

NORCO COLLEGE CURRICULUM COMMITTEE MINUTES

November 24, 2015 - 2:00 pm
ST 107

Brian Johnson chaired the meeting.

Members Present:

Brian Johnson.....Math and Sciences
Rex Beck.....Business, Engineering & Information Technologies
Nicole Capps.....Communications
Dr. Kevin Fleming.....Dean of Instruction, Career & Technical Education
Nicholas Franco.....Social and Behavioral Sciences
Dr. Diane Dieckmeyer.....Vice President of Academic Affairs
Mitzi Sloniger.....Communications
Dr. Monica Gutierrez.....Math and Sciences
Dr. Teresa Friedrich Finnern.....Math and Sciences
Diane Palmer.....Arts, Humanities and World Languages

Members Absent:

Ladylyn Dominquez.....Social and Behavioral Sciences
Vivian Harris.....Library
Dr. Carol Farrar.....Dean of Instruction
Musa Rasheed.....ASNC

Guests:

Dean Hines.....Business, Engineering & Information Technologies

Committee Support:

Nicole C. Ramirez.....Office of the Dean of Instruction

- A. Meeting called to order at 2:05pm
- B. Motion to approve November 24, 2015 agenda – MSC: V. Harris/ L. Dominquez. Add new discussion item #2Curriculum report to senate. Strike out D2. New Stand Alone Courses a-c. Strike out D6 Course Exclusions z-cc. Committee approves.
- C. Motion to approve November 10, 2015 minutes – MSC: V. Harris/ L. Dominquez. Committee approves.
- D. Norco Action Items: Norco College Approval Items for 11/24/15
 1. **New Courses: NONE**
 2. **New Stand Alone Courses:** Industry has expressed a need for basic machine shop practices using manual machine tools: ***** This course is a degree certificate.**
 - a) **MAN-36 Machine Shop (N) ~~Non~~-degree credit** Motion to approve R. Beck/N. Capps ****Approved****

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:

b) MAN-39 Machine Shop Theory (N) Motion to approve N.Capps/M. Sloniger **Approved**

3. Course Inclusions: NONE

4. Distance Education:

a. THE-3 Introduction to the Theater (MNR) Motion to approve N. Capps/M. Sloniger **Approved**

5. Major Course Modification: The following course is being modified to separate lab and lecture content and update the course materials:

a) ENG-4 Writing Tutor Training (MNR) Motion to approve N. Capps/M. Gutierrez **Approved * Under Methods of Evaluation, take out the word 'attendance'.**

The following course is being modified to update the SLOs, and course content:

b) KIN-30 First Aid and CPR (MNR) Motion to approve N. Capps/N. Franco **Approved**

The following course is being modified to add laboratory content, update the SLOs, sample assignments and course materials:

c) MAN-56 CNC Machine Set-Up and Operation (N) Motion to approve N. Capps/M. Sloniger **Approved**

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:

d) MAN-57 CNC Program Writing (N) Motion to approve N. Capps/M. Sloniger **Approved * Naomi will be moving this course into the college que today.**

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:

e) REA-4 Critical Reading as Critical Thinking (MNR) Motion to approve M. Sloniger / N. Capps **Approved**

The following course is being modified to reword the prerequisite, update the course description, SLOs, course content and course materials:

f) ESL-90A Special Topics in ESL: Improving Note Taking Skills (MNR) Motion to approve N. Capps/D. Palmer **Approved**

6. **Course Exclusions:** These courses have hardly ever been offered or not at all at Norco:

All course exclusions a –p have been motioned to approve M. Gutierrez/ N. Capps ****Approved****

- a) ADJ-10 Introduction to Security (N)
- b) ADJ-15 Narcotics (N)
- c) ADJ-18 Institutional and Field Services (N)
- d) ADJ-20 Introduction to Corrections (N)
- e) ADJ-21 Control and Supervision in Corrections (N)
- f) ADJ-22 Legal Aspects of Corrections (N)
- g) ADJ-25 Introduction to Probation and Parole (N)
- h) ADJ-30 Introduction to Family Support Law (N)
- i) EAR-23 Family Home Child Care Program (N)
- j) EAR-37 School Age Child Care (N)
- k) EAR-52 Parenting: Parents as Teachers (N)
- l) EAR-53 Parenting: Guiding Young Children (N)
- m) EAR-54 Parenting: Contemporary Parenting (N)
- n) EAR-55 Parenting: Common Problems in Infancy (N)

7. **Course Deletions:** The following course is no longer used in any of our certificates:

- a) MAN-75A Robotic Systems (N) Motion to approve M. Sloniger / N. Capps ****Approved****

No longer used in any of our certificates. If it is used, we will be deleting these courses from any certificates in which they appear:

- b) SCT-2 Supply Chain Technology Analysis and Models (N) Motion to approve M. Sloniger / N. Capps ****Approved****
- c) SCT-3 Supply Chain Technology (N) Motion to approve M. Sloniger / N. Capps ****Approved****
- d) SCT-4 Transportation Technology and Vehicle Routing (N) Motion to approve M. Sloniger / N. Capps ****Approved****

8. **New State Approved Certificates/Degrees:** NONE

9. **New Locally Approved Certificate:** NONE

10. **Modifications to State/Locally Approved Certificates/Degrees:** These program modifications were not reviewed/approved at the recent District Tech Review meeting. We anticipate they will be on the December 3rd agenda for Tech Review.

~~a) Game Art Character Modeling (N)~~

~~b) Game Art Environments and Vehicles (N)~~

11. **Deletion of Certificate/Degrees:** NONE

12. **Modification of Discipline Name:** NONE

E: Information Items:

Course	Title	Location	Comment
1. New Courses:			
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	
This course will enhance the current offering of honors courses:			
HIS-2H	Honors History of World Civilizations II	R	
2. New Stand Alone Courses:			
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	
New course for students wishing to play in pep band:			
MUS-97	Pep Band	R	
3. Course Inclusions: None			
4. Distance Education: None			
5. Major Course Modifications:			
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:			
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	
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-85B	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 updated to link to the new GESLOs and to update the course materials:			
ENG-39	Screenwriting II	R	Postponed RCC
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	
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	
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	
6. Course Exclusions:			
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	
7. Course Deletions:			
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	
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	
8. New State Approved Certificates/Degrees: None			
9. New Locally Approved Certificate: None			
10. Modification to State/Locally Approved Certificate/Degrees: None			
11. Deletion of Certificate/Degrees: None			
12. Modification to Discipline Name			

F. Discussion / Information items:

- 1. Curriculum by-laws:** Brian Johnson provided handouts of bylaws obtained from Moreno Valley College and a Term of Office document for the committee to review and revise as needed. Requested committee members to email him any additional changes and he will submit to the committee the updated draft document.
- 2. Additional Degree requirement proposal from counseling.** Nick Franco spoke to the committee and distributed multiple handouts to review. At the last counseling meeting there was a unanimous vote to create a proposal for those additional degree requirements (health ed and self-development); we include them in part of plan A. In the pink handout there is a description on the 'plan A' GE pattern. Our local GE pattern requirement is 22 units and the CSU is 39 units minimum and IGETC is 34 to 37 units. The proposal is that lets incorporate the additional requirements into the 'plan A' RCCD GE, so if it is

part of our local GE pattern, the students following plan B and C the students won't need to worry about taking the additional requirements. This is done at a lot of community colleges. It can be college specific.

3. **Credit for extra institutional learning question.** Brian Johnson said this issue might come up at the district meeting on Monday, December 7th and asked for volunteers (Rex Beck) who have more knowledge on the matter, to speak on this issue.

