
FRE-3	French 3	N		
HUM-16	Arts and Ideas: American Culture	N		
JPN-11	Culture and Civilization	N		
JPN-3	Japanese 3	N		
JPN-4	Japanese 4	N		
MUS-1	Teaching Music to Young Children	N		
MUS-26	Film Music Appreciation	N		
MUS-34	Vocal Jazz Lab	N		
MUS-35	Vocal Music Ensembles	N		
MUS-43A	Jazz Improvisation and Theory I	N		
MUS-43B	Jazz Improvisation and Theory II	N		
MUS-43C	Jazz Improvisation and Theory III	N		
MUS-51	Men's Ensemble	N		
MUS-72	Group Keyboarding Skills	N		
MUS-73	Vocal Jazz Singers	N		
MUS-77	Guitar Ensemble	N		
MUS-83	Advanced Chamber Choir	N		
MUS-P44	Jazz Lab Band	N		
PHO-20	Introduction to Digital Photography	N		Will not have a PHO discipline at Norco
SPA-13	Spanish for Health Care Professionals	N		
THE-2	Play Practicum-Special Projects Laboratory I	N		
THE-25	Makeup for the Stage	N		
THE-30	Voice and Movement for the Stage	N		
THE-36	Improvisational Acting	N		
THE-38	Auditioning for the Stage	N		
THE-4	Play Practicum-Special Projects Lab II	N		
THE-6	Advanced Theater Practicum	N		

THE-9	Dramatic Literature-Script Analysis	N		
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I. Course Deletions:

	Title	Location	Action	Comment
These courses are no longer to be offered since the Architecture degree was discontinued last year:				
ARE-26	Architectural Rendering	N		
ARE-28	Perspective Drawing	N		
These courses are only included in the Norco College catalog. They have been superseded by other courses and are not in any current certificate or degree pattern; they have not been offered for at least two years; there are no plans to schedule these classes or to maintain the course outlines:				
CIS-16A	Programming Games with DirectX, OpenGL	N		
CSC-16A	Programming Games with DirectX, OpenGL	N		
These courses are crosslisted with GAM which will remain in the inventory and the CIS/CSC courses are no longer needed:				
CIS-24	Video Game Prototyping	N		
CIS-50	Introduction to Game Programming	N		
CSC-52	Game Engine Scripting I	N		
CSC-53	Game Engine Scripting II	N		
Neither Norco College or Riverside City College plan on offering this course in the future:				
ENG-57	Basic Literature and Composition	NR		
These courses have been replaced by a new one and not part of any GAM program:				
GAM-31	31 Introduction to 3D Modeling	N		GAM-81
GAM-34	Character Rigging	N		GAM-82
GAM-38C	Simulation Gaming/3D Dynamics and Rendering for Real-Time Interactive Simulations	N		
GAM-42	PhotoShop for Game Art and Animation	N		GAM-80
GAM-43	Survey of Media Art for Game Design/Animation	N		
GAM-47	Introduction to 3D Animation	N		GAM-82
GAM-48	3D Character Animation	N		GAM-82
GAM-49	Game Modeling and Texturing	N		GAM-81
This course was part of the 3D Animation program, which is being discontinued, therefore, this course is no longer needed:				
GAM-79A	Game Studio: Animation	N		

This course has not been offered for several years, and the discipline does not plan to offer it in the future:

REA-95	Special Topics in Reading	R		
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J. New State Approved Degree:

- a. Quality Assurance (R)
- b. Sound & Communication Systems Installer Apprenticeship (N)

K. New Locally Approved Certificate: None

L. State/Locally Approved Certificate/Degree Modifications:

- a. Communication Studies for Transfer (N)
- b. Electrician (N)
- c. Game Art Character Modeling (N)
- d. Game Art Environments and Vehicles (N)
- e. Industrial Automation (N)
- f. Music Industry Studies (N)

M. State Certificate/Degree Deletions: None

N. Discussion

PROGRAM OUTLINE OF RECORD
NEW DEGREE/CERTIFICATES

Certificates and Degrees in Quality Assurance

College: Riverside City

Quality Assurance Level I

Program Description:

This Level I certificate provides students with the technical knowledge and skills to perform inspection and testing procedures in a production environment. Students will be able to read and interpret industrial drawings, perform mathematical calculations, and determine product suitability for use. These skills are also transferable to the service sector when employers apply national and international standards of quality service and management.

Program Learning Outcomes

- Identify, assess, and evaluate the skills required to work effectively in a team oriented problem solving environment using contemporary quality tools and methods.
- Evaluate products and processes to determine suitability for use in accordance with written standards and specifications.
- Determine business performance based on physical observation, evaluations and calculations.

Required Courses (12 units total)

MAG-46	Contemporary Quality Systems Management	3 units
MAG-70	Introduction to Organization Development	3 units
MAG-73	Quality Inspection and Test	3 units

Optional courses, select another 3 units from the following:

MAG-47	Applied Business and Management Ethics	3 units
BUS-20	Business Math	3 units

Quality Assurance Level II

Program Description:

This Level II certificate adds to the knowledge and skills of the Level I certificate completers enabling them to apply statistical analysis to evaluate and control business processes. Additional analytical tools provide methods for the determination of process capability.

Program Learning Outcomes

- Analyze current business processes and develop statistically valid graphical representations of performance and be able to predict future performance
- Effectively select process improvement tools to analyze current business practices, determine problem areas and establish a plan to improve business performance.

Required Courses (18 units total)

Level I certification plus the six units below

MAG-71	Introduction to Productivity Management	3 units
MAG-74	Statistical Process Control	3 units

Quality Assurance Process Analyst

Program Description:

The Quality Assurance Process Analyst solves quality problems and is involved in quality improvement projects in either manufacturing or service industries. Advanced statistical analysis is included to compare and optimize business performance

Program Learning Outcomes

- Analyze data to describe process performance using descriptive and inferential statistics.
- Evaluate, interpret and follow international standards of quality management systems.

Required Courses (21 units total)

Completion of Level I & Level II certificates, plus the following required course.

MAG-72	Introduction to Quantitative Methods	3 units
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Quality Assurance Inspector

Program Description:

This certificate expands on three Quality Assurance certificates by adding the knowledge and skills of Measurement Systems Analysis, inspection systems, traceability, Failure Modes and Effects Analysis, and corrective action. Students should be able to obtain employment as process or product inspectors in manufacturing or service fields.

Program Learning Outcomes

- Perform Measurement System Analysis according to internationally recognized standards to identify sources of measurement error.
- Complete the process improvement cycle for Six Sigma or Lean methodologies.
- Apply corrective and preventative action measures to business processes.

Required Courses (27 units)

Level I & Level II certification plus the six units below

MAG-76	Metrology	3 units
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MAG-77	Problem Solving and Improvement	3 units
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Quality Assurance Auditor

Program Description:

Required Courses (30 units total)

Level I, Level II & Quality Assurance Inspector certificates plus the three units below

MAG-75	Quality Auditing	3 units
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Associate of Science Degree

The Associate of Science Degree in Quality Assurance will be awarded upon completion of the Level I and Level II requirements as well as the requirements for Quality Assurance Process Analyst and Quality Assurance Inspector and the general education requirements as described in the college catalog.

PROGRAM OUTLINE OF RECORD
NEW DEGREE

College: R__ M__ N~~X~~

Sound & Communication Systems Installer Apprenticeship

TOPs: 0934.30

PROGRAM PREREQUISITE:

None

SHORT DESCRIPTION of PROGRAM

This is a three-year apprenticeship program. Applications for Riverside/San Bernardino/ Mono/Inyo counties should apply to the Riverside and San Bernardino Joint Electrical Apprenticeship Training Committees, 1855 Business Center Drive, San Bernardino, CA 92408. Telephone: (909) 890-1703.

PROGRAM LEARNING OUTCOMES

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

- Apply a working knowledge of math formulas to perform complex solution related to the electrical trades, along with blueprint symbols and drawings of wiring diagrams with common schematic symbols.
- Analyze a circuit of electrical device(s) with the appropriate meters or testing equipment so that troubleshooting of common system faults can be detected and repaired.
- Demonstrate electrical wiring of circuits or devices to meet the standards and requirements of the National Electrical Code.
-

Required Courses (37 units)

Course	Title	Units
ELE-420	Introduction to Sound/Communication Trade Industry	3.5
ELE-421	Electrical Theory and Practices DC	3.5
ELE-422	Electrical Theory and Practices AC	3.5
ELE-423	Semiconductor Electronics	3.5
ELE-424	Introduction to Digital Electronics and Signaling Devices	3.5
ELE-425	Management/Alarms/Codes/Circuits	3.5
ELE-499	Work Experience: Electricians Apprenticeship (4 units x 4)	16
Total		37

Associate of Science Degree

The Associate of Science Degree in Sound and Communication Systems Installer Apprenticeship will be awarded upon completion of the degree requirements, including general education and other graduation requirements as described in the college catalog.

PROGRAM OUTLINE OF RECORD
PROGRAM MODIFICATION

College: R__ M__ N_X__

TOPs Code: __0952.20__

Electrician

PROGRAM PREREQUISITE:

None.

SHORT DESCRIPTION of PROGRAM

This program prepares residents to become an entry-level Electrician Trainee and along with California state requirements prepares for careers as an Electrician, Electrical Apprentice, Electrician's Helper, Industrial Electrician, Journeyman Electrician, and Residential Electrician. Courses are aligned with California state standards to prepare students to earn their Electrician Training card (<http://www.dir.ca.gov/dlse/ecu/electricaltrainee.htm>).

PROGRAM LEARNING OUTCOMES

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

- ~~Plan, construct and explain safe and proper electrical circuits, using industry standard components, according to supplies blueprints and verbal instructions, while following National Electrical Code (NEC) and OSHA rule.~~
- ~~Describe the general principles of direct or alternating current pertaining to a DC motor, AC motor, or Generator.~~
- ~~Demonstrate bandaging and splinting techniques for the care of wounds, burns, sprains, dislocations and emergency rescue moves only when necessary.~~
- ~~Troubleshoot and repair a given, complex configuration of electrical and electronic circuit combinations and create a written report of everything that was done to affect repairs, including necessary interactions with programmable devices.~~
- Demonstrate the installation maintenance and troubleshooting of electrical devices (switches, sensors, motor, controllers, and lights)
- Explain how the electrical grid works, from generation to the end user.
- Solve electrical design criteria by using formula, and tables for proper electrical installation.
- Demonstrate electrical raceway sizing and installation, meeting NEC requirements for sizing, location requirements, distances, supports and bending.
- Demonstrate quantitative analysis of electrical circuits for blueprints.
- Demonstrate electrical wiring of circuits or devices to meet the standards and requirement of the NEC

Required Courses:

	<u>Units</u>
ELE-77: Survey of Electrical Trades Electrical Theory	4/3
MAN-55: Occupational Safety and Health Administration (OSHA) Standards for General Industry	2
CON-62: Blueprint reading	3
CON-60: Introduction to Construction	3
CON-66: National Electrical Code	3
KIN-30: First Aid and CPR	3
In addition, choose and complete courses from one emphasis below:	
Residential Construction Emphasis (12 units)	
ELE-71: Residential Electrical wiring for Electricians	4
ELE-73: Electric Motors for Electricians and Transformers	4
ELE-75: Electronics for Electricians Solid State Devices and Motor and Lighting Controls	4/3.5

Industrial Plant Emphasis (12 units)

ELE-64: Programmable Logic Controllers	4
ELE-72: Commercial and Industrial Electrical Wiring	4
ELE-74: Industrial Electrical Automation Wiring and Controls	4
ELE-76 Low Voltage and Alternate Energy Generation	3.5
ENE-60 Math for Engineering Technology	3
<hr/>	
Total Units:	30/32

Associate of Science Degree

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

PROGRAM OUTLINE OF RECORD
PROGRAM MODIFICATION

College: Norco
TOPS: 0614.20

Game Art: Character Modeling

Students completing the Game Art: Character Modeling program will possess advanced knowledge of digital modeling as well as applied skills in rigging and materials. Students will gain skills in figure drawing and the application into a game environment. The final course of this program is a capstone project where students work in an interdisciplinary team with students from the other tracks of the game development programs to create a complete, original game ready to publish. Students will complete the program with a polished portfolio and be prepared to enter the workforce as a Character Modeler, Environment Modeler, Lighting Artist, or 3D Artist.

PROGRAM LEARNING OUTCOMES

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

- Understand and utilize the production pipeline and workflow between Maya and ZBrush for modeling characters for use in Game, Animation and Simulation.
- Analyze and construct bipedal, quadruped and anthropomorphic character models for use in Game, Animation and Simulation.
- Utilize the industry standard techniques of Maya and ZBrush to create both low poly and high poly models for use in Game, Animation and Simulation.
- Produce industry quality character models that demonstrate a thorough understanding of anatomy and proportion as well as proper topology flow as it pertains to modeling characters for use in Game, Animation and Simulation.
- Analyze, differentiate, and construct character models that demonstrate an understanding of standard industry artistic styles such as hyper-realism, cartoony and stylized design.
- Demonstrate mastery of interdisciplinary communication and team skills while working with colleagues in an industry standard production project.
- Create an industry standard portfolio and demo reel containing 3D character models developed in class projects.

Required Courses

Required Course	Title	Units
GAM-21	History of Video Games	3.0
GAM-32	Designing Game Characters	3.0
GAM-33	Advanced Digital Sculpting	3.0
GAM-35	Introduction to Simulation and Game Development	3.0
GAM-41	Game Asset and Engine Integration	3.0
GAM/CIS-44	Portfolio Production	2.0
GAM-70	Game Development Basics	2.0
GAM-71	Perspective for Game and Animation	3.0
GAM-72	Anatomy for Game Art	3.0
GAM-73	Storyboarding for Games	3.0
GAM-79B	Game Studio: Character Modeling	4.0
GAM-80	Digital Drawing for Game Art	4.0
GAM-81	3D Texturing and Modeling	4.0
GAM-82	Game Rigging and Animation	4.0

PROGRAM OUTLINE OF RECORD
PROGRAM MODIFICATION

College: Norco
TOPS: 0614.20

Game Art: Environments and Vehicles

PROGRAM PREREQUISITE:

None

SHORT DESCRIPTION of PROGRAM

Students completing the Game Art: Environment and Vehicles certificate will be well qualified to create larger scale modeling including environments, props, vehicles, as well as indoor and specialized enclosures in video game worlds. The final course of this program is a capstone project where students work in an interdisciplinary team with students from the other tracks of the game development programs to create a complete, original game ready to publish. Students will complete the program with a polished portfolio and be prepared to enter the workforce as a 3D Environments Artist, Prop Modeler, Level Builder or Junior Modeler.

PROGRAM LEARNING OUTCOMES

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

- Employ the proper use of industry standard terminology to describe geometry and scenes in a 3D environment
- Utilize both polygonal and nurbs modeling to create 3D hard surface and organic objects for use in game, animation and simulation environments
- Create digital vehicles, terrains and environments to scale according to a specific art style direction containing aspects of realism, futuristic and fantasy based design and function.
- Demonstrate mastery of interdisciplinary communication and team skills while working with colleagues in an industry standard production project.
- Create an industry standard portfolio and demo reel containing 3D environments and vehicle models developed in class projects

Required Courses

Required Course	Title	Units
GAM-21	History of Video Games	3.0
GAM-35	Introduction to Simulation and Game Development	3.0
GAM041	Game Asset and Engine Integration	3.0
GAM/CIS-44	Portfolio Production	2.0
GAM-45	Materials and Lighting	3.0
GAM-46	Environment and Vehicle Modeling	3.0
GAM-70	Game Development Basics	2.0
GAM-71	Perspective for Game and Animation	3.0
GAM-73	Storyboarding for Games	3.0
GAM-79C	Game Studio: Environments and Vehicles	4.0
GAM-80	Digital Drawing for Game Art	4.0
GAM-81	Texturing and Modeling	4.0
GAM-82	Game Rigging and Animation	4.0
Total		41.0

Electives

None

Units

Total Units:

41.0

PROGRAM OUTLINE OF RECORD
PROGRAM MODIFICATION

College: R__ M__ N__ X__

TOPs
Code: 0956.30

~~AUTOMATED SYSTEMS TECHNICIAN~~ INDUSTRIAL AUTOMATION (N)
NAS737/NCE737 (Revision)

Businesses and other organizations depend on complex electronic equipment for a variety of functions. Industrial controls automatically monitor and direct production processes on the factory floor. Transmitters and antennae provide communication links for many organizations. Industry needs well-trained technicians with the knowledge of how to design, repair and implement new equipment. The AUTOMATED SYSTEMS TECHNICIAN program teaches how to use Electronics, Microprocessors, Microcontrollers, Programmable Logic Control and Fluid Power systems to create and program new machinery used in industry. This certificate prepares students for employment as an automated systems technician, maintenance mechanic, general maintenance worker.

Program Learning Outcomes

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

- ~~1. Compose written assignments on occupation safety in general industry.~~
2. Demonstrate the installation maintenance and troubleshooting of Programmable Logic Control systems (PLCs) or Variable Frequency Drives (VFD) PLC modules.
3. Set-up and operate fluid powered valves, cylinders, controls filters, and actuators.
4. Establish a systematic approach to recognizing the essential information given on a blueprint.
5. Solve formulas by using unknowns and apply this knowledge to solve problems encountered in technological areas and various fields of engineering.
6. Write descriptive and operational instructions for nontechnical users of technical information, including occupational safety concerns.
- ~~7. Demonstrate quantitative measurement of electrical circuit parameters; assemble, and test both direct current and alternating current series, parallel, and series parallel circuits.~~
- ~~8. Explain the basic operation of a microprocessor / microcontroller.~~

Required Courses (28 units)		Units
ELE-11	DC Electronics	4
ELE-13	AC Electronics	4
ELE-26	Microprocessors and Microcontrollers	4
ELE-74	Industrial Wiring and Controls	4
ELE/ENE-27	Technical Communications	3
ENE-51	Blueprint Reading	2
ENE-60	Math for Engineering Technology	3
MAN-55	Occupational Safety and Health Administration	2
MAN-60	Hydraulic and Pneumatic Systems	3
MAN/ELE-64	Programmable Logic Controllers	3

PROGRAM OUTLINE OF RECORD
PROGRAM MODIFICATION

College: R__ M__ N_X__

TOPs Code: 1005

Music Industry Studies

PROGRAM PREREQUISITE:

None.

SHORT DESCRIPTION of PROGRAM

The Music Industry Studies certificate is a program designed to provide students with the knowledge and skills necessary for studio recording and live performance in the commercial music industry. Courses allow students to become proficient on an instrument or voice; gain experience as an ensemble member; study the fundamentals of music including sight-reading and piano skills; become familiar with digital and analog music technology; and record and mix in a state-of-the-art multi-track digital recording studio. Classes are taught utilizing industry-standard software and equipment in state-of-the-art facilities. This program prepares students for a wide variety of careers as: instrumentalists, vocalists and audio engineers in studio or live performance settings.

PROGRAM LEARNING OUTCOMES

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

- Demonstrate an understanding of musicianship and music theory.
- Employ music technology to create and refine musical product.
- Sensitive interpret and communicate musical literature as a performer or mixing engineer.
- Collaborate effectively with peers to create new musical works that exhibit quality and craftsmanship.
- Demonstrate a fundamental understanding of intellectual property law as it applies to music.

Required Courses

Units

Core (12 units)

MIS-1A	Beginning Performance Techniques For Studio Recording	2
MIS-1B	Intermediate Performance Techniques For Studio Recording	2
MIS-1C	Advanced Performance Techniques For Studio Recording	2
MUS-3	Fundamentals of Music	3
MUS-93	The Business of Music	3
	Choose one of the emphases below	23-25

A - Performance Emphasis (23-24 units)

MUS-39	Applied Music I (2x)	6
MUS-79	Applied Music II (2x)	6
	(4 semesters of study)	

AND

8 units from the following:

(4 semesters of study)

MIS-10A	Norco Choir I (2x)	4
MIS-10B	Norco Choir II (2x)	4
	or	
MIS-11A	Studio Arts Ensemble I (2x)	4
MIS-11B	Studio Arts Ensemble II (2x)	4

AND

3-4 units from the following:

<u>Elective Courses</u>		<u>Units</u>
MIS-7	Introduction to Music Technology	3
MUS-4	Music Theory I	4
MUS-23	History of Rock and Roll	3
MUS-32A	Class Piano I	2
MUS-32B	Class Piano II	2
MUS-32C	Class Piano III	2
MUS-32D	Class Piano IV	2

B - Audio Production Emphasis (23-25 units)

MIS-2	Songwriting	2
MIS-3	Digital Audio Production 1	4
MIS-4	Digital Audio Production 2	4
MIS-7	Introduction to Music Technology	3
MIS-12	Live Sound Reinforcement	3
MIS-13	Studio Recording Workshop I	3

AND

4-6 units from the following:

<u>Elective Courses</u>		<u>Units</u>
MUS-4	Music Theory I	4
MUS-23	History of Rock and Roll	3
MUS-32A	Class Piano I	2
MUS-32B	Class Piano II	2
MUS-32C	Class Piano III	2
MUS-38	Beginning Applied Music I	2
MUS-39	Applied Music 1	3
MIS-200	Work Experience	1-4

Total Units: 35-37 units

TECHNICAL REVIEW COMMITTEE MINUTES

November 19, 2015 2:30 p.m.
 Spruce Street, Conference Room #343

Faculty Chair: Steven Schmidt, Tech Review Chair

Members Present:

Norco College:

Brian Johnson..... Curriculum Committee Chair

Moreno Valley College

Carolyn Quin..... Curriculum Committee Chair

Riverside City College:

Greg Burchett..... Curriculum Committee Chair

Committee Staff:

Sylvia Thomas..... Associate Vice Chancellor, Educational Services

Naomi Foley..... Administrative Support

Guests: Carol Farrar, Dean of Instruction, Norco

Sunny Siu, Assistant Professor, Riverside City College

Paul Van Hulle, Associate Professor, Norco (via telephone)

Absent:

A. MSC Burchett/Quin approved the agenda for today’s meeting with the removal of the Game Art degree modifications and the minutes from the November 5, 2015 with the correction to KIN-V12 to replace “remove” to “change” in comment.

B. New Stand Alone Courses: MSC Burchett/Quin forward the following to the college curriculum committees for approval or information:

	Title	Location	Action	Comment
The course will provide an introduction to computer security for all computer users:				
CIS-4	Practical Computer Security	MR		
These courses are six courses in the new California State Fire Marshals Company Officer certification program that starts in December 2016. This program and courses will replace the current Fire Officer certification courses we are now offering. These courses will allow us to continue to meet the career development needs of our Fire Technology students:				
FIT-CO2A	Human Resource Management	M		
FIT-CO2B	General Administrative Functions	M		
FIT-CO2C	Fire Inspections and Investigations	M		
FIT-CO2D	All Risk Command Operations	M		
FIT-CO2E	Wildland Incident Operations	M		

	Title	Location	Action	Comment
FIT-COH1	Hazardous Materials Incident Commander	M		
Industry has expressed a need for basic machine shop practices using manual machine tools:				
MAN-36	Machine Shop	N		
The program would like to obtain National Institute for Metalworking Skills (NIMS) Standards certification and this course will part of that certification. This will also provide transferability to San Bernardino Valley College:				
MAN-39	Machine Shop Theory	N		
New course for students wishing to play in pep band:				
MUS-97	Pep Band	R		

Course descriptions state “one (second) of three courses” currently there isn’t a third course in the system. Also INS2 does not have entry skills and those skills need to be tied to the SLO of the prerequisite course:

The California Office of the State Fire Marshal has implemented new certification requirements that are modeled after the NFPA Professional Qualifications 1041. This requires new curricula be operational by December 31, 2016. Old courses such as Training Instructor 1A will be retired at that date.				
FIT-INS1	Instructor I	M		
FIT-INS2	Instructor II	M		

C. New Courses (not stand alone): MSC Quin/Burchett forward the following to the college curriculum committees for approval or information:

	Title	Location	Action	Comment
This course will enhance the current honor course offerings. This will be the first Film Studies honors course:				
FST-1H	Honors Introduction to Film Studies	R		

D. Course Inclusion: None

E. Distance Education: MSC Burchett/Quin forward the following to the college curriculum committees for approval or information