G. Announcements: NONE

H. Other Business-Open Hearing: NONE

Next Meeting: December 8, 2015. * Room ST 107

1 **Riverside Community College District**
2 **Moreno Valley College**

3
4 **BYLAWS OF THE**

5 **Curriculum Committee**

6 **Article I- Name**

7 The name of this standing committee of the Academic Senate shall be the Moreno
8 Valley College Curriculum Committee, herein after referred to as the "Curriculum
9 Committee." It shall be a constituent assembly of members as representatives from
10 academic departments, programs, and student services.

11 **Article II- Purpose**

12 Section 1: The purpose of the Curriculum Committee shall be to approve all credit
13 and non-credit courses and educational programs of the college and to make
14 recommendations to the Academic Senate related to them.

15 Section 2: The Curriculum Committee also has responsibility for the processes
16 involved in meeting all quality assurance standards for distance education courses.

17 Section 3: It is the responsibility of the Curriculum Committee to make sure that the
18 college curriculum is sound, that it complies with all regulations, and that it helps
19 students achieve their educational and professional goals.

20 Section 4: The Curriculum Committee must comply with the regulations of the
21 Brown Act.

22 **Article III- Members**

23 Section 1: Classes of members.

24 Members of the Curriculum Committee can be voting and non-voting and will
25 represent the organizational structure of the college, including academic
26 departments, student services, articulation, assessment, matriculation, library,
27 counseling, part-time faculty, students, and administration.

28 Section 2: Voting Members.

29 The voting members of the Curriculum Committee shall be the faculty chair, other
30 faculty who serve as the elected representatives from the departments of the
31 college, faculty or staff representatives from programs and services related to
32 curriculum and distance education to include the Articulation Officer, the faculty
33 Assessment Coordinator, a representative of the Matriculation office, a Librarian, a
34 faculty representative from counseling, a member of the part-time faculty, and a
35 student representative.

1 Section 3: Other members.

2 The non-voting members shall be the Vice President Academic Affairs, the Dean(s)
3 of Instruction, and the staff Recorder.

4 Section 4: Eligibility for membership.

5 Members of the Curriculum Committee must be full-time or part-time employees of
6 the college with responsibility for courses, programs, learning resources,
7 assessment, matriculation, advising, or other academic services related to
8 instruction. The exception will be the student member.

9 Section 5: Membership requirements.

10 Members must be elected or appointed by their departments, programs, or offices,
11 to represent their department or area appointed by the Academic Senate, or be an
12 administrator at the college with primary responsibilities related to the courses and
13 programs, distance education, and quality of the curriculum.

14 The elected members of the Curriculum Committee shall serve two-year terms
15 beginning with the first day of fall semester. The election or appointment of the
16 members shall be determined by the department, position, office or program being
17 represented.

18 The members shall hold office for a term of two years and until their successors are
19 elected. Any position that has not been filled by the first official meeting of the fall
20 or spring semester for any reason shall be considered vacant. Members who miss
21 three consecutive meetings, or more than four meetings during a semester, may be
22 asked by the chair(s) to resign.

23 Section 6: Resignation.

24 When a member of the Curriculum Committee must resign for any reason, he/she
25 may be replaced by the department, position, office or program represented by the
26 member who resigned to complete the term.

27 **Article IV- Officers**

28 Section 1: Name the officers.

29 The Curriculum Committee shall have a faculty chair, elected by its members, an
30 administrative co-chair, who shall be the Vice-President Academic Affairs or a
31 designee, and a Recorder.

32 The faculty chair shall preside at all meetings, set the agenda in consultation with
33 the administrative co-chair and the district Educational Support Services office, and
34 coordinate communications with the members, the Academic Senate, and the public
35 in collaboration with the Recorder and the Webmaster.

1 The Recorder shall be appointed by the Vice-President Academic Affairs or a
2 designee. The Recorder shall give notice of all meetings and keep a faithful record of
3 all meetings (minutes).

4 Section 2: Nominations, Elections, and Term of Office.

5 The Chair of the Curriculum Committee shall be elected by a simple majority of the
6 voting members for a term of two years or until the successor is elected. The
7 election of the chair will occur during the spring semester of the academic year, and
8 the term will begin on July 1 of that year.

9 Section 3: Eligibility.

10 To be eligible for the office of Chair, the faculty member must have served on the
11 Curriculum Committee or in the Academic Senate for two years or more, and it is
12 recommended that the member be tenured.

13 To be eligible for the office of administrative co-chair, the individual must be the
14 Vice President Academic Affairs at the college or a designee.

15 Section 4 . Removal from Office.

16 The elected faculty chair can be removed from office and such action requires a two-
17 thirds majority of the voting members.

18 Section 5. Vacancies.

19 If the faculty chair position becomes vacant, the position shall be filled by election.
20 The administrative co-chair will receive nominations and chair the meeting for the
21 election. In this case, the administrative co-chair will issue ballots and will be able
22 to vote.

23 Article V- Meetings

24 Section1: Meetings

25

26 The regular meetings of the Curriculum Committee shall be on the second and
27 fourth Tuesdays of each month during the fall and spring semesters of the academic
28 year, unless otherwise noted in the annual schedule of meetings. The exact meeting
29 dates are set in cooperation with the District Curriculum Committee and the
30 curriculum committees of Norco College and Riverside City College and are posted
31 online on the CurricUNET Home Page. The meeting dates and times of the
32 Curriculum Committee will be announced at the beginning of the academic year and
33 before each meeting using the MV-FACULTY list serv and posted on a public board.

34 The afternoon meeting time at Moreno Valley College will be determined by the
35 Curriculum Committee, but will not begin before 2:00 p.m. and will not end after
36 5:00 p.m., unless there is an announcement of an exception.

1 Members and the public will receive the agenda for meetings five working days
2 prior to the regular meeting by email and by posting of a public announcement.

3 Section 2: Quorum.
4

5 A quorum for the voting members of the Curriculum Committee shall be eight (8)
6 out of 14 members or a majority of members. If there are one or more vacancies in
7 the membership, the quorum shall be reduced by the number of vacancies (not
8 absences) at that meeting.
9

10 Section 3. Special Meetings.
11

12 The faculty chair or the administrative co-chair may call a special meeting. A group
13 of three or more members can call for a special meeting by signing a petition stating
14 the purpose for the meeting and delivering it to the faculty chair or the
15 administrative co-chair. The meeting date will be set within the parameters of the
16 Brown Act and the meeting will be announced within the time frame set by that Act.
17 No other business can be transacted except that for which the meeting was called.
18

19 Section 4: Cancellation of a regularly scheduled meeting
20

21 The faculty chair or the administrative co-chair may cancel a meeting, if needed.
22 Members will be notified by email. If needed and appropriate, the meeting will be
23 rescheduled under the conditions permitted by the Brown Act.
24

25 Section 5: Electronic and other meetings.
26

27 In the event that a vote is deemed necessary before the next regularly scheduled or
28 special meeting, or if an initial quorum is not met, the chair may initiate an
29 electronic voting request by email or other electronic means previously agreed upon
30 by the members.
31

32 The e-mail or other electronic communication must state the time limits for voting,
33 and the votes counted must represent a quorum of the members for the action to be
34 valid. The results of the action will be read into the minutes at the next regular
35 meeting. This method should only be used in extenuating circumstances as defined
36 by the chair.
37

38 **Article VI-Committees**

39 Section 1: Agenda Review Committee
40

41 The Agenda Review Committee will be a standing committee of the Curriculum
42 Committee. It will be composed of the faculty chair and the administrative co-chair
43 who will work collaboratively with the district Office of Educational Services, the
44 Articulation Officer, faculty with course and/or program proposals, and other
45 individuals prior to the meeting to set the agenda for each regular or special

1 meeting. Members may volunteer or be asked to participate in the Agenda Review
2 Committee as topics related to their areas of expertise are included on the agenda.

3 4 Section 2: Other Committees

5
6 The Curriculum Committee may establish other special committees as needed to
7 address the scope of duties of the Curriculum Committee. The faculty chair and the
8 administrative co-chair may establish special committees, appoint the chair of the
9 committees, and fill vacancies on the committees. When the tasks assigned to special
10 committees have been completed, the chair of the special committee will turn over
11 all documents to the recorder and make a report to the Curriculum Committee. All
12 records of activities become a part of the continuous record of the Curriculum
13 Committee.

14 **Article VII-Parliamentary Authority**

15
16 The rules contained in the current edition of *Robert's Rules of Order, Newly Revised*
17 shall govern the Curriculum Committee in all instances to which they are applicable
18 and in which they are not inconsistent with these Bylaws, the Bylaws of the
19 Academic Senate, or any special rules of order the College or District may adopt.

20 21 **Article VIII- Amendment of Bylaws**

22 23 Section 1: Review of Bylaws

24
25 These Bylaws shall be reviewed every two years in odd-numbered years.

26 27 Section 2: Amendments to the Bylaws

28 Amendments to these Bylaws may be proposed by the chair or by written petition of
29 two-thirds of the voting members of the Curriculum Committee and submitted to
30 the chair for the agenda.

31 Section 3: Notice of Amendments to Bylaws

32
33 The proposed amendment(s) must be included in the notice of a regular meeting for
34 the first reading and considered at two (2) meetings, provided the amendment(s)
35 was in the call for the meeting. At the second regular meeting, the amendment(s)
36 may be considered for vote.

- 37
- 38 a. To become effective, any amendment so proposed must be approved and
39 adopted by a two-thirds majority of the Curriculum Committee.
 - 40
 - 41 b. Once approved, an amendment becomes part of the Bylaws until the
42 biennial review occurs. At that time, the amendment may be
43 incorporated into the Bylaws.
 - 44

Article IX- Publishing of Bylaws

1
2
3
4
5
6
7
8
9
10
11

Section 1: Posting of the Bylaws

An electronic copy of these Bylaws shall be posted on the college website so that members of the public will have access to it.

- a. The official copy of these Bylaws shall be left with the Recorder and archived with Curriculum Committee minutes.
- b. Any amendment to these Bylaws shall be distributed to all members of the Curriculum Committee and the Academic Senate upon adoption and added to the electronic copy.

Norco College
California State University General Education Requirements 2015-2016

The courses listed below will fulfill the lower division general education requirements for all CSU campuses.

To obtain a Bachelor's degree from a CSU campus, a student must complete 48 units of general education. A community college can certify 39 of these units as having fulfilled the CSU lower division general education requirements. The remaining 9 units of upper-division general education coursework are to be taken at the CSU campus after transfer. A course can only be certified if it was approved for CSU GE when it was taken.

A. English Language Communication and Critical Thinking (min. 9 semester or 12 quarter units) – Select one course from each group: *Grades of “C” or better are required.*

A-1: Oral Communication:

COM-1 Public Speaking or
 COM-1H Honors Public Speaking
 COM-6 Dynamics of Small Group Communication
 COM-9 Interpersonal Communication or
 COM-9H Honors Interpersonal Communication

A-3: Critical Thinking:

COM-2 Persuasion in Rhetorical Perspective
 COM-3 Argumentation and Debate
 ENG-1B Critical Thinking and Writing or
 ENG-1BH Honors Critical Thinking and Writing

A-2: Written Communication:

ENG-1A English Composition or
 ENG-1AH Honors English Composition

MAT-32 Introduction to Symbolic Logic (Same as PHI-32)
 PHI-11 Critical Thinking
 PHI-32 Introduction to Symbolic Logic (Same as MAT-32)
 REA-4 Critical Reading as Critical Thinking

B. Scientific Inquiry and Quantitative Reasoning (min. 9 semester or 12 quarter units) – Select one course from each group: *Also, one of the science courses must have a lab—see underlined courses.*

B-1: Physical Science:

CHE-1A General Chemistry I
CHE-1B General Chemistry II
CHE-2A Introductory Chemistry I
CHE-2B Introductory Chemistry II
CHE-3 Fundamentals of Chemistry
 CHE-10 Chemistry for Everyone
CHE-12A Organic Chemistry I

CHE-12B Organic Chemistry II
 GEG-1 Physical Geography or
 GEG-1H Honors Physical Geography
GEG-1L Physical Geography Lab
 (has a Corequisite of GEG-1 or 1H)
 GEG-5 Weather and Climate
 PHS-1 Introduction to Physical Science

PHY-2A General Physics I
PHY-2B General Physics II
PHY-4A Mechanics
PHY-4B Electricity and Magnetism
PHY-4C Heat, Light and Waves
 PHY-10 Introductory General Physics
PHY-11 Physics Lab (has a Corequisite of PHY-10)

B-2: Life Science:

AMY-2A Anatomy and Physiology I
AMY-2B Anatomy and Physiology II
 ANT-10 Survey of Human Anat. and Phys.
 ANT-1 Physical Anthropology or
 ANT-1H Honors Physical Anthropology
BIO-1 General Biology or
BIO-1H Honors General Biology

BIO-3 Field Botany
BIO-5 General Botany
BIO-7 Marine Biology
BIO-8 Principles of Ecology
 BIO-10 Life Science Principles
BIO-11 Introduction to Molecular and
 Cellular Biology

BIO-12 Introduction to Organismal and
 Population Biology
BIO-17 Human Biology
 BIO-34 Human Genetics
 BIO-36 Environmental Science
MIC-1 Microbiology
 PSY-2 Biological Psychology

B-3: Laboratory Activity:

This requirement is satisfied by completion of any course in B-1 or B-2 with a laboratory. Lab courses are underlined.

B-4: Mathematics/Quantitative Reasoning (Grade of “C” or better is required; min. 3 semester or 4 quarter units):

MAT-1A Calculus I
 MAT-1B Calculus II
 MAT-1C Calculus III
 MAT-2 Differential Equations
 MAT-3 Linear Algebra

MAT-4 Finite Mathematics
 MAT-5 Calculus for Business and Life Science
 MAT/CSC-6 Discrete Mathematics for
 Computer Science
 MAT-10 Pre-Calculus

MAT-11 College Algebra
 MAT-12 Statistics or
 MAT-12H Honors Statistics
 MAT-25 Mathematics for the Liberal Arts Student
 MAT-36 Trigonometry

C. Arts and Humanities (min. 9 semester or 12 quarter units) – Select three courses, *with at least one course from “Arts” and one course from “Humanities”:*

C-1: Arts:

ARE-35 History of Architecture – Beginning through Gothic
 ARE-36 History of Architecture – Renaissance to Modern
 ART-1 History of Western Art: Prehistoric, Ancient and Medieval
 ART-2 History of Western Art: Renaissance through Contemporary or
 ART-2H Honors History of Western Art: Renaissance through Contemporary
 ART-5 History of Non-Western Art

ART-6 Art Appreciation or
 ART-6H Honors Art Appreciation
 ART-7 Women Artists in History
 ART-8 Mexican Art History
 ART-9 African Art History
 ART-10 Modern and Contemporary Art History
 COM-7 Oral Interpretation of Literature
 COM-11 Storytelling
 DAN-6 Dance Appreciation
 GAM-21 History of Video Games
 MUS-3 Fundamentals of Music

MUS-19 Music Appreciation or
 MUS-19H Honors Music Appreciation
 MUS-23 History of Rock and Roll
 MUS-25 Jazz Appreciation
 MUS-26 Film Music Appreciation
 MUS-89 Music of Multicultural America or
 MUS-89H Honors Music of Multicultural America
 THE-3 Introduction to the Theater
 THE-9 Dramatic Literature – Script Analysis
 THE-29 Musical Theater Appreciation