	Title	Location	Action	Comment
THE-3	Introduction to the Theater	MNR		Hybrid

F. Minor Course Modifications:

The following was put in the hold bucket so more detail could be added to the MOE and sample assignments so they are more integrated and course specific:

	Title	Location	Action	Comment
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The course is being modified to update the course materials:				
BUS-86	Transportation and Traffic Management	N		

The following will be pulled and made into major modifications:

	Title	Location	Action	Comment
The following courses are being modified to add transfer information:				
ADM-1	Introduction to Applied Digital Media	R		
ADM-62	Typography and Graphic Design	R		Cross listed with CIS-59 (N)
ADM-74	Dreamweaver for Graphic Designers	R		
ADM-77A	Adobe Illustrator	R		
ADM-77B	Advanced Adobe Illustrator	R		

G. Major Modifications: MSC Johnson/Quin forward the following to the college curriculum committees for approval or information after the suggested changes have been completed:

	Title	Location	Action	Comment
The following course is being modified to change the course number from 65, and to update the course description:				
ADM-2A	Color Systems and File Management	R		
The following course is being modified to change the course number from 58, to change the title from "Paper and Inks for Multipurpose Design," to update the course description, SLOs, and course content:				
ADM-2B	Prepress, Paper and Ink	R		
The following course is being modified to change the course number from 64, to change the title from "Ethics and Legalities of Digital Manipulation," to update the course description, SLOs, course content and course materials:				
ADM-2C	Ethics and Legalities for Graphic Designers	R		Add more detail to MOI, MOE
The following course is being modified to change the title from "Management and Estimating in the Graphics/Design Industry," to remove the advisory of ADM-80 and 85, to update the course description, SLOs, course content, and course materials:				
ADM-55	Business Management for Graphic Communications	R		Add levels to content, and make sample assignments more course specific
The following course has been updated to add transfer information:				
ADM-63A	Adobe InDesign, Beginning	R		make sample assignments more course specific
The following course is being modified to change the title from "Web Animation with Flash," to update the course description, SLOs, course content, and course materials:				
ADM-67	Multimedia Animation	R		
The following course is being modified to change the course number from 68:				

	Title	Location	Action	Comment
ADM-68A	3D Animation with Maya I	R		make sample assignments more course specific
The following course is being modified to change the course number from 88, to change the prerequisite to ADM-68A:				
ADM-68B	3D Animation with Maya II	R		
The following course is being modified to change the title from “Motion Graphics and Compositing with After Effects,” and to update the course description:				
ADM-69	Motion Graphics and Special Effects with After Effects	R		
The following course is being modified to change the prerequisite to add ADM-71A and to change the advisory to remove ADM-71:				
ADM-70	Project Production and Portfolio	R		
The following course is being modified to change the course number from 71, and to update the course description:				
ADM-71A	Adobe Photoshop	R		CIS-39, CIS-78B
The following course is being modified to change the course number from 72, to change the prerequisite to ADM-71A, and to update the course description:				
ADM-71B	Adobe Photoshop, Advanced	R		Course materials could be updated
The following course is being modified to change the course number from 85, to change the course title from “Beginning Offset Printing,” to update the course description, SLOs, and course content:				
ADM-85A	Commercial Printing	R		
The following course is being modified to change the course number from 86, to change the course title from “Advanced Offset presswork and Finishing,” to change the prerequisite to ADM-85A, to update the course description, SLOs,				
ADM-85B	Commercial Printing, Advanced	R		Course materials could be updated
The following course is being modified to separate lab and lecture content and update the course materials:				
ENG-4	Writing Tutor Training	MNR		Forward but Carolyn will follow up about comments
The following course is being modified to reword the prerequisite, update the course description, SLOs, course content and course materials:				
ESL-90A	Special Topics in ESL: Improving Note Taking Skills	R		
The following course is being modified to update the SLOs, MOI, MOE, sample assignments and course materials:				
FIT-S21	Public Safety Honor Guard Academy	M		
The following courses are being modified to update the SLOs, and the course materials:				
KIN-21A	Athletic Training Applications A	R		
KIN-21B	Athletic Training Applications B	R		
KIN-21C	Athletic Training Applications C	R		
KIN-21D	Athletic Training Applications D	R		

	Title	Location	Action	Comment
The following course is being modified to update the SLOs, and course content:				
KIN-30	First Aid and CPR	MNR		
The following course is being modified to add laboratory content, update the SLOs, sample assignments and course materials:				
MAN-56	CNC Machine Set-Up and Operation	N		
The following course is being modified to change the lecture hours from 40 to 36 and the laboratory hours from 72 to 54, to add laboratory content, to update the SLOs, sample assignments and course materials:				
MAN-57	CNC Program Writing	N		Amend course content
The following course is being modified to change the units from 2 to 3, the laboratory hours from 108 to 162, to update the SLOs, course content, MOE, sample assignments and course materials:				
MUS-48	Marching Band	R		
The following course is being modified to change the units from 1 to 3, the laboratory hours from 54 to 162, to remove the advisory, update the limitation on enrollment, to update the course description, SLOs, course content, MOI, MOE, sample assignments and course materials:				
MUS-49	Indoor Marching Percussion	R		
The following course is being modified to update the course description, SLOs, course content, MOI, MOE, sample assignments and course materials:				
MUS-59	Winter Marching Band Clinic	R		
The following course is being modified to update the limitation on enrollment, to update the course description, SLOs, course content, MOI, MOE, sample assignments and course materials:				
MUS-60	Summer Marching Band Clinic	R		
The following course is being modified to change the units from 2 to 3, the laboratory hours from 108 to 162, to update the course description, SLOs, course content, MOI, MOE, sample assignments and course materials:				
MUS-61	Auxiliary Marching Units	R		
The following course is being modified to change the units from 2 to 3, the laboratory hours from 108 to 162, to remove the prerequisite, to change the title from "Advanced Auxiliary Marching Units," to update the course description, SLOs, course content, MOI, MOE, sample assignments and course materials:				
MUS-66	Indoor Color Guard	R		
The following course is being modified to update the course content, Moe, MOE, sample assignments and course materials:				
WEL-15	Introduction to Basic Shielded Metal Arc Welding	R		
The following course is being modified to update the SLOs, course content, Moe, MOE, sample assignments and course materials:				
WEL-16	Advanced Shielded Metal Arc Welding	R		
The following course is being modified to change the lecture hours from 18 to 27 and the laboratory hours from 54 to 27, update the SLOs, course content, Moe, MOE, and sample assignments:				
WEL-34	Metal Joining Process	R		
The following course is being modified to update the course description, SLOs, course content, Moe, MOE, sample assignments and course materials:				
WEL-35	Semi-Automatic Welding	R		

	Title	Location	Action	Comment
The following course is being modified to change the title from “ Gas Tungsten Arc Welding Plate Materials,” update the course description, SLOs, course content, Moe, MOE, sample assignments and course materials:				
WEL-55A	Introduction to Gas Tungsten Arc Welding	R		
The following course is being modified to change the title from “ Gas Tungsten Arc Welding (GTAW),” Change the advisory to a prerequisite, update the course description, SLOs, course content, Moe, MOE, sample assignments and course materials:				
WEL-55B	Advanced Gas Tungsten Arc Welding (GTAW)	R		

H. Course Exclusions: Major Modifications: MSC Burchett/Johnson forward the following to the college curriculum committees for approval or information:

	Title	Location	Action	Comment
These courses have hardly ever been offered or not at all at Norco:				
ADJ-10	Introduction to Security	N		
ADJ-15	Narcotics	N		
ADJ-18	Institutional and Field Services	N		
ADJ-20	Introduction to Corrections	N		
ADJ-21	Control and Supervision in Corrections	N		
ADJ-22	Legal Aspects of Corrections	N		
ADJ-25	Introduction to Probation and Parole	N		
ADJ-30	Introduction to Family Support Law	N		
EAR-23	Family Home Child Care Program	N		
EAR-37	School Age Child Care	N		
EAR-52	Parenting: Parents as Teachers	N		
EAR-53	Parenting: Guiding Young Children	N		
EAR-54	Parenting: Contemporary Parenting	N		
EAR-55	Parenting: Common Problems in Infancy	N		
The following courses have never been offered and they are unlikely to be offered in the near future:				
REA-2	Rapid Reading	M		
REA-3	Reading for Academic Success	M		

I. Course Deletions: MSC Burchett/Johnson forward the following to the college curriculum committees for approval or information:

	Title	Location	Action	Comment
Moreno Valley and Riverside have not offered the course series (60A 1-4) in several years and don't intend to revive them. The program for which the courses were created at Riverside no longer exists:				
ENG-60A1	English Fundamentals: Sentence Structure	MR		
ENG-60A2	English Fundamentals: Grammar and Usage	MR		
ENG-60A3	English Fundamentals: Mechanics and Spelling	MR		
ENG-60A4	English Fundamentals: Paragraph Construction	MR		
This course has not been offered for many years:				
ESL-90K	Special Topics in ESL: Introduction to Using the Internet	R		
The following course is no longer used in any of our certificates				
MAN-75A	Robotic Systems	N		
This course has not been offered for several years, and the discipline does not plan to offer it in the future:				
REA-87	Reading Clinic	R		
No longer used in any of our certificates. If it is used we will also be deleting any certificate that this course is used in:				
SCT-2	Supply Chain Technology Analysis and Models	N		
SCT-3	Supply Chain Technology	N		
SCT-4	Transportation Technology and Vehicle Routing	N		

J. Discussion

a. State Chancellor's Inventory System

College curriculum committees discussed and sent warning to disciplines

Technical Review Committee

Draft Agenda
2:30 p.m. November 19, 2015
Spruce Street Conference Room 343

A. Agenda and Minutes Approval

B. New Courses:

	Title	Location	Action	Comment
This course will enhance the current honor course offerings. This will be the first Film Studies honors course:				
FST-1H	Honors Introduction to Film Studies	R		

C. New Stand Alone Courses:

	Title	Location	Action	Comment
The course will provide an introduction to computer security for all computer users:				
CIS-4	Practical Computer Security	MR		
These courses are six courses in the new California State Fire Marshals Company Officer certification program that starts in December 2016. This program and courses will replace the current Fire Officer certification courses we are now offering. These courses will allow us to continue to meet the career development needs of our Fire Technology students:				
FIT-CO2A	Human Resource Management	M		
FIT-CO2B	General Administrative Functions	M		
FIT-CO2C	Fire Inspections and Investigations	M		
FIT-CO2D	All Risk Command Operations	M		
FIT-CO2E	Wildland Incident Operations	M		
FIT-COH1	Hazardous Materials Incident Commander	M		
The California Office of the State Fire Marshal has implemented new certification requirements that are modeled after the NFPA Professional Qualifications 1041. This requires new curricula be operational by December 31, 2016. Old courses such as Training Instructor 1A will be retired at that date.				
FIT-INS1	Instructor I	M		
FIT-INS2	Instructor II	M		
Industry has expressed a need for basic machine shop practices using manual machine tools:				
MAN-36	Machine Shop	N		
The program would like to obtain National Institute for Metalworking Skills (NIMS) Standards certification and this course will part of that certification. This will also provide transferability to San Bernardino Valley College:				

	Title	Location	Action	Comment
MAN-39	Machine Shop Theory	N		
New course for students wishing to play in pep band:				
MUS-97	Pep Band	R		

D. Course Inclusions: None

E. Distance Education:

	Title	Location	Action	Comment
THE-3	Introduction to the Theater	MNR		Hybrid

F. Minor Course Modifications: None

	Title	Location	Action	Comment
The following courses are being modified to add transfer information:				
ADM-1	Introduction to Applied Digital Media	R		
ADM-62	Typography and Graphic Design	R		Cross listed with CIS-59 (N)
ADM-74	Dreamweaver for Graphic Designers	R		
ADM-77A	Adobe Illustrator	R		
ADM-77B	Advanced Adobe Illustrator	R		
The course is being modified to update the course materials:				
BUS-86	Transportation and Traffic Management	N		