C-2: Humanities:

CHI-1 Mandarin Chinese 1
 CHI-2 Mandarin Chinese 2
 CHI-11 Culture and Civilization
 COM-7 Oral Interpretation of Literature
 ENG-1B Critical Thinking and Writing or
 ENG-1BH Honors Critical Thinking and Writing
 ENG-6 British Literature I: Anglo-Saxon through 18th century
 ENG-7 British Literature II: Romanticism through Postmodernism
 ENG-8 Intro. to Mythology (Same as HUM-8)

ENG-48 Short Story and Drama from 20th century to the present
 FRE-1 French 1
 FRE-2 French 2
 FRE-3 French 3
 FRE-8 Intermediate Conversation
 FRE-11 Culture and Civilization
 HIS-1 History of World Civilizations I
 HIS-2 History of World Civilizations II
 HIS-6 Political and Social History of the U.S. or
 HIS-6H Honors Political and Social History of

HUM-10H Honors World Religions
 HUM-11 Religion in America
 HUM-16 Arts and Ideas: American Culture
 HUM-18 Death: An Interdisciplinary Perspective
 HUM-23 The Bible as Literature (Same as ENG-23)
 HUM-35 Philosophy of Religion (Same as PHI-35)
 JPN-1 Japanese 1
 JPN-2 Japanese 2
 JPN-3 Japanese 3
 JPN-4 Japanese 4
 JPN-11 Culture and Civilization

Area 4 – Social and Behavioral Sciences (min. 9 semester or 12 quarter units) – Select three courses from at least two disciplines:

ADJ-1 Introduction to the Administration of Justice
 ADJ-3 Concepts of Criminal Law
 ANT-1 Physical Anthropology* or
 ANT-1H Honors Physical Anthropology *
 ANT-2 Cultural Anthropology
 ANT-3 Prehistoric Culture
 ANT-4 Native American Cultures
 ANT-5 Cultures of Ancient Mexico
 ANT-6 Introduction to Archaeology
 ANT-7 Anthropology of Religion
 ANT-8 Language and Culture
 COM-12 Intercultural Communication*
 COM-13 Gender Communication
 EAR-20 Child Development
 ECO-4 Introduction to Economics**
 ECO-7 Principles of Macroeconomics or
 ECO-7H Honors Principles of Macroeconomics
 ECO-8 Principles of Microeconomics or
 ECO-8H Honors Principles of Microeconomics

GEG-2 Human Geography
 GEG-3 World Regional Geography
 GEG-4 Geography of California
 GEG-6 Geography of the U.S. and Canada
 HIS-1 History of World Civilizations I*
 HIS-2 History of World Civilizations II*
 HIS-6 Political and Social History of the U.S. * or
 HIS-6H Honors Political and Social History of the U.S. *
 HIS-7 Political and Social History of the U.S. * or
 HIS-7H Honors Political and Social History of the U.S. *
 HIS-14 African American History I*
 HIS-25 History of Mexico*
 HIS-26 History of California*
 HIS-31 Introduction to Chicano/a Studies*
 HIS-34 History of Women in America*
 JOU-7 Mass Communications
 POL-1 American Politics or
 POL-1H Honors American Politics
 POL-2 Comparative Politics

POL-4 Introduction to World Politics or
 POL-4H Honors Introduction to World Politics
 POL-5 The Law and Politics
 POL-11 Political Theory
 POL-13 Introduction to American Foreign Policy
 PSY-1 General Psychology
 PSY-2 Biological Psychology*
 PSY-8 Introduction to Social Psychology
 PSY-9 Developmental Psychology
 PSY-33 Theories of Personality
 PSY-35 Abnormal Psychology
 PSY-50 Research Methods in Psychology
 SOC-1 Introduction to Sociology or
 SOC-1H Honors Introduction to Sociology
 SOC-2 American Social Problems
 SOC-3 Social Inequality in American Society
 SOC-10 Race and Ethnic Relations
 SOC-12 Marriage and Family Relations
 SOC-15 Women in American Society
 SOC-20 Introduction to Criminology
 SOC-50 Introduction to Social Research Methods

Area 5 – Physical and Biological Sciences (min. 7 semester or 9 quarter units) – Select at least one Physical and one Biological Science course. One of the two courses must include a lab – see underlined courses:

5A – Physical Science:

CHE-1A General Chemistry I
CHE-1B General Chemistry II
CHE-2A Introductory Chemistry, I**
CHE-2B Introductory Chemistry, II
CHE-3 Fundamentals of Chemistry**
 CHE-10 Chemistry for Everyone**
CHE-12A Organic Chemistry I

CHE-12B Organic Chemistry II
 GEG-1 Physical Geography
 GEG-1H Honors Physical Geography
GEG-1L Physical Geography Laboratory
 (has a Corequisite of GEG-1 or 1H)
 GEG-5 Weather and Climate
 PHS-1 Introduction to Physical Science

PHY-2A General Physics I**
PHY-2B General Physics II**
PHY-4A Mechanics**
PHY-4B Electricity and Magnetism**
PHY-4C Heat, Light and Waves**
PHY-10 Introductory General Physics**
PHY-11 Physics Lab (has a Corequisite of PHY-10)

5B - Biological Science:

AMY-2A Anatomy and Physiology I
AMY-2B Anatomy and Physiology II
 AMY-10 Survey of Human Anatomy and Physiology
 ANT-1 Physical Anthropology* or
 ANT-1H Honors Physical Anthropology*
BIO-1 General Biology or
BIO-1H Honors General Biology

BIO-3 Field Botany
BIO-5 General Botany
BIO-7 Marine Biology
BIO-8 Principles of Ecology**
BIO-10 Life Science Principles**
BIO-11 Intro. to Molecular and Cellular Biology
BIO-12 Intro. to Organismal and Population Biology

BIO-17 Human Biology
 BIO-34 Human Genetics
 BIO-36 Environmental Science**
MIC-1 Microbiology
 PSY-2 Biological Psychology*

5C – Science Laboratory: This requirement is satisfied by completion of any course in 5A or 5B with a laboratory. Lab courses are underlined.

Area 6 – Languages Other Than English (Select one course – UC requirement only):

6A:

CHI-1 Mandarin Chinese 1
 CHI-2 Mandarin Chinese 2
 FRE-1 French 1
 FRE-2 French 2
 FRE-3 French 3

JPN-1 Japanese 1
 JPN-2 Japanese 2
 JPN-3 Japanese 3
 JPN-4 Japanese 4
 SPA-1 Spanish 1 or
 SPA-1H Honors Spanish 1

SPA-2 Spanish 2 or
 SPA-2H Honors Spanish
 SPA-3 Spanish 3
 SPA-3N Spanish for Spanish Speakers
 SPA-4 Spanish 4

Or 6B: Proficiency equivalent to two years of high school in the same language. (Students from non-English speaking countries should see a counselor for language proficiency equivalencies.)

CSU Graduation Requirement Only in United States History, Constitution and Government:

Although this is not part of the IGETC, it is a CSU graduation requirement that you can complete at a community college before you transfer. HIS-6 or 6H, 7 or 7H, 14, 31, or 34 may also be used to partially fulfill area 3B or 4. POL-1 or 1H may also be used to partially fulfill area 4.

1. U.S. History

HIS-6 Political and Social History of the U.S. or
 HIS-6H Honors Political and Social History of the U.S.
 HIS-7 Political and Social History of the U.S. or
 HIS-7H Honors Political and Social History of the U.S.
 HIS-14 African American History I
 HIS-31 Introduction to Chicano/a Studies
 HIS-34 History of Women in America

2. Constitution and Government

POL-1 American Politics or
 POL-1H Honors American Politics

Note: Norco College's POL-1 fulfills the CSU graduation requirement in both U.S. government and California state and local government. Students with a score of 3 or higher on the AP U.S. Government and Politics exam or who have taken a U.S. government class at a regionally accredited out-of-state institution may have fulfilled the U.S. government requirement but will still need to fulfill the California state and local government in order to graduate from the CSU.

IGETC Advisement: Former UC, CSU and students with coursework from other four-year institutions, including outside the U.S., should consult with a counselor to determine whether they should complete IGETC or the lower-division general education requirements at the campus they plan to attend.

For the UC: Students who initially enroll at a UC campus, then leave and attend a California Community College, and subsequently return to the same UC campus, are considered "re-admits" by the UC. Such students cannot use IGETC. However, students who enroll at a UC campus, then leave and attend a California Community College, and subsequently return to a different UC campus may use the IGETC pattern. It is recommended that students meet with a counselor to discuss possible further IGETC limitations.

Notes:

1. * Courses cannot be double-counted to satisfy more than one area, even if a course is listed in more than one area. The only exceptions to this are several courses in Area 6A – Language Other Than English, which can also be counted towards area 3B.
2. ** UC limits transfer credit for some courses. Students may review the UC Transfer Course Agreement (TCA) with a counselor for information on course limitations.
3. Some of the UC campuses do not accept or recommend IGETC for certain majors, (i.e. Engineering, Sciences). Students should consult with a counselor to determine the most appropriate general education pattern for their major and intended transfer institution.
4. A score of 3, 4, or 5 on an Advanced Placement exam can be used to satisfy all areas on the IGETC except for the 1B- Critical Thinking-English Composition and 1C - Oral Communication requirements.

RCCD - Counseling Discipline Additional Degree Requirements Recommendation

Background

Beginning with our 2015-2016 catalog for our terminal associate degrees (Non-ADT's), students now have the option of selecting which general education pattern to follow: Plan A - RCCD GE - Plan B- CSU GE - Plan C- IGETC.

The District Academic Senate asked the curriculum committee to bring up the discussion about the current Additional Degree Requirements and to send a recommendation to the District Academic Senate from the 3 separate curriculum committees.

The MVC Curriculum Committee requested a recommendation from the RCCD Counseling Discipline.

Now that students have three different options of general education paths to follow to get associate degrees, the Counseling Discipline made the following recommendation on October 29, 2015.

RCCD Counseling Discipline recommendation regarding Additional Degree Requirements

General education pattern to follow: Plan A - RCCD GE - Plan B- CSU GE - Plan C- IGETC

- Create an Area E in the RCCD local pattern.
- Move additional degree requirements into general Education Requirements Area E (5 unit requirement) into RCCD local general education pattern option A.
- This will eliminate additional degree requirements for students following Plan B- CSU GE - Plan C- IGETC for students planning to transfer (to mirror requirements for the AD-Ts).
- At this time, the RCCD Counseling Discipline is not requesting to add additional courses to the proposed Area E and a separate process will be followed as required by the curriculum process.

Research

The Articulation Officers researched other community colleges in California to see what has been done regarding adding an area E to local GE. They reviewed A.A. / A.S. degrees and graduation requirements 2015-2016 for several colleges including Mt. San Antonio College, Mt. San Jacinto College, Citrus College, College of the Desert, Long Beach City College, Los Angeles Trade Technical College among others.

The Articulation Officers found that the majority of the California community colleges researched have added an Area E – Health, Wellness and Self Development to the local GE

NORCO
COLLEGE
RIVERSIDE COMMUNITY COLLEGE DISTRICT
Associate Degree Requirements
2015-2016

The governing board of the Riverside Community College District shall confer the degree of associate in one of the eight areas of emphasis upon the student who has demonstrated competence and who has completed the following requirements:

Residence Requirement:

In order to receive an A.A. /A.S. degree from Riverside Community College District, a student must complete 15 units in residence at one of the colleges within the Riverside Community District.

Academic Coursework Taken at other Colleges and Universities:

Official transcripts from all schools and colleges attended must be dated within the preceding 90 days/3 months, be in their original sealed envelope, and be submitted to the Admissions and Records office at the student's home college. Course credit is accepted from all regionally accredited institutions as listed at www.collegesource.org. Credits from institutions, which are in candidacy status, will be accepted after full accreditation is granted. The two years preceding full accreditation will also be applicable towards the AA/AS Degree. Honors for graduation will be calculated in the same manner.

Grade Point Average Requirement:

A student must have a minimum grade point average of not less than 2.0 ("C" average) in work taken at Riverside Community College District. If coursework taken at one or more accredited colleges is used to satisfy degree requirements, the overall cumulative grade point average must not be less than 2.0 and will include the combination of all grades from all transcripts used.

Petition for Graduation:

Students may apply for degrees and certificates during the following application periods:

Summer—First day of summer term through July 15 to apply for summer 2015, fall 2015, winter 2016, spring 2016

Fall—First day of fall term through Oct. 15 to apply for fall 2015, winter 2016, spring 2016

Winter—First day of winter term through Feb. 1 to apply for winter 2016, spring 2016

Spring—First day of spring term through April 1 to apply for spring 2016

Students who apply during these periods may participate in the Commencement ceremony as long as they are missing no more than 9 units to graduate.

Certificate and Associate Degree Applications:

Students will need to log into their WebAdvisor account online and choose Degree Application or Certificate Application from the Students Menu in order to apply for their degree/certificate. All official college transcripts or verifying documents must be on file with Norco College in order for the Evaluations/Graduation office to review applications and determine eligibility. A graduation check with a counselor is recommended before applying.

Second Degrees:

A student may earn more than one degree (AA/AS) from Norco College. Students who have met degree requirements in a previous academic year and have not maintained continuous enrollment will be awarded the degree in the term in which the application is submitted, provided all current degree requirements are met.

Catalog Rights:

Graduation requirements apply to students who are enrolled for any term (summer, fall, winter, spring) indicated by this catalog ~ summer 15 through spring 16. Students who enrolled prior to this current year and who have maintained continuous enrollment have the option of meeting the current requirements or those in effect at the time their continuous enrollment began. Continuous enrollment is defined as attendance of one term during each academic year.

Scholastic Honors at Commencement:

Honors at commencement will be awarded to students with a cumulative GPA of 3.30 or higher. Their names are listed in the commencement program as receiving the Associate Degree with Distinction (3.30 GPA) or with Great Distinction (3.70 GPA). A gold tassel will be worn by students graduating with honors. Coursework taken during the final spring semester will not be used to calculate honors at commencement. Grade point averages are not rounded up. The cumulative GPA includes coursework taken at Riverside Community College District and at all other accredited institutions.

Dean's List:

Each semester, those students who have demonstrated outstanding scholastic achievement by completing at least 12 units of credit-graded work in one semester or 12 units of credit-graded work earned in no more than one academic year (fall, winter and spring, with summer being excluded) with a grade point average of 3.0 or better (completed units will be considered only once for a particular Dean's List) will be recognized by a letter from the Dean of Instruction.

General Education Requirements:

General education is designed to introduce students to a breadth of study through which people comprehend the modern world. It reflects the conviction of Riverside Community College District that those who receive their degrees must possess in common certain basic principles, concepts and methodologies both unique to and shared by the various disciplines. Special workshop classes (numbered in the 100 series) cannot be used to fulfill general education requirements. The following basic skills courses are non-degree applicable: English 60AB, 60A1, 60A2, 60A3, 60A4, 80, 90B; English as a Second Language 51, 52, 53, 71, 72, 90 A-M, 91, 92, 95; Mathematics 37, 52, 63, 64, 65, 90A-F, 98; and Reading 81, 82, 83, 86, 87, 95. The following courses are also non-degree applicable: Communication Studies 51, 85A, 85B; English 85; English as a Second Language 65; Nursing-Continuing Education 81; Nursing-Registered 11B, 11C, 12B, 12C, 18, 21B, 21C, 22B, 22C; Nursing-Vocational 52A, 52B, 52C, 62A, 62B, 62C.