G. Major Course Modifications:

	Title	Location	Action	Comment
The following course is being modified to change the course number from 65, and to update the course description:				
ADM-2A	Color Systems and File Management	R		
The following course is being modified to change the course number from 58, to change the title from "Paper and Inks for Multipurpose Design," to update the course description, SLOs, and course content:				
ADM-2B	Prepress, Paper and Ink	R		
The following course is being modified to change the course number from 64, to change the title from "Ethics and Legalities of Digital Manipulation," to update the course description, SLOs, course content and course materials:				
ADM-2C	Ethics and Legalities for Graphic Designers	R		
The following course is being modified to change the title from "Management and Estimating in the Graphics/Design Industry," to remove the advisory of ADM-80 and 85, to update the course description, SLOs, course content, and course materials:				

	Title	Location	Action	Comment
ADM-55	Business Management for Graphic Communications	R		
The following course has been updated to add transfer information:				
ADM-63A	Adobe InDesign, Beginning	R		
The following course is being modified to change the title from "Web Animation with Flash," to update the course description, SLOs, course content, and course materials:				
ADM-67	Multimedia Animation	R		
The following course is being modified to change the course number from 68:				
ADM-68A	Animation with Maya I	R		
The following course is being modified to change the course number from 88, to change the prerequisite to ADM-68A:				
ADM-68B	3D Animation with Maya II	R		
The following course is being modified to change the title from "Motion Graphics and Compositing with After Effects," and to update the course description:				
ADM-69	Motion Graphics and Special Effects with After Effects	R		
The following course is being modified to change the prerequisite to add ADM-71A and to change the advisory to remove ADM-71:				
ADM-70	Project Production and Portfolio	R		
The following course is being modified to change the course number from 71, and to update the course description:				
ADM-71A	Adobe Photoshop	R		CIS-39, CIS-78B
The following course is being modified to change the course number from 72, to change the prerequisite to ADM-71A, and to update the course description:				
ADM-71B	Adobe Photoshop, Advanced	R		
The following course is being modified to change the course number from 85, to change the course title from "Beginning Offset Printing," to change the prerequisite to ADM-85A, to update the course description, SLOs, and course content:				
ADM-85A	Commercial Printing	R		
The following course is being modified to change the course number from 86, to change the course title from "Advanced Offset presswork and Finishing," to update the course description, SLOs,				
ADM-85	Commercial Printing, Advanced	R		
The following course is being modified to separate lab and lecture content and update the course materials:				
ENG-4	Writing Tutor Training	MNR		
The following course is being modified to reword the prerequisite, update the course description, SLOs, course content and course materials:				
ESL-90A	Special Topics in ESL: Improving Note Taking Skills	R		
The following course is being modified to update the SLOs, MOI, MOE, sample assignments and course materials:				
FIT-S21	Public Safety Honor Guard Academy	M		

	Title	Location	Action	Comment
The following courses are being modified to update the SLOs, and the course materials:				
KIN-21A	Athletic Training Applications A	R		
KIN-21B	Athletic Training Applications B	R		
KIN-21C	Athletic Training Applications C	R		
KIN-21D	Athletic Training Applications D	R		
The following course is being modified to update the SLOs, and course content:				
KIN-30	First Aid and CPR	MNR		
The following course is being modified to add laboratory content, update the SLOs, sample assignments and course materials:				
MAN-56	CNC Machine Set-Up and Operation	N		
The following course is being modified to change the lecture hours from 40 to 36 and the laboratory hours from 72 to 54, to add laboratory content, to update the SLOs, sample assignments and course materials:				
MAN-57	CNC Program Writing	N		
The following course is being modified to change the units from 2 to 3, the laboratory hours from 108 to 162, to update the SLOs, course content, MOE, sample assignments and course materials:				
MUS-48	Marching Band	R		
The following course is being modified to change the units from 1 to 3, the laboratory hours from 54 to 162, to remove the advisory, update the limitation on enrollment, to update the course description, SLOs, course content, MOI, MOE, sample assignments and course materials:				
MUS-49	Indoor Marching Percussion	R		
The following course is being modified to update the course description, SLOs, course content, MOI, MOE, sample assignments and course materials:				
MUS-59	Winter Marching Band Clinic	R		
The following course is being modified to update the limitation on enrollment, to update the course description, SLOs, course content, MOI, MOE, sample assignments and course materials:				
MUS-60	Summer Marching Band Clinic	R		
The following course is being modified to change the units from 2 to 3, the laboratory hours from 108 to 162, to update the course description, SLOs, course content, MOI, MOE, sample assignments and course materials:				
MUS-61	Auxiliary Marching Units	R		
The following course is being modified to change the units from 2 to 3, the laboratory hours from 108 to 162, to remove the prerequisite, to change the title from "Advanced Auxiliary Marching Units," to update the course description, SLOs, course content, MOI, MOE, sample assignments and course materials:				
MUS-66	Indoor Color Guard	R		
The following course is being modified to update the course content, Moe, MOE, sample assignments and course materials:				
WEL-15	Introduction to Basic Shielded Metal Arc Welding	R		
The following course is being modified to update the SLOs, course content, Moe, MOE, sample assignments and course materials:				
WEL-16	Advanced Shielded Metal Arc Welding	R		

	Title	Location	Action	Comment
The following course is being modified to change the lecture hours from 18 to 27 and the laboratory hours from 54 to 27, update the SLOs, course content, Moe, MOE, and sample assignments:				
WEL-34	Metal Joining Process	R		
The following course is being modified to update the course description, SLOs, course content, Moe, MOE, sample assignments and course materials:				
WEL-35	Semi-Automatic Welding	R		
The following course is being modified to change the title from " Gas Tungsten Arc Welding Plate Materials," update the course description, SLOs, course content, Moe, MOE, sample assignments and course materials:				
WEL-55A	Introduction to Gas Tungsten Arc Welding	R		
The following course is being modified to change the title from " Gas Tungsten Arc Welding (GTAW)," Change the advisory to a prerequisite, update the course description, SLOs, course content, Moe, MOE, sample assignments and course materials:				
WEL-55B	Advanced Gas Tungsten Arc Welding (GTAW)	R		

H. Course Exclusions:

	Title	Location	Action	Comment
These courses have hardly ever been offered or not at all at Norco:				
ADJ-10	Introduction to Security	N		
ADJ-15	Narcotics	N		
ADJ-18	Institutional and Field Services	N		
ADJ-20	Introduction to Corrections	N		
ADJ-21	Control and Supervision in Corrections	N		
ADJ-22	Legal Aspects of Corrections	N		
ADJ-25	Introduction to Probation and Parole	N		
ADJ-30	Introduction to Family Support Law	N		
EAR-23	Family Home Child Care Program	N		
EAR-37	School Age Child Care	N		
EAR-52	Parenting: Parents as Teachers	N		
EAR-53	Parenting: Guiding Young Children	N		
EAR-54	Parenting: Contemporary Parenting	N		
EAR-55	Parenting: Common Problems in Infancy	N		
The following courses have never been offered and they are unlikely to be offered in the near future:				
REA-2	Rapid Reading	M		
REA-3	Reading for Academic Success	M		

I. Course Deletions:

	Title	Location	Action	Comment
Moreno Valley and Riverside have not offered the course series (60A 1-4) in several years and don't intend to revive them. The program for which the courses were created at Riverside no longer exists:				
ENG-60A1	English Fundamentals: Sentence Structure	MR		
ENG-60A2	English Fundamentals: Grammar and Usage	MR		
ENG-60A3	English Fundamentals: Mechanics and Spelling	MR		
ENG-60A4	English Fundamentals: Paragraph Construction	MR		
This course has not been offered for many years:				
ESL-90K	Special Topics in ESL: Introduction to Using the Internet	R		
The following course is no longer used in any of our certificates				
MAN-75A	Robotic Systems	N		
This course has not been offered for several years, and the discipline does not plan to offer it in the future:				
REA-87	Reading Clinic	R		
No longer used in any of our certificates. If it is used we will also be deleting any certificate that this course is used in:				
SCT-2	Supply Chain Technology Analysis and Models	N		
SCT-3	Supply Chain Technology	N		
SCT-4	Transportation Technology and Vehicle Routing	N		

J. New State Approved Degree: None

K. New Locally Approved Certificate: None

L. State/Locally Approved Certificate/Degree Modifications:

- a. Game Art Character Modeling (N)
- b. Game Art Environments and Vehicles (N)

M. State Certificate/Degree Deletions: None

N. Discussion

- a. State Chancellor's Inventory System

PROGRAM OUTLINE OF RECORD
Program Modification

College: Norco
TOPS: 0614.20

Game Art: Character Modeling

PROGRAM PREREQUISITE:

None

SHORT DESCRIPTION of PROGRAM

Students completing the Game Art: Character Modeling program will possess advanced knowledge of digital modeling as well as applied skills in rigging and materials. Students will gain skills in figure drawing and the application into a game environment. The final course of this program is a capstone project where students work in an interdisciplinary team with students from the other tracks of the game development programs to create a complete, original game ready to publish. Students will complete the program with a polished portfolio and be prepared to enter the workforce as a Character Modeler, Environment Modeler, Lighting Artist, or 3D Artist.

PROGRAM LEARNING OUTCOMES

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

- Understand and utilize the production pipeline and workflow between Maya and ZBrush for modeling characters for use in Game, Animation and Simulation.
- Analyze and construct bipedal, quadruped and anthropomorphic character models for use in Game, Animation and Simulation.
- Utilize the industry standard techniques of Maya and ZBrush to create both low poly and high poly models for use in Game, Animation and Simulation.
- Produce industry quality character models that demonstrate a thorough understanding of anatomy and proportion as well as proper topology flow as it pertains to modeling characters for use in Game, Animation and Simulation.
- Analyze, differentiate, and construct character models that demonstrate an understanding of standard industry artistic styles such as hyper-realism, cartoony and stylized design.
- Demonstrate mastery of interdisciplinary communication and team skills while working with colleagues in an industry standard production project.
- Create an industry standard portfolio and demo reel containing 3D character models developed in class projects.

Required Courses

Required Course	Title	Units
GAM 21	History of Video Games	3.0
GAM 32	Designing Game Characters	3.0
GAM 33	Advanced Digital Sculpting	3.0
GAM 35	Introduction to Simulation and Game Development	3.0
GAM 41	Game Asset and Engine Integration	3.0
GAM/CIS 44	Portfolio Production	2.0
GAM 45	Materials and Lighting	3.0
GAM 70	Computer Skills for Game Art	2.0
GAM 71	Perspective for Game and Animation	3.0
GAM 72	Anatomy for Game Art	3.0

GAM 73	Storyboarding for Games	3.0
GAM 79B	Game Studio: Character Modeling	4.0
GAM 80	Digital Drawing for Game Art	4.0
GAM 81	Texturing and Modeling	4.0
GAM 82	Game Rigging and Animation	4.0
Total		47.0

Electives

None

Units

Total Units:

47.0

PROGRAM OUTLINE OF RECORD
Program Modification

College: Norco

Game Art: Environments and Vehicles

TOPS: 0614.20

PROGRAM PREREQUISITE:

None

SHORT DESCRIPTION of PROGRAM

Students completing the Game Art: Environment and Vehicles certificate will be well qualified to create larger scale modeling including environments, props, vehicles, as well as indoor and specialized enclosures in video game worlds. The final course of this program is a capstone project where students work in an interdisciplinary team with students from the other tracks of the game development programs to create a complete, original game ready to publish. Students will complete the program with a polished portfolio and be prepared to enter the workforce as a 3D Environments Artist, Prop Modeler, Level Builder or Junior Modeler.

PROGRAM LEARNING OUTCOMES

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

- Employ the proper use of industry standard terminology to describe geometry and scenes in a 3D environment
- Utilize both polygonal and nurbs modeling to create 3D hard surface and organic objects for use in game, animation and simulation environments
- Create digital vehicles, terrains and environments to scale according to a specific art style direction containing aspects of realism, futuristic and fantasy based design and function.
- Demonstrate mastery of interdisciplinary communication and team skills while working with colleagues in an industry standard production project.
- Create an industry standard portfolio and demo reel containing 3D environments and vehicle models developed in class projects

Required Courses

Required Course	Title	Units
GAM 21	History of Video Games	3.0
GAM 35	Introduction to Simulation and Game Development	3.0
GAM 41	Game Asset and Engine Integration	3.0
GAM/CIS 44	Portfolio Production	2.0
GAM 45	Materials and Lighting	3.0
GAM 46	Environment and Vehicle Modeling	3.0
GAM 70	Computer Skills for Game Art	2.0
GAM 71	Perspective for Game and Animation	3.0
GAM 73	Storyboarding for Games	3.0
GAM 79C	Game Studio: Environments and Vehicles	4.0
GAM 80	Digital Drawing for Game Art	4.0
GAM 81	Texturing and Modeling	4.0
GAM 82	Game Rigging and Animation	4.0
	Total	41.0

Electives

None

Units

Total Units:

41.0

TECHNICAL REVIEW COMMITTEE MINUTES

November 5, 2015 2:30 p.m.
Spruce Street, Conference Room #343

Faculty Chair: Steven Schmidt, Tech Review Chair

Members Present:

Norco College:

Brian Johnson..... Curriculum Committee Chair

Moreno Valley College

Carolyn Quin..... Curriculum Committee Chair

Riverside City College:

Greg Burchett..... Curriculum Committee Chair

Committee Staff:

Toni Van Buhler..... Administrative Support

Lorena Franco Administrative Support

Guests:

James Cregg, Associate Professor, CIS

Kevin Fleming, Dean of Instruction, Career and Technical Education Programs, Norco

Cynthia Morrill, Associate Professor, English, Riverside City College

Absent:

Sylvia Thomas..... Associate Vice Chancellor, Educational Services

- A. MSC Burchett/Quin approved the agenda for today’s meeting with the removal of the FIT courses and the minutes from the October 15, 2015.
- B. New Stand Alone Courses: MSC Burchett/Quin forward the following to the college curriculum committees for approval or information after the suggested changes have been completed:
- C.

	Title	Location	Action	Comment
The course is designed to meet lower-division transfer requirements for CSU San Bernardino and CSU Fullerton for communication majors, and fulfill general education requirements at most transfer institutions:				
COM-20	Introduction to Communication Theory	NR		2 nd review
This course combines two one-unit courses (ESL 90E and 90J) into one two-unit course in order to integrate related skills, provide context to the students, and accelerate learning:				
ESL-90P	Mastering Academic Vocabulary	MNR		Non-degree credit course
These courses will be added to the Associate in Arts for Transfer degree and are C-ID compliant:				
GEG-7	Map Interpretation and Analysis	MR		
GEG-8	Introduction to Geographic Information Systems and Techniques, with Lab	MR		
This course is intended to develop academic success strategies for incoming or returning at-risk students.				

ILA-3	Student Resiliency	R		Non-degree credit
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D. New Courses (not stand alone): MSC Quin/Burchett forward the following to the college curriculum committees for approval or information:

	Title	Location	Action	Comment
The course was deleted in 2011 but is being revived and will be part of a new Information Security certificate:				
CIS-21A	Linux Operating System Administration	R		Suggested changes units and to add more levels to the course content, SLOs, remove “web based”,
This course will be compatible with the C-ID descriptor ITIS 165 and will be added as an option in the associate in transfer degree:				
CIS-27A	Computer Forensics Fundamentals	R		Suggested changes to add lab content, link entry skills, to make MOI, MOE and sample assignments more course specific , fix grammar in MOE
This course will enhance the current offering of honors courses:				
HIS-2H	Honors History of World Civilizations II	R		
This course will enhance the current offering of honors courses and be the first psychology honors course:				
PSY-1H	Honors General Psychology	MNR		

The following was placed on hold to come forward with FST-1 proposal:

This course will enhance the current honor course offerings. This will be the first Film Studies honors course:				
FST-1H	Honors Introduction to Film Studies	R		

E. Course Inclusion: MSC Burchett/Quin forward the following to the college curriculum committees for approval or information

	Title	Location	Action	Comment
Moreno Valley College would like to expand their current art history offerings:				
ART-7	Women Artists in History	M		
ART-9	African Art History	M		
Both Moreno Valley and Norco College would like to add these courses to their inventory in order to expand their current offering and also to replace ART-8:				
ART-13	Pre-Columbian Art History	MN		
ART-14	Latin American Art: Colonial to the Present	MN		

The following courses will be used for a new Literary magazine :				
ENG-17A	Literary Magazine Production: Beginning	N		
ENG-17B	Literary Magazine Production: Intermediate	N		
ENG-17C	Literary Magazine Production: Advanced	N		

F. Distance Education: MSC Burchett/Quin forward the following to the college curriculum committees for approval or information

	Title	Location	Action	Comment
COM-20	Introduction to Communication Theory	NR		Hybrid and Online

G. Minor Course Modifications: None

H. Major Modifications: MSC Johnson/Quin forward the following to the college curriculum committees for approval or information after the suggested changes have been completed:

	Title	Location	Action	Comment
This course is being modified to be compliant with Transfer Model Curriculum. C-ID Descriptor: ITIS 160 Introduction to Information-Systems Security. Transfers to CSUSB course IST 275 by changing the prerequisite from CIS-23 to CIS-1A or CIS-23 and updating the course description, SLOs, course content, MOI, MOE, Sample assignments and course content:				
CIS-27	Information and Network Security	R		Suggested changes to SLOs, reword #1 in course content and to level course content, remove web and online references in MOI, remove duplicate MOE, and reformat outside of class writing assignment.
The following courses are being updated to link to the new GESLOs and to update the course materials:				
ENG-38	Introduction to Screenwriting	R		Minor punctuation issues corrected
ENG-39	Screenwriting II	R		Suggested changes to add MOI
The following courses are being modified to update the entry skills, and sample assignments:				
HIS-21	History of Ancient Greece	M		
HIS-22	History of Ancient Rome	M		
The following course is being modified to update the SLOs, course description, course content, sample assignments and course materials:				
KIN-14	Athletic and Fitness Organization and Administration	R		
The following courses are being modified to update the SLOs, and course materials:				
KIN-V12	Cross Country, Varsity, Women	R		Remove reference to video and audio recordings

	Title	Location	Action	Comment
KIN-V14	Track and Field, Varsity, Women	R		
The following course is being modified to add an advisory of “qualification for ENG-1A,” to reduce the SLOs, update the course content, MOE, and course materials:				
REA-4	Critical Reading as Critical Thinking	MNR		Discussion about GESLOs, level course content, also remove “electronic discussion boards and web-enhanced,” minor punctuation corrections, should Group presentations in the writing assignment be Individual presentations.

- I. Course Exclusions: Major Modifications: MSC Burchett/Johnson forward the following to the college curriculum committees for approval or information:

	Title	Location	Action	Comment
The following courses have not been offered as CAT courses and there are no plans to do so in the future:				
CAT-54A	Introduction to Flash	N		Crosslisted with CIS-54A
CAT-78B	Advanced Adobe Photoshop	N		Crosslisted CIS not excluded
CAT-81	Introduction to Desktop Publishing using Adobe InDesign	N		Crosslisted CIS not excluded
These courses have never been offered and there are no plans to offer in the future:				
CIS-14B	Web Programming: Active Server Pages	N		
CIS-18D	Data Structure and Algorithms	N		Crosslisted with CSC
CIS-54A	Introduction to Flash	N		Crosslisted with CAT-54A
CIS-61	Introduction to Database Theory	N		Crosslisted with CSC
CIS-63	Introduction to Structured Query	N		Crosslisted with CSC
CIS-72C	Introduction to XML	N		
CIS-76A	Introduction to Microsoft Expression Web	N		
CSC-6	Discrete Mathematics for Computer Science	N		Crosslisted with MAT-6 not excluded
These courses are being offered as CIS courses and there are no plans in the future to offer them as CSC:				
CSC-17B	C++ Programming: Advanced Objects	N		Crosslisted CIS not excluded
CSC-17C	C++ Programming: Data Structures	N		Crosslisted CIS not excluded
CSC-18B	Java Programming: Advanced Objects	N		Crosslisted with CIS not excluded
CSC-18C	Java Programming: Data Structures	N		Crosslisted with CIS not excluded

CSC-18D	Data Structure and Algorithms	N		Crosslisted with CIS-18D
CSC-21	Introduction to Operating Systems	N		Crosslisted with CIS not excluded
These courses have never been offered and there are no plans to do so in the future:				
CSC-61	Introduction to Database Theory	N		
CSC-63	Introduction to Structured Query	N		
The Communication Studies does not have the need, staff, or demand for these courses:				
COM-5	Parliamentary Procedure	N		Never been offered
COM-19	Reader's Theater	N		Never been offered
These courses are no longer part of a degree/certificate:				
ENE-1A	Plane Surveying, I	N		
ENE-1B	Plane Surveying, II	N		
This course has never been offered and the discipline does not plan on offering it in the future:				
ENG-18	Survey of Native American Literature	N		
The Journalism discipline does not have the need, staff, or demand for these courses:				
JOU-1	Introduction to Journalism	N		Last offered in Fall 2010
JOU-20A	Newspaper: Beginning	N		
JOU-20B	Newspaper: Intermediate	N		
JOU-20C	Newspaper: Advanced	N		
JOU-20D	Newspaper: Professional	N		

J. Course Deletions: MSC Burchett/Johnson forward the following to the college curriculum committees for approval or information:

	Title	Location	Action	Comment
Course has been replaced by ESL-90M:				
ESL-90C	Special Topics In ESL: Preposition Review	NR		
This course will be replaced by ESL-90P a 2-unit course that covers the material in both ESL-90E and 90J:				
ESL-90E	Special Topics in ESL: Academic Vocabulary	R		
This course has been replaced by ESL-90M:				
ESL-90G	Special Topics in ESL: Mastering Articles: A, An, and The	NR		
These courses have been replaced by ESL-90L a 2 unit course which is a combination of the material covered in ESL-90I and 90H:				

ESL-90H	Special Topics in ESL: Phrases and Clauses	NR		
ESL-90I	Special Topics in ESL: Punctuation Review	NR		
This course will be replaced by ESL-90P a 2-unit course that covers the material in both ESL-90E and 90J:				
ESL-90J	Special Topics in ESL: Spelling Review	NR		
This class is longer an up to date for the state fire marshal:				
FIT-I3	Fire Instructor 3, Master Instructor	M		

- K. New State Approved Degree: MSC Burchett/Quin forward the following to the college curriculum committees for approval or information:
 - a. Associate in Science in Administration of Justice for Transfer (N)

- L. New Locally Approved Certificate: MSC Quin/Johnson forward the following to the college curriculum committees for approval or information:
 - a. Conventional Machine Operator (N)
 - b. Entrepreneurship: Finance/Legal Issues (N)

- M. State/Locally Approved Certificate/Degree Modifications: MSC Burchett/Quin forward the following to the college curriculum committees for approval or information:
 - a. Computerized Numerical Control (CNC) Operator (N)
 - b. Associate in Arts in Economics for Transfer (R)
 - c. Medical Assisting (M)
 - d. Medical Transcription (M)

- N. State Certificate/Degree Deletions: None

- O. Discussion
 - a. State Chancellor's Inventory System
Disciplines which need to update their CORs in order to retain active status at the State, will be allowed to do minor modifications with the stipulation that within a year's time they will fully update their CORs.

PROGRAM OUTLINE OF RECORD
NEW DEGREE

College: Norco

Associate in Science in Administration of Justice for Transfer

This degree is designed to facilitate the student's passage from Norco College to the California State University system with an Associate in Science in Administration of Justice for Transfer degree. This degree will satisfy the lower division requirements for the eventual conferral of the Bachelor's Degree in Criminal Justice at a CSU. With this degree the student will be prepared to enter the American Justice system as an entry level professional in numerous areas.

Program Learning Outcomes

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

- Demonstrate an applicable knowledge of the many facets of the American Justice System and the interrelationship of functions among them.
- Demonstrate a working knowledge of the theory and practice of law enforcement, community policing, criminal law, judicial procedure, criminal investigation, and corrections within the American Justice System.
- Demonstrate the ability to interact with the public and members of the American Justice System in a manner to reflect professionalism in speaking, reading, writing, and the ability to compile, integrate, and disseminate diverse information.