As part of the Associate of Arts or Associate of Science degree students must complete one of three general education patterns:

-Plan A:

The Riverside Community College District General Education (RCCD GE) pattern which requires a minimum of 22 units. (See next page of handout.)

-Plan B:

The California State University General Education (CSU GE) pattern which requires completion of a minimum of 39 units. (See CSU GE pattern, separate handout.)

-Plan C:

The Intersegmental General Education Transfer Curriculum (IGETC) pattern which requires a minimum of 34 (IGETC for UC) or 37 (IGETC for CSU) units. (See IGETC pattern, separate handout)

Students should see a counselor for advice on selecting the general education plan that will best meet their educational and career goals.

Additional Degree Requirements: In addition to completing one of the three general education patterns listed above students must also complete the requirements in Health Education and Self Development listed below:

A. Health Education (3 units)

Health Science 1 (or completion of the DEH, EMS, PA, VN, or RN program)

B. Self Development (2 or 3 units)

1. Kinesiology (2 activities courses)

KIN 6, 29, 42, 47; Dance 3, 5; any KIN or DAN activity class; MUS 45, 46, 47, 48, 59, 60, 61

OR

2. Fitness and Wellness (3 units)

KIN 4, 30, 35, 36

Note: Students are exempt from the self-development requirement when they complete the Cosmetology program, Registered or Vocational Nursing program, Basic Peace Officer Training Academy, the Firefighter Academy, the EMS program, or the Physician Assistant program.

Students with a Bachelor's Degree :

Students who have been awarded a bachelor's degree from a regionally accredited institution in the United States will be exempt from the general education, and the additional degree requirements in health education and self-development should they pursue an associate of arts or science degree at one of the District's colleges.

Unit Requirement:

The associate degree requires a minimum of 60 degree applicable semester units, of which 18 semester units are in one of the eight areas of emphasis listed on pages 4-8.

THIS IS FOR ADVISING PURPOSES ONLY. NOT A STUDENT EDUCATIONAL PLAN.

Riverside Community College District General Education Requirements – PLAN A (RCCD GE)			C	IP	N
Legend: C=Units Completed, I=Units In Progress, N=Units Needed					
A. <u>Natural Sciences (3 units)</u> Anatomy & Physiology 2A, 2B, 10; Anthropology 1; Astronomy 1A,1B; Biology 1 or 1H, 2A, 2B, 3, 5, 6, 7, 8, 9, 10, 11 or 11H, 12, 14, 15, 17, 20, 30, 31A, 31B, 34, 36, 40, 85; Chemistry 1A or 1AH, 1B or 1BH, 2A, 2B, 3, 10, 12A, 12B, 17; Geography 1, 1/1L, 1H, 1H/1L, 5; Geology 1, 1/1L, 1B, 2, 3, 30A, 30B, 31, 32; Microbiology 1; Oceanography 1, 1/1L; Physical Science 1, 5; Physics 2A, 2B, 4A, 4B, 4C, 4D, 10, 11; Psychology 2 (Waivers granted for COS 60C and ELE 21)					
B. <u>Social and Behavioral Sciences (6 units)</u> 1. <u>American Institutions (3 units)</u> History 6 or 6H, 7 or 7H, 8, 9, 15, 26, 28, 29, 31, 34; Political Science 1 or 1H, 5 AND 2. <u>Social and Behavioral Sciences (3 units)</u> Anthropology 2, 3, 4, 5, 6, 7, 8, 10, 21; Early Childhood Education 20; Economics 4, 5, 6, 7 or 7H, 8 or 8H, 9, 10; Geography 2, 3, 4, 6; History 1, 2, 4, 5, 11, 12, 14, 19, 21, 22, 25, 32, 35, 40; Human Services 4, 5, 6, 7, 8, 13, 14, 16, 17, 18, 19; Military Science 1, 2; Political Science 2 or 2H, 3, 4 or 4H, 6, 7ABCD, 8, 10ABCD, 11, 12, 13, 14; Psychology 1, 8, 9, 33, 35, 50; Sociology 1 or 1H, 2, 3, 10, 12, 15, 17, 20, 22, 23, 25, 50					
C. <u>Humanities (3 units)</u> American Sign Language 1; Architecture 36; Art (any course); Communication Studies 7; Dance 5, 6 or 6H, 7, 8, 9; English 1B or 1BH, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17ABC, 18, 20, 23, 25, 30, 34, 35, 38, 39, 40, 41, 44, 45, 47, 48, 49; Film, Television and Video (any course); Foreign Language (any course); History 1, 2, 4, 5; Humanities 4 or 4H, 5 or 5H, 8, 9, 10 or 10H, 11, 16, 18, 20ABC, 23, 35; Music (any course); Philosophy 10 or 10H, 12, 13, 14, 15, 19, 22, 33, 35; Photography 8; Theater Arts (any course)					
D. <u>Language and Rationality (10 units)</u> 1. <u>English Composition (4 units)</u> English 1A or 1AH (“C” grade or better) 2. <u>Communication & Analytical Thinking (6-8 units)</u> Select 2 courses from 2 different disciplines: Communication Studies 1 or 1H, 9 or 9H; Computer Information Systems 1A-30; English 1B or 1BH; Mathematics 1-36; Philosophy 11, Philosophy/Math 32					
<u>Additional Degree Requirements</u> A. <u>Health Education (3 units)</u> Health Science 1 (or completion of the DEH, EMS, PA, VN, or RN program) C. <u>Self Development (2 or 3 units)</u> 3. <u>Kinesiology (2 activities courses)</u> KIN 6, 29, 42, 47; DAN 5; any KIN or DAN activity class; MUS 45, 46, 47, 48, 59, 60, 61 OR 4. <u>Fitness and Wellness (3 units)</u> KIN 4, 30, 35, 36 Note: Students are exempt from the self-development requirement when they complete the Cosmetology program, Registered or Vocational Nursing program, Basic Peace Officer Training Academy, the Firefighter Academy, the EMS program, or the Physician Assistant program.					
<u>MATH Competency</u> -Completion of a Riverside Community College District Mathematics course with a grade of “C” or higher selected from MATH 1-36 (excluding MAT-32), or the equivalent [CLEP, AP/IB Exams, Credit by Exam, other pathways such as Completion Counts, courses from other colleges/universities, placement above MATH 35, or Early Assessment Test (EAP for CSU MCAP)]. -See a counselor for more information.					
<u>READING Competency</u> Demonstrated by one of the following: -A satisfactory score on RCCD’s placement test equivalent to placement in college level reading OR; -Completion of Reading-83 with a grade of “C” or higher OR; -A minimum grade of “C” in each general education course OR; -Satisfactory score on a standardized reading test approved by the English department OR; -Students who have completed an associate’s or higher degree at a regionally accredited institution are exempt from the reading competency requirement.					
<u>Unit Requirement:</u> A minimum of 60 degree applicable units are required, of which 18 are in one of the 8 areas of emphasis listed below. UNITS COMPLETED _____ UNITS IN PROGRESS _____ UNITS NEEDED _____					

Associate of Arts:

1. ADMIN. & INFORMATION SYSTEMS
(NAA494/NAA494B/NAA494C)

The student must successfully complete 18 units of study with a Grade of 'C' or better or a 'P' if taken on a 'pass-no pass' basis.