Required Courses (18-19 Units)		Units
ADJ-1*	Introduction to the Administration of Justice	3
ADJ-3*	Concepts of Criminal Law	3
List A	Choose from the list below	6
List B	Choose from the list below	6-7

LIST A Choose two courses from the following (6 units):		Units
ADJ-2	Principles and Procedures of the Justice System	3
ADJ-4	Legal Aspects of Evidence	3
ADJ-5	Community Relations	3
ADJ-8	Juvenile Law and Procedures	3

LIST B Choose two courses from the following (6-7 units):		Units
Any LIST A course not already used		
ADJ-9*	Law in American Society	3
ADJ-13	Criminal Investigation	3
ADJ-14	Advanced Criminal Investigation	3
MAT-12*/12H*	Statistics/Honors	4
POL-1*/1H*	American Politics/Honors	3
PSY-1*	General Psychology	3
SOC-1*/1H*	Introduction to Sociology/Honors	3
SOC-2*	American Social Problems	3
SOC-20*	Introduction to Criminology	3
SOC-50*	Introduction to Social Research Methods	3

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

Associate in Science for Transfer Degree

The Associate in Science in Administration of Justice for Transfer degree will be awarded upon completion of 60 semester CSU-transferable units; the California State University-General Education-Breadth pattern (CSU GE-Breadth) or the Intersegmental General Education Transfer Curriculum (IGETC) pattern; a minimum of 18 semester or 27 quarter units in the major or area of emphasis as determined by the community college district; obtainment of a minimum grade point average (GPA) of 2.0; earn a grade of C or better in all courses required for the major or area of emphasis. (Students completing this degree are not required to fulfill the RCCD graduation requirements found in section VII. Additional degree requirements: Health Education and Self Development)

PROGRAM OUTLINE OF RECORD
NEW CERTIFICATE

College: Norco

TOPs Code: 0956.30

Conventional Machine Operator

This certificate is designed to prepare students with basic entry-level machine operator skills, safety knowledge, theory and quality control skills in manufacturing processes. Students obtaining this certificate will qualify for the first level certification in National Industry Metal Skills (NIMS). This certificate prepares students for employment as a Conventional Machinists, Machine Operators, and/or Machine Tool Cutting Setters.

PROGRAM LEARNING OUTCOMES

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

- Demonstrate aptitude in safely setting up and operating the lathe, mill, drill press, saw and grinder.
- Demonstrate use of gages (gage blocks and pins), calculate angles for work setup, utilize the proper precision measuring tools when machining.
- Create parts specified by the National Institute of Metalworking Skills (NIMS) using conventional machining.
- Establish a systematic approach to recognize the essential information given on a blueprint.

<u>Required Courses</u>		<u>Units</u>
ENE-42	SolidWorks I	3
ENE-51	Blueprint reading	2
MAN-38	General Machine Shop	3
MAN-39	Machine shop theory	2
MAN-55	OSHA Standards for General Industry	2

Total Units: 12

PROGRAM OUTLINE OF RECORD
NEW CERTIFICATE

College: R__ M__ N_x__

TOPs Code: 0506.40

Entrepreneurship: Finance/Legal Issues

PROGRAM PREREQUISITE:

None.

SHORT DESCRIPTION of PROGRAM

This certificate includes courses intended to help students who are interested in pursuing entrepreneurship to develop skills in financing, legal Issues, and Applied Accounting and Bookkeeping for the small business.

PROGRAM LEARNING OUTCOMES

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

1. Demonstrate an understanding of the entrepreneurial process, from idea generation to commercialization.
2. Demonstrate the ability to apply accounting and bookkeeping for small business principles to a potential business.
3. Analyze and evaluate various funding sources for small businesses.
4. Outline and evaluate the legal steps and issues necessary for opening a small business.

<u>Required Courses</u>	<u>Units</u>
ACC 55: Applied Accounting/Bookkeeping	3
BUS 30 Intro to Entrepreneurship	3
BUS 31: Financing Your Business	2
BUS 33: Business Structure and Legal Issues	2

Total Units: 10

PROGRAM OUTLINE OF RECORD
CERTIFICATE MODIFICATION

College: Norco

TOPs Code: 0956.30

Computerized Numerical Control (CNC) Operator

PROGRAM PREREQUISITE:

None.

SHORT DESCRIPTION of PROGRAM

This certificate is designed to provide entry-level skills to operate a Computer Numerical Control (CNC) lathe or milling type machine tool. Upon completion, students could secure employment as a CNC Operator.

PROGRAM LEARNING OUTCOMES

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

- Demonstrate sufficient proficiency to apply for and obtain entry-level employment in the field of computer numerical control technology
- Create parts specified by the National Institute of Metalworking Skills (NIMs)
- Create a portfolio which may include portable document files (PDF) printouts of CNC programs created during the program's courses.
- Solve formulas by using unknowns and apply this knowledge to solve problems encountered in technology areas and various fields of machining.
- Establish a systematic approach to recognize the essential information given on a blueprint.

<u>Required Courses</u>		<u>Units</u>
ENE-42	SolidWorks I	3
ENE-51	Blueprint reading	2
MAN-38	General Machine Shop	3
MAN-55	OSHA Standards for General Industry	2
MAN-56	CNC Machine Set-up and operation	4
MAN-57	CNC Program writing	3

Total Units: 17

PROGRAM OUTLINE OF RECORD
Degree Modification

Associate in Arts in Economics for Transfer

College: Riverside City

The Associate in Arts in Economics for Transfer degree is a curricular pattern designed specifically to transfer students as Economics majors with junior status to the CSU system. Though the Associate in Arts in Economics for Transfer also provides broad general preparation for Economics majors entering any four-year university, students must consult the specific requirements of any non-CSU campus to which they are applying. Students earning the Associate in Arts in Economics for Transfer will be provided with a deep appreciation of how the economy functions.

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

1. Describe, analyze and evaluate economic concepts, paradigms, and theories of the economy.
2. Analyze data to identify major current economic problems and use economic theory to analyze and evaluate the problems.
3. Identify current governmental policies to remedy economics problems and assess the effectiveness of these policies.

<u>Required Courses (20-21 units)</u>		<u>Units</u>
ECO-7/7H	Principles of Macroeconomics/Honors	3
ECO-8/8H	Principles of Microeconomics/Honors	3
MAT-1A	Calculus I	4
MAT-12/12H	Statistics/Honors Statistics	4

LIST A Select one course from the following (3-4 units):

ACC-1A	Principles of Accounting I	3
ACC-1B	Principles of Accounting II	3
CIS-1A	Introduction to Computer Information	3
MAT-1B	Calculus II	4

LIST B Select one course from the following (3 units):

ECO-5	Economics of the Environment	3
ECO-6/POL-6	Introduction to Political Economy	3
ECO-9	Poverty and Inequality	3
ECO-10	Economics and Personal Decision-making	3

Associate in Arts for Transfer Degree

The Associate in Arts in Economics for Transfer degree will be awarded upon completion of 60 California State University (CSU) transferable units including the above major requirements and the Intersegmental General Education Transfer Curriculum (IGETC) or California State University General Education (CSUGE) requirements and with a minimum grade point average of 2.0. All courses in the major must be completed with a grade of “C” or better. (Students completing this degree are not required to fulfill the RCCD graduation requirements found in section VII. Additional degree requirements: Health Education and Self Development)

PROGRAM OUTLINE OF RECORD
DEGREE/CERTIFICATE MODIFICATION

MEDICAL ASSISTING

This program prepares individuals to provide medical office administrative services and perform clinical duties including patient intake and care, routine diagnostic and recording procedures, pre-examination and examination assistance, administration of medications, and first aid under the supervision of a physician. This includes instruction in basic anatomy and physiology; medical terminology; medical law and ethics; patient psychology and communications; medical office procedures; and clinical/diagnostic examination, testing, and treatment procedures.

ADMINISTRATIVE/CLINICAL MEDICAL ASSISTING(M)

MAS718/MCE718

Certificate Program

Program Learning Outcomes

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

- Demonstrate competency in clinical and/or administrative skills needed to prepare for an entry level position in Medical Assisting.

Required Courses (22 units)		Units
MDA-1A	Medical Terminology IA	3
MDA-1B	Medical Terminology IB	3
MDA-54	Clinical Medical Assisting and Pharmacology	5
MDA-59	Medical Office Procedures	5
Electives	(Choose from list below)	6

Electives (6 units)

CIS-1A	Introduction to Computer Information Systems	3
or		
BUS/CAT/CIS-3	Computer Applications for Business	3
CAT-50	Keyboarding and Document Processing	3
CAT/CIS-84	WordPerfect for Windows	3
CAT/CIS-80	Word Processing : Microsoft Word for Windows	3

Associate of Science Degree

The Associate of Science Degree in Administrative/ Clinical Medical Assisting will be awarded upon completion of the degree requirements, including general education and other graduation requirements as described in the college catalog.

PROGRAM OUTLINE OF RECORD
DEGREE/CERTIFICATE MODIFICATION

MEDICAL TRANSCRIPTION (M)

MAS701/MCE701

The purpose of the course is to prepare the individual to be a medical language specialist who will apply the knowledge of medical terminology, anatomy and physiology, and English language rules to the transcription and proofreading of medical dictation from various healthcare providers. The individual will interpret and transcribe dictation by physicians and other healthcare professionals regarding patient assessment, therapeutic procedures, and clinical course, to provide a permanent medicolegal record of patient care. This includes preparing the individual to recognize, interpret and evaluate inconsistencies in the grammar of the spoken word and appropriately edit, revise and clarify it without changing the meaning of the dictation. The individual will be prepared to demonstrate an understanding of the medicolegal responsibilities and implications related to the transcription of documents in order to protect the patient and the institution/business facility. The operation of designated word processing, dictation and transcription equipment and software will be included.

Certificate Program

Program Learning Outcomes

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

- Demonstrate the skills needed in the Medical Transcription profession.

Required Courses (26 units)		Units
AMY-10	Survey of Human Anatomy and Physiology	3
MDA-1A	Medical Terminology IA	3
MDA-1B	Medical Terminology IB	3
MDA-58A	Medical Transcription	5
CAT-30	Business English	3
Electives	(Choose from list below)	9
<hr/>		
Electives (9 units)		
MDA-58B	Advanced Medical Transcription	3
MDA-60	Survey of Human Diseases	2
MDA-61	Pharmacology for Medical Office Personnel	2
BUS/CAT/CIS-3	Computer Applications for Business	3
CAT-50	Keyboarding and Document Processing	3
CAT/CIS-84	Word Processing: WordPerfect for Windows	3
CAT/CIS-80	Word Processing: Microsoft Word for Windows	3

Associate of Science Degree

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

Technical Review Committee

Draft Agenda

2:30 p.m. October 15, 2015

Spruce Street Conference Room 343

A. Agenda and Minutes Approval

B. New Stand Alone Courses:

	Title	Location	Action	Comment
The course is designed to meet lower-division transfer requirements for CSU San Bernardino and CSU Fullerton for communication majors, and fulfill general education requirements at most transfer institutions:				
COM-20	Introduction to Communication Theory	N		
Currently, the only Hip-Hop class offered at RCC is a multi-leveled course. In order to refine movement technique and advance appropriate dance students, we need to separate the Hip-Hop class into a beginning level class and an intermediate level class:				
DAN-D31B	Hip-Hop Dance - Intermediate	R		
This course is one of five new courses which will be combined with six existing courses in order to provide a series of five stackable certificates leading to an Associate of Science degree in Quality Assurance Management. Each certificate follows the body of knowledge presented by internationally recognized certification exams:				
MAG-73	Quality Inspection and Test	R		
This course will replace MUS-37 with two leveled courses to accommodate more advanced players:				
MUS-96A	Class Guitar I	NR		

C. New Courses: None

D. Course Inclusions:

	Title	Location	Action	Comment
This course is needed to support an Art History ADT to be proposed at Norco College:				
ART-12	Asian Art History	N		

E. Distance Education:

	Title	Location	Action	Comment
COM-20	Introduction to Communication Theory	MNR		Hybrid and Online

F. Minor Course Modifications:

	Title	Location	Action	Comment
The following courses are being modified to update the course materials:				
BUS-20	Business Mathematics	N		
BUS-80	Principles of Logistics	N		
BUS-85	Warehouse Management	N		
BUS-87	Purchasing and Supply Management	N		
BUS-90	International Logistics	N		
The following courses have been modified to update the course materials:				
COM-85A	Communication Studies Clinic I	R		
COM-85B	Communication Studies Clinic II	R		

G. Major Course Modifications:

	Title	Location	Action	Comment
The following course is being modified to update the course description, SLO, course content, MOI, MOE, sample assignments and course materials.				
AUT-52A	Automotive Tune-up and Electrical Systems	R		
The following courses are being updated to link to the new GESLOs and to update the course materials:				
COM-1	Public Speaking	MNR		
COM-1H	Honors Public Speaking	MNR		
COM-2	Persuasion in Rhetorical Perspective	MNR		
COM-3	Argumentation and Debate	MNR		
COM-5	Parliamentary Procedure	NR		
The following course has been modified to update the SLOs, course content, sample assignments and course materials:				
COM-6	Dynamics of Small Group Communication	MNR		
The following course has been modified to update the SLOs, MOI, and course materials:				

	Title	Location	Action	Comment
COM-7	Oral Interpretation of Literature	MNR		
The following courses have been modified to updated the SLOs and to link to the new GESLOs and to update the course materials:				
COM-9	Interpersonal Communication	MNR		
COM-9H	Honors Interpersonal Communication	MNR		
COM-11	Storytelling	NR		
The following course had been modified to link the SLOs to the GESLOs:				
COM-13	Gender and Communication	MNR		
The following courses are being updated to link to the new GESLOs and to update the sample assignments and the course materials:				
COM-19	Reader's Theater	NR		
The following course is being modified to add a prerequisite of "DEH-20B," to update the SLOs, course content, MOI, MOE, sample assignments and course materials:				
DEH-30A	Clinical Dental Hygiene #3	M		
The following course is being modified to add a prerequisite of DEH-30A, 31, 32, 33, 34, 35, 36 and 37," update the SLOs, course content, MOI, MOE, sample assignments and course materials:				
DEH-30B	Clinical Dental Hygiene #4	M		
The following course is being modified to add a prerequisite of "DEH-20B," to update the SLOs, course content, MOI, MOE, sample assignments and course materials:				
DEH-31	Clinical Seminar #2	M		
The following course is being modified to add a prerequisite of DEH-20B, change the units from 2.5 to 3, change the lecture hours from 36 to 40, change the laboratory hours from 27 to 45, update the SLOs, course content, MOI, MOE, sample assignments and course materials:				
DEH-32	Dental Materials	M		
The following course is being modified to add a prerequisite of DEH-20B, update the SLOs, course content, MOI, MOE, sample assignments and course materials:				
DEH-33	Periodontology	M		
DEH-34	Community Dental Health Ed #1	M		
DEH-35	Community Dental Health Education Practicum #1	M		
DEH-36	Research Methodology	M		
DEH-37	Nutrition in Dentistry	M		
The following course is being modified to add a prerequisite of DEH-30B, update the SLOs, course content, MOI, MOE, sample assignments and course materials:				

	Title	Location	Action	Comment
DEH-40	Clinical Dental Hygiene #5	M		
DEH-41	Clinical Seminar #3	M		
DEH-42	Practice Management and Jurisprudence	M		
DEH-43	Advanced Periodontology	M		
DEH-44	Community Dental Health Education #2	M		
DEH-45	Community Dental Health Education Practicum #2	M		
DEH-46	Advanced Topics in Dental Hygiene	M		
The following courses have been modified to update the entry skills, and sample assignments:				
HIS-21	History of Ancient Greece	M		
HIS-22	History of Ancient Rome	M		
The following course is being modified to update the SLOs, course content, Sample assignments and course materials:				
MUS-25	Jazz Appreciation	MNR		

H. Course Exclusions:

	Title	Location	Action	Comment
The following courses have not been offered at MVC for either many years or not at all:				
KIN-36	Wellness: Lifestyle Choices	M		
KIN-38	Stress Management	M		
KIN-A11	Tennis, Beginning	M		
KIN-A12	Tennis, Intermediate	M		
KIN-A13	Tennis, Advanced	M		
KIN-A43	T'ai-chi Ch'uan, Beginning	M		
KIN-A44	T'ai-chi Ch'uan, Intermediate	M		
KIN-A83	Kickboxing Aerobics	M		

I. Course Deletions: None

J. New State Approved Certificates: None

- K. State/Locally Approved Certificate/Degree Modifications:
 - a. Stick Welding
 - b. TIG Welding
 - c. Wire Welding

- L. State Certificate/Degree Deletions: None
- M. Modification to discipline name:
 - a. Commercial Music (MUC) to Music Industry Studies (MIS)

- N. Discussion

PROGRAM OUTLINE OF RECORD
DEGREE/CERTIFICATE MODIFICATION

STICK WELDING (SMAW) (R)

CE824

This certificate provides students with the technical knowledge and skill in oxyacetylene cutting, and SMAW welding to be able to enter into the welding career of either a structured steel field or shop environment. With these new skills, students will be able to obtain entry level employment as a welder's helper in the field or in welding shops welding structural steel.

Certificate Program

Program Learning Outcomes

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

- Demonstrate knowledge and ability of SMAW process, safety, and oxyacetylene cutting.
- Demonstrate advanced knowledge and ability of SMAW, welding symbols, and safety.
- Differentiate between each of the welding process used in the welding industry.
- Demonstrate knowledge of AWS welding codes.

Required Courses (11 units)

	Units
WEL-15	3
WEL-16	3
WEL-34	2
WEL-61A	3
OR	
WEL-61B	3

PROGRAM OUTLINE OF RECORD
DEGREE/CERTIFICATE MODIFICATION

TIG WELDING (GTAW) (R)

CE819

This certificate provides students with the technical knowledge and skill, in the oxyacetylene cutting and GTAW welding, to be able to enter into a welding career either in the field or shop environment. With these new skills, students will be able obtain entry level employment as a welder's helper in the field or as a beginning welder in a production setting welding thin materials.

Certificate Program

Program Learning Outcomes

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

- Demonstrate knowledge and ability in oxyacetylene cutting, beginning SMAW welding process, and safety.
- Demonstrate knowledge and ability in the GTAW welding process, welding symbols, and safety.
- Differentiate between each of the welding processes used in the welding industry.
- Demonstrate knowledge of AWS welding codes.

Required Courses (11 units)	Units
WEL-15 Introduction to Basic Shielded Metal Arc Welding	3
WEL-34 Metal Joining Processes	2
WEL-55A Gas Tungsten Arc Welding-Plate Materials	3
WEL-61A American Welding Society/Los Angeles City Welding I	3
OR	
WEL-61B AMERICAN WELDING SOCIETY/LOS ANGELES CITY WELDING II	3

PROGRAM OUTLINE OF RECORD
DEGREE/CERTIFICATE MODIFICATION

WIRE WELDING (FCAW, GMAW) (R)

CE818

This certificate provides students with the technical knowledge and skill, in the oxyacetylene cutting and FCAW/GMAW welding, to be able to enter into a welding career either in the field or shop environment. With these new skills, students will be able to obtain entry level employment as a welder's helper or in a shop production welding setting welding structural steel, parts of medium thickness, or sheet steel.

Certificate Program

Program Learning Outcomes

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

- Demonstrate knowledge and ability of beginning level of SMAW welding process, safety, and oxyacetylene cutting.
- Demonstrate knowledge and ability of the FCAW and GMAW welding processes, welding symbols, and safety.
- Differentiate between each of the welding processes used in the welding industry.
- Demonstrate knowledge of AWS welding codes.

Required Courses (11 units)

	Units
WEL-15 Introduction to Basic Shielded Metal Arc Welding	3
WEL-34 Metal Joining Processes	2
WEL-35 Semi-Automatic Welding	3
WEL-61A American Welding Society/Los Angeles City Welding I	3
OR	
WEL-61B American Welding Society/Los Angeles City Welding II	3

TECHNICAL REVIEW COMMITTEE MINUTES

October 1, 2015 2:30 p.m.
 Spruce Street, Conference Room #343

Faculty Chair: Steven Schmidt, Tech Review Chair

Members Present:

Norco College:

Brian Johnson..... Curriculum Committee Chair

Moreno Valley College

Carolyn Quin..... Curriculum Committee Chair

Riverside City College:

Greg Burchett..... Curriculum Committee Chair

Committee Staff:

Sylvia Thomas..... Associate Vice Chancellor, Educational Services

Naomi Foley..... Administrative Support

Guests:

Carol Farrar, Dean of Instruction, Norco

Bob Fontaine, Associate Professor, Emergency Medical Services

Donna Lesser, Associate Professor, Dental Hygiene, Moreno Valley College

Ann Yoshinaga, Associate Dean, Public Safety Training and Education

A. MSC Johnson/Quin approved the agenda for today’s meeting with the addition of DEH-20b, 23, 24, 25, 26, 27, and 28 and the minutes from the September 17, 2015.

B. New Stand Alone Courses: MSC Burchett/Quin forward the following to the college curriculum committees for approval or information after the suggested changes have been completed:

	Title	Location	Action	Comment
The following courses will be part of the second 10 unit certificate in Entrepreneurship:				
BUS-31	Financing Your Business	N		Hold for changes to correct “start-up”, and to revise the course description and shorten the SLOs
BUS-33	Business Structure and Legal Issues	N		Hold for changes to correct “start-up”, a few typos and to revise the course description.

The following proposal was not accepted. The suggestion from Tech Review was to create separate courses or group the modules into several courses. Steven Schmidt showed examples of courses from New York and also suggested adding in the code/regulation that makes the course mandatory for Fire personnel.

	Title	Location	Action	Comment
This course will update the skills and knowledge of fire service personnel to keep up with existing and new equipment and policies:				
FIT-XX	Fire Inservice Training	M		

C. New Courses (not stand alone): None

D. Course Inclusion: None

E. Distance Education: None

F. Minor Course Modifications: None

G. Major Modifications: MSC Johnson/Quin forward the following to the college curriculum committees for approval or information after the suggested changes have been completed:

	Title	Location	Action	Comment
The following courses have been modified to add a prerequisite of “DEH-10B and 19,” and to update the SLOs, course content, MOI, MOE, sample assignments and course materials:				
DEH-20A	Clinical Dental Hygiene #1	M		Slight revision to the course content, and removal of the reference to Blackboard in the MOE
The following courses have been modified to add a prerequisite of “DEH-20A, 21, 22, 23, 24, 25,26, 27, and 28,” and to update the SLOs, course content, MOI, MOE, sample assignments and course materials:				
DEH-20B	Clinical Dental Hygiene #2	M		removal of the reference to Blackboard in the MOE and correction to the wording in course content
The following courses have been modified to add a prerequisite of “DEH-10B and 19,” and to update the SLOs, course content, MOI, MOE, sample assignments and course materials:				
DEH-21	Clinical Seminar #1	M		Change discuss to describe in the SLOs
DEH-22	Oral Radiology Interpretation	M		Correction to the ordering of the coreq and prereq.
DEH-23	Introduction to Periodontology	M		Correction to the ordering of the coreq and prereq.

DEH-24	Ethics	M		Correction to the ordering of the coreq and prereq.
DEH-25	Medical and Dental Emergencies	M		Correction to the ordering of the coreq and prereq. and change discuss to describe in the SLOs
DEH-26	Dental Treatment of Geriatric and Medically Compromised Patients	M		Correction to the ordering of the coreq and prereq. and change discuss to describe in the SLOs and make a couple of corrections in the MOE
The following course has been modified to change the units from 3 to 2.5 and change the lecture hours from 54 to 45 and to add a prerequisite of “DEH-10B and 19,” and to update the SLOs, course content, MOI, MOE, sample assignments and course materials:				
DEH-27	Oral Pathology	M		Correction to the ordering of the coreq and prereq. and correct the hours in the course description
The following course has been modified to add a prerequisite of “DEH-10B and 19,” and to update the SLOs, course content, MOI, MOE, sample assignments and course materials:				
DEH-28	Basic and Applied Pharmacology	M		Correction to the ordering of the coreq and prereq.