INCLUDED DISCIPLINES AND COURSES:

Required Courses (9 units, selected from the following):

Accounting (ACC) 1A;
Business (BUS) 10, **18A;
Computer Information Systems (CIS) 1A;
Economics (ECO) 7,7H, 8, 8H;
Political Science (POL) 8

Elective Courses (9 additional units, selected from:

Accounting (ACC) 1A, 1B, 38;
Business (BUS) 3, 10, **18A, **18B, 20, 22, 80
Communication Studies (COM) 1, 1H, 6, 9, 9H, 12, 13;
Computer Information Systems (CIS) 1A, 1B, 2, 3, 5;
Computer Applications and Office Tech. (CAT) 3, 31;
Economics (ECO) 4, 6, 7, 7H, 8, 8H;
Library (LIB) 1;
Management (MAG) 44;
Marketing (MKT) 20;
Political Science (POL) 6, 8

A course may only be counted once.

****Credit limitation:** UC will accept a maximum of one course for transfer.

2. COMM., MEDIA & LANGUAGES
(NAA495/NAA495B/NAA495C)

The student must successfully complete 18 units of study across 3 disciplines; 9 units must be taken in a single discipline with a grade of 'C' or better or a 'P' if taken on a 'pass-no pass' basis.

INCLUDED DISCIPLINES AND COURSES:

Anthropology (ANT) 8;
Applied Digital Media (ADM) 1;
Arabic (ARA) 1, 2, 3, 8, 11;
American Sign Language (AML) 1, 2, 3, 4, 5, 10, 11, 12, 13, 14, 20, 22;
Chinese (CHI) 1, 2, 11;
Communication Studies (COM) 1, 1H, 2, 3, 5, 6, 7, 9, 9H, 11, 12, 13, 19;
English (ENG) 1A, 1AH, 1B, 1BH, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 20, 23, 25, 30, 34, 35, 38, 39, 40, 41, 44, 45, 48, 49;
Film Studies (FST) 1, 2, 3, 4, 5, 6, 7, 8
Film, Television and Video (FTV) 12, 44A, 44B, 44C, 44D, 45A, 45B, 45C, 45D, 65;
French (FRE) 1, 2, 3, 4, 8, 11;
German (GER) 1, 2, 3, 11;
Italian (ITA) 1, 2, 3, 11;
Japanese (JPN) 1, 2, 3, 4, 11;
Journalism (JOU) 1, 2, 7, 12, 20A, 20B, 20C, 20D, 52A, 52B, 52C, 52D;
Korean (KOR) 1, 2, 11;
Latin (LAT) 1, 2;
Library (LIB) 1;
Photography (PHO) 12;
Reading (REA): 4;
Portuguese (POR) 1, 2;
Russian (RUS) 1, 2, 3, 11;
Spanish 1, 1A, 1B, 1H, 2, 2H, 3, 3N, 4, 8, 11, 12, 13, 51, 52, 53

3. FINE & APPLIED ARTS
(NAA496/NAA496B/NAA496C)

The student must successfully complete 18 units of study across a maximum of 3 disciplines with 9 units from a single discipline and with a grade of 'C' or better or a 'P' if taken on a 'pass-no pass' basis.

INCLUDED DISCIPLINES AND COURSES:

Applied Digital Media (ADM) 1, 30, 64, 67, 68, 70, 71, 72, 74, 77A, 77B, 80, 88, 200;
Art (ART) 1, 2, 2H, 5, 6, 6H, 7, 8, 9, 10, 12, 15, 16, 17, 18, 20, 21, 22, 23, 24, 25A, 25B, 26, 27, 28A, 28B, 30A, 30B, 34, 35A, 35B, 36A, 36B, 38, 39, 40A, 40B, 41A, 41B, 42A, 42B, 43A, 43B, 44A, 44B, 44C, 45, 46, 47, 48A, 48B, 49A, 49B, 200;
Communication Studies (COM) 1, 1H, 2, 3, 7, 11, 19;
Dance (DAN): 5, 6, 6H, 7, 8, 9, D9, D10, D11, D12, D13, D14, D15, D16, D17, D18, D19, D20, D21, D22, D23, D24, D25, D30, D31, D32, D33, D34, D37, D38, D39, D43, D44, D45, D46, D47, D48, D49, D50, D51, D60;
English (ENG) 11, 12, 13, 17A, 17B, 17C, 38, 39, 49;
Film, Television, and Video (FTV): 38A, 38B, 41, 42, 43, 44A, 44B, 44C, 44D, 45A, 45B, 45C, 45D, 46, 48, 51A, 51B, 51C, 51D, 52, 53, 64, 65, 66, 67, 68, 70, 71A, 72;
Music (MUS): 3, 4, 5, 6, 8A, 8B, 9, 10, 19, 19H, 22, 23, 25, 26, 27, 28, 29, 30, 31, 32A, 32B, 32C, 32D, 33, 35, 36, 37, 38, 39, 41, 42, 43A, 43B, 43C, 44, 48, 49, 50, 51, 52, 53, 54, 55, 57, 58, 61, 65, 68, 69, 70, 73, 77, 81, 82, 83, 84, 87, 89, 92, 93, 94, P12, P36, P44, P84;
Photography (PHO): 8, 9, 10, 17, 20, 200;
Theatre (THE): 2, 3, 4, 5, 6, 25, 26, 29, 30, 32, 33, 34, 35, 36, 37, 38, 39, 41, 44, 46, 48, 49, 54

4. HUMANITIES, PHILOSOPHY, & ARTS
(NAA497/NAA497B/NAA497C)

The student must successfully complete 18 units of study across 3 disciplines; 9 units must be taken in a single discipline. Up to 3 units may be taken in a studio course. The 18 units must be completed with a grade of 'C' or better or a 'P' if taken on a 'pass-no pass' basis.

INCLUDED DISCIPLINES AND COURSES:

American Sign Language (AML): 1, 2, 3, 4, 5, 10, 11, 12, 13, 14, 20, 22;
Anthropology (ANT): 7, 8;
Arabic (ARA): 1, 2, 3, 8, 11;
Architecture (ARE): 36;
Art (ART): 1, 2, 2H, 5, 6, 6H, 7, 8, 9, 10, 12;
Chinese (CHI): 1, 2, 11;
Communication Studies (COM): 1, 1H, 2, 3, 5, 7, 9, 9H, 11, 12, 13, 19;
Dance (DAN): 6, 6H;
English (ENG): 1B, 1BH, 6, 7, 8, 9, 10, 14, 15, 16, 18, 20, 23, 25, 30, 34, 35, 40, 41, 44, 45, 48;
Film, Television & Video (FTV): 12, 65;
Film Studies (FST): 1, 2, 3, 4, 5, 6, 7, 8;
French (FRE): 1, 2, 3, 4, 8, 11;
Game Development (GAM): 21;
German (GER): 1, 2, 3, 11;
History (HIS): 1, 2, 4, 5, 6, 6H, 7, 7H, 8, 9, 14, 15, 21, 22, 25, 26, 28, 29, 31, 32, 34, 35;
Humanities (HUM): 4, 4H, 5, 5H, 8, 9, 10, 10H, 11, 16, 18, 23, 35;
Italian (ITA): 1, 2, 3, 11;
Japanese (JPN): 1, 2, 3, 4, 11;
Korean (KOR): 1, 2, 11;
Latin (LAT): 1, 2;
Library (LIB): 1;
Music (MUS): 19, 19H, 20, 21, 22, 25, 26, 89, 89H, 93;
Philosophy (PHI): 10, 10H, 12, 13, 14, 15, 19, 22, 32, 33, 35;
Political Science (POL): 11;
Portuguese (POR): 1, 2;
Russian (RUS): 1, 2, 3, 11;
Spanish (SPA): 1, 1A, 1B, 1H, 2, 2H, 3, 3N, 4, 8, 11, 12, 13, 51, 52, 53;
Theatre (THE): 3, 29;

Applicable studio courses include (Note that some classes are less than three units.):

Art (ART): 15, 16, 17, 18, 20, 21, 22, 23, 24, 25, 26, 27, 28A, 28B, 30A, 30B, 34, 35, 36A, 36B, 38, 39, 40A, 40B, 41A, 41B, 42A, 42B, 43A, 43B, 44A, 44B, 44C, 45, 46, 47, 48A, 48B, 49A, 49B, 200;
Dance (DAN): 7, 8, 9, D9-D25, D30-D34, D37-D39, D43-D51, D60;
English (ENG) 11, 12, 17A, 17B, 17C, 38;
Music (MUS): 8A, 8B, 9, 10, 12, 28, 29, 30, 31, 32A, 32B, 32C, 32D, 33, 35, 36, 37, 38, 39, 41, 42, 43A, 43B, 43C, 44, 48, 49, 50, 51, 52, 53, 54, 55, 57, 58, 61, 65, 68, 69, 70, 71, 73, 77, 78, 79, 81, 82, 83, 84, 92, 94, P12, P36, P44, P84;
Theatre (THE) 2, 4, 5, 6, 25, 26, 30, 32, 33, 34, 35, 36, 37, 38, 41, 54

5. KINESIOLOGY, HEALTH & WELLNESS
(NAA498/NAA498B/NAA498C)

The student must successfully complete 18 units of study with a grade of 'C' or better or a 'P' if taken on a 'pass-no pass' basis.

INCLUDED DISCIPLINES AND COURSES:

Required Courses (take 3 units in each of the two disciplines):

Health Science (HES): 1

Kinesiology/academic courses (KIN): 4, 6, 8, 10, 12, 16, 17, 18, 24, 25, 26, 27, 28, 29, 30, 33, 34, 35, 36, 38, 47

Elective Courses (12 additional units, selected from the following):

Anatomy and Physiology (AMY): 2A, 2B, 10;

Biology (BIO): 17, 30, 34;

Early Childhood Education (EAR) 26;

Guidance (GUI): 45, 46, 47, 48;

Kinesiology/academic courses (KIN): 4, 6, 8, 10, 12, 16, 17, 18, 24, 25, 26, 27, 28, 29, 30, 33, 34, 35, 36, 38, 47;

Kinesiology/activity courses (KIN): A03, A04, A07, A09, A11, A12, A13, A20, A21, A28, A29, A30, A31A, A31B, A31C, A40, A41, A43, A44, A46, A47, A54, A55, A57, A62A, A64, A67, A68, A69, A74, A75A, A75B, A77, A80, A81, A82, A83, A86, A87, A88, A89A, A89B, A89C, A90, A92,

Kinesiology/varsity courses (KIN): V01, V02, V04, V05, V06, V07, V08, V09, V10, V11, V12, V14, V18, V19, V20, V21, V22, V23, V24, V25, V26, V33, V34, V50, V51, V52, V53, V60, V61, V70, V78, V94, V95

A course may only be counted once except for KIN activity or varsity courses.

6. SOCIAL & BEHAVIORAL STUDIES
(NAA499/NAA499B/NAA499C)

The student must successfully complete 18 units of study across a minimum of 3 disciplines listed below with a grade of 'C' or better or a 'P' if taken on a 'pass-no pass' basis.

INCLUDED DISCIPLINES AND COURSES:

Administration of Justice/Justice Studies (ADJ): 1, 2, 3, 4, 5, 8, 9, 13, 14, 15, 30;

Administration of Justice/Law Enforcement (ADJ): 6, 16, 18, 20, 21, 22, 23, 25;

Anthropology (ANT): 1, 1H, 2, 3, 4, 5, 6, 7, 8, 10, 21;

Communication Studies (COM): 1, 1H, 2, 3, 5, 6, 9, 9H, 12, 13;

Early Childhood Studies (EAR): 19, 20, 25, 28, 33, 40, 42, 43, 47;

Economics (ECO) 4, 5, 6, 7, 7H, 8, 8H, 9, 10;

Geography (GEG): 2, 3, 4, 6;

Guidance (GUI): 47;

History (HIS): 1, 2, 4, 5, 6, 6H, 7, 7H, 21, 22, 35;

Human Services (HMS) 4, 5, 6, 7, 8, 13, 14, 16, 18, 19;

Library Science (LIB): 1;

Political Science (POL): 1, 1H, 2, 2H, 3, 4, 4H, 5, 6,

7ABCD, 8, 10A, 10B, 10C, 10D, 11, 12, 13, 14;

Psychology (PSY): 1, 2, 8, 9, 33, 35;

Sociology (SOC): 1, 1H, 2, 3, 10, 12, 15, 20, 22, 25

Associate of Science:

7. CAREER AND TECHNICAL PROGRAMS

The Associate in Science Degree in Career and Technical Education Programs will be awarded upon completion of the requirements for the certificate or program of 18 units or more with a grade of "C" or better or a "P" if the course is taken on a "pass/nopass" basis plus completion of the graduation requirements as described in the catalog, as well as electives, totaling 60 units of college work as required for the associate degree. Specific requirements for each program are listed in pages 79-99 of the catalog.

50% of the coursework required for any certificate pattern must be completed at Riverside Community College District.

8. MATH AND SCIENCE

(NAS493/NAS493B/NAS493C)

The student must successfully complete 18 units of study with a grade of 'C' or better or a 'P' if taken on a 'pass-no pass' basis.

Required Courses (take one course in each of the 3 categories, including one course with a lab):

Mathematics (MAT):

1A, 4, 5, 10, 11, 12, 12H, 25

Physical Sciences:

Astronomy (AST) 1A, Chemistry (CHE) 1A, 1AH, 2A, 3, 10, Geography (GEG) 1, 1H, 1L, Geology (GEO) 1, 1L, 3, Oceanography (OCE) 1, Physical Science (PHS) 1, Physics (PHY) 2A,4A

Life Sciences:

Anatomy (AMY) 2A, Biology (BIO) 1, 1H, 2A, 5, 7, 8, 9, 11, 11H, 34, 36, Microbiology (MIC) 1

Elective Courses (The remaining units may be taken from any of the following courses:

Anatomy and Physiology (AMY): 2A, 2B, 10;

Anthropology (ANT) 1, 1H;

Astronomy (AST): 1A, 1B;

Biology (BIO) 1, 1H, 2A, 2B, 3, 5, 6, 7, 8, 9, 10, 11, 11H, 12, 17, 30, 34, 36;

Chemistry (CHE): 1A, 1AH, 1B, 1BH, 2A, 2B, 3, 10, 12A, 12B, 17;

Computer Information Systems (CIS): 5, 17A, 17B, 17C, 18A, 18B, 18C;

Electronics (ELE): 21, 23, 24, 25;

Engineering (ENE): 1A, 1B, 10, 21, 22, 23, 26, 27, 28, 30, 31, 35;

Geography (GEG): 1, 1L, 1H, 5;

Geology (GEO): 1, 1L, 1B, 3;

Health Science (HES): 1;

Mathematics (MAT): 1A, 1B, 1C, 2, 3, 4, 5, 10, 11, 12, 12H, 25, 32, 36;

Microbiology (MIC): 1;

Oceanography (OCE): 1, 1L;

Physical Science (PHS): 1, 5;

Physics (PHY): 2A, 2B, 4A, 4B, 4C, 4D, 10, 11;

Psychology (PSY): 2

A course may only be counted once.

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

Total Units:

41.0

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

Total Units:

41.0