A. Course Exclusions: Major Modifications: MSC Johnson/Quin forward the following to the college curriculum committees for approval or information:

	Title	Location	Action	Comment
The following courses have not been offered in the past 3 years and they don't anticipate offering them in the future:				
ACC-38	Managerial Accounting	N		
BUS-53	Introduction to Personal Finance	N		
BUS-70	Introduction to Organization Development	N		
MAG-52	Employee Training and Development	N		
MAG-70	Introduction to Organization Development	N		
MKT-50	Marketing Research	N		
RLE-84	Real Estate Appraisal	N		
RLE-86	Escrow Procedures	N		

B. Course Deletions: Major Modifications: MSC Quin/Burchett forward the following to the college curriculum committees for approval or information:

	Title	Location	Action	Comment
The following courses are outdated and have been replaced:				
FIT-I2A	Instructor 2A, Techniques of Evaluation	M		
FIT-I2C	Instructor 2C, Employing Audio Visual Aids	M		

C. New State Approved Certificates/Degrees: None

D. New Locally approved Certificate: Major Modifications: MSC Johnson/Quin forward the following to the college curriculum committees for approval or information:

a. Business Information Worker (R)

E. State/Locally Approved Certificate/Degree Modifications: None

F. State Certificate/Degree Deletions: None

G. Discussion:

a. TBA content and objectives- Steven Schmidt showed an example of two different ways that the separation of lecture and lab could be formatted in the COR using MUS-5.

Technical Review Committee

Draft Agenda

2:30 p.m. October 1, 2015

Spruce Street Conference Room 343

A. Agenda and Minutes Approval

B. New Stand Alone Courses:

	Title	Location	Action	Comment
The following courses will be part of the second 10-unit certificate in Entrepreneurship:				
BUS-31	Financing Your Business	N		
BUS-33	Business Structure and Legal Issues	N		
This course will update the skills and knowledge of fire service personnel to keep up with existing and new equipment and policies:				
FIT-XX	Fire Inservice Training	M		

C. New Courses: None

D. Course Inclusions: None

E. Distance Education: None

F. Minor Course Modifications: None

G. Major Course Modifications:

	Title	Location	Action	Comment
The following courses have been modified to add a prerequisite of "DEH-10B and 19," and to update the SLOs, course content, MOI, MOE, sample assignments and course materials:				
DEH-20A	Clinical Dental Hygiene #1	M		
DEH-21	Clinical Seminar #1	M		

H. Course Exclusions:

	Title	Location	Action	Comment
The following courses have not been offered in the past 3 years and they don't anticipate offering them in the future:				
ACC-38	Managerial Accounting	N		

BUS-53	Introduction to Personal Finance	N		
BUS-70	Introduction to Organization Development	N		
MAG-52	Employee Training and Development	N		
MAG-70	Introduction to Organization Development	N		
MKT-50	Marketing Research	N		
RLE-84	Real Estate Appraisal	N		
RLE-86	Escrow Procedures	N		

I. Course Deletions:

	Title	Location	Action	Comment
The following courses are outdated and have been replaced:				
FIT-I2A	Instructor 2A, Techniques of Evaluation	M		
FIT-I2C	Instructor 2C, Employing Audio Visual Aids	M		

J. New State Approved Certificates:

- a. Business Information Worker (R)

K. State/Locally Approved Certificate/Degree Modifications: None

L. State Certificate/Degree Deletions: None

M. Discussion:

- a.

PROGRAM OUTLINE OF RECORD
NEW CERTIFICATE OF ACHIEVEMENT

BUSINESS INFORMATION WORKER

COLLEGE: RIVERSIDE CITY

TOP CODE: 0514

The Business Information Worker Certificate of Achievement is designed to prepare students for entry-level and administrative support in a variety of fields and businesses.

Certificate Program

Program Learning Outcomes

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

- Demonstrate computer literacy with respect to computer hardware and software applications
- Apply standard rules of business conduct and customer service.
- Develop specialized keyboarding skills at an employable level of accuracy and speed.
- Use word processing, spreadsheet, presentation graphics, and scheduling software to perform business and office tasks.
- Apply oral and written communication skills in various business and office environments.
- Design, modify, query, and manipulate lists (database and information in workbooks using common formulas, data and what if scenario tools to organize and convey information.

Required Courses (19 units)		Units
CAT-1A	Business Etiquette	1
CAT/CIS/BUS-3	Computer Applications for Business	3
CAT-31	Business Communications	3
CAT-51	Intermediate Keyboarding/Document Formatting	3
CAT/CIS-90	Microsoft Outlook	3
CAT/CIS-93	Computers for Beginners	3
CAT/CIS-98A	Introduction to Excel	1.5
CAT/CIS-98B	Advanced Excel	1.5

TECHNICAL REVIEW COMMITTEE MINUTES

September 17, 2015 2:30 p.m.
 Spruce Street, Conference Room #343

Faculty Chair: Steven Schmidt, Tech Review Chair

Members Present:

Norco College:

Brian Johnson..... Curriculum Committee Chair

Moreno Valley College

Carolyn Quin..... Curriculum Committee Chair

Riverside City College:

Greg Burchett..... Curriculum Committee Chair

Committee Staff:

Sylvia Thomas..... Associate Vice Chancellor, Educational Services

Toni Van Buhler Administrative Support

Naomi Foley..... Administrative Support

Guests: Donna Lesser, Associate Professor, Dental Hygiene

Kevin Fleming, Dean of Instruction, CTE Programs and Grants

A. MSC Johnson/Quin approved the agenda for today’s meeting and the minutes from the September 3, 2015 meeting with corrections to typos and to add more description to the discussion about Dental Hygiene entry skills.

B. New Stand Alone Courses: None

C. New Courses (not stand alone): None

D. Course Inclusion: None

E. Distance Education: None

F. Minor Course Modifications: None

G. Major Modifications: MSC Johnson/Quin forward the following to the college curriculum committees for approval or information:

	Title	Location	Action	Comment
The following course is being modified to update the SLOs, course content, MOI, MOE, sample assignments and course materials:				
BIO-15	Soil Science and Management Laboratory	R		Fix minor typos and remove periods

The following course is being modified to update the SLOs, course content, MOI, MOE, sample assignments and course materials:				
DEH-10B	Pre-Clinical Dental Hygiene #2	M		
The following course is being modified to change the units from 1.5 to 1 and the lecture hours from 18 to 27, to update the SLOs, course content, MOI, MOE, sample assignments and course materials:				
DEH-16	Preventive Dentistry	M		Remove extra 'and' and periods and fix typos
The following course is being modified to update the SLOs, course content, MOI, MOE, sample assignments and course materials:				
DEH-17	General Pathology	M		Fix typo
The following course is being modified to change the units from 1.5 to 2.5 and the lecture hours from 25 to 27 and 36 to 54 laboratory hours, to update the SLOs, course content, MOI, MOE, sample assignments and course materials:				
DEH-19	Pain Control	M		

H. Course Exclusions:

	Title	Location	Action	Comment
These courses have never been offered and will not be offered due to faculty limitations:				
BIO-31A	Regional Field Biology Studies	M		
BIO-31B	Regional Field Biology Studies	M		

I. Course Deletions: None

J. New State Approved Certificates/Degrees: None

K. New Locally approved Certificate: None

L. State/Locally Approved Certificate/Degree Modifications: None

M. State Certificate/Degree Deletions: None

N. Discussion:

a. Procedures for TBA in the COR

Email thoughts and perspectives about TBA for the Curriculum Handbook to Greg. It would be a good idea to define Lab content for either TBA or CID or as standard practice for any lecture/lab course. Changes to include TBA will be addressed when the COR is being updated in the regular cycle. The list has not been reconciled with the COR in CurricUNET.

b. Course content, course objectives and course SLOs

Steven presented an example of how the objectives come from the content and the SLOs come from the objectives using a Fundamental Fishing Skills course. It will be sent out so it can be used in the discussions about objectives and SLOs.

c. Remove the Integrated Course Outline document on the CurricUNET website will be removed.

d. Should SLOs be mapped to PLOs? Yes, Norco is doing that now.

Technical Review Committee

Draft Agenda

2:30 p.m. September 17, 2015

Spruce Street Conference Room 343

- A. Agenda and Minutes Approval
- B. New Courses: None
- C. New Stand Alone Courses: None
- D. Course Inclusions: None
- E. Distance Education: None
- F. Minor Course Modifications: None
- G. Major Course Modifications:

	Title	Location	Action	Comment
The following course is being modified to update the SLOs, course content, MOI, MOE, sample assignments and course materials:				
BIO-15	Soil Science and Management Laboratory	R		
The following course is being modified to update the SLOs, course content, MOI, MOE, sample assignments and course materials:				
DEH-10B	Pre-Clinical Dental Hygiene #2	M		
The following course is being modified to change the units from 1.5 to 1 and the lecture hours from 18 to 27, to update the SLOs, course content, MOI, MOE, sample assignments and course materials:				
DEH-16	Preventive Dentistry	M		
The following course is being modified to update the SLOs, course content, MOI, MOE, sample assignments and course materials:				
DEH-17	General Pathology	M		
The following course is being modified to change the units from 1.5 to 2.5 and the lecture hours from 25 to 27 and 36 to 54 laboratory hours, to update the SLOs, course content, MOI, MOE, sample assignments and course materials:				
DEH-19	Pain Control	M		

H. Course Exclusions:

	Title	Location	Action	Comment
These courses have never been offered:				
BIO-31A	Regional Field Biology Studies	M		
BIO-31B	Regional Field Biology Studies	M		

- I. Course Deletions: None
- J. New State Approved Certificates/Degrees: None
- K. State/Locally Approved Certificate/Degree Modifications: None
- L. State Certificate/Degree Deletions: None
- M. Discussion:
 - a. Procedures for TBA in the COR
 - b. Course content, course objectives and course SLOs

TECHNICAL REVIEW COMMITTEE MINUTES

September 3, 2015 2:30 p.m.
 Spruce Street, Conference Room #343

Faculty Chair: Steven Schmidt, Tech Review Chair

Members Present:

Norco College:

Brian Johnson..... Curriculum Committee Chair

Moreno Valley College

Carolyn Quin..... Curriculum Committee Chair

Riverside City College:

Greg Burchett..... Curriculum Committee Chair

Committee Staff:

Sylvia Thomas..... Associate Vice Chancellor, Educational Services

Toni Van Buhler Administrative Support

Naomi Foley..... Administrative Support

Guests: Donna Lesser, Associate Professor, Dental Hygiene

- A. MSC Johnson/Quin approved the agenda for today’s meeting and the minutes from the May 28, 2015 meeting (1 abstention).
- B. New Stand Alone Courses: None
- C. New Courses (not stand alone): None
- D. Course Inclusion: None
- E. Distance Education: None
- F. Minor Course Modifications: None
- G. Major Modifications: MSC Johnson/Quin forward the following to the college curriculum committees for approval or information:

	Title	Location	Action	Comment
The following course is being modified to update the SLOs, course content, MOI, MOE, course materials and add sample assignments:				
DEH-10B	Pre-Clinical Dental Hygiene #2	M		
The following course is being modified to change the units from 3.5 to 3 and the lecture hours from 67 to 49.5 and laboratory hours from 16 to 13.5, also to update the course content, MOI, MOE course materials and add sample assignments:				
DEH-14	Systems Analysis of Dental Anatomy, Morphology, Histology and Embryology	M		

Placed on hold with the following comments

	Title	Location	Action	Comment
The following course is being updated to add an advisory of “REA-83 and qualification for ENG-1A,” update the entry skills, SLOs, MOI, MOE, and add sample assignments:				
PHI-14	Survey of Black Thought	R		Suggestion to add more recent content and also to make the sample assignments more course specific, to modify the wording of one SLO removing “To allow the student to” and changing the wording in the last SLO “Analyze and evaluate the data.”

Discussion took place regarding how to address the second year courses; should all the 1st year courses be prerequisites? Since these corequisites are required by the Dental Hygiene accrediting body, are the entry skills needed? It’s better to add the skill (s). Committee agreed that how it is written looks good.

Discussion took place regarding the heading “entry skills” and how this does not describe the content that must be included in this field such as regarding co-requisites or advisories.

H. Course Exclusions: None

I. Course Deletions: None

J. New State Approved Certificates/Degrees: None

K. New Locally approved Certificate: None

L. State/Locally Approved Certificate/Degree Modifications: None

M. State Certificate/Degree Deletions: None

N. Discussion:

- i. Updated COR lists: List of active CORs and their revision dates for each college. Data can be filtered by date and/or discipline. Also shows whether or not a pending proposal exists for that COR and the date the proposal was created.
TBA indicates that sections have been offered in 2014-2015 and Fall 2015 with TBA hours.