This addendum to the 2020-2021 Norco College Catalog contains changes that offer new educational opportunities for students or informational corrections. These updates were approved after the 2020-2021 Catalog was published.

Although every effort has been made to ensure accuracy of the information, students and others who use the catalog and addendum should consult with a counselor, dean, department chair or program director for any additions, deletion or changes.
COURSE MODIFICATIONS

UC Transferable Courses Effective Fall 2020
(August 2020 Addendum)
The following courses are newly designated as UC transferable effective Fall 2020:

ADJ 8, 19, 20
ARE 25
DFT 42, 42B
EAR 40, 43, 47
ENE 40, 41, 42, 42B, 48
ESL 49, 50
GAM 4A, 4B
KIN A43, A44, A62
PHI 36
SOC 10H
THE 2, 4

NEW PROGRAMS

APPRENTICESHIP: MANUFACTURING TECHNICIAN 1
NCE968
(August 2020 Addendum)
This provides students with a first step towards becoming a fully qualified journey level Manufacturing Technician. Through a combination of work-based learning, lectures and lab components, this program includes shaping and forming operations, materials handling, instrumentation and controls, and quality control, as well as computer-aided manufacturing and robotics. This program also includes optimization theory, industrial and manufacturing planning, and related management skills. Completion of this program prepares students for gainful employment as a machine operators, production technicians, CNC Programmers, industrial or manufacturing engineering technicians, or tool setter. To participate in this program, students must register as an apprentice and meet applicable program requirements.

Program Learning Outcomes:
Upon successful completion of this program, students should be able to:
1. Students will apply industry standard safety practices and specific safety requirements for different machining operations.
2. Students will be able to proficiently use equipment, machines, and technology in manufacturing processes.
3. Knowledge of and ability to demonstrate general manufacturing technical practices and procedures that are applicable to all sectors of manufacturing.

Required Courses (14-16 units) Units
APP-450  Apprenticeship Work Experience 4
APP-450  Apprenticeship Work Experience 4
Elective Courses (Choose from the list below) 6-8

Electives (6-8 units) Units
ENE-30  Computer Aided Drafting (CAD) 3
ENE-62  Math for Automated Systems 3
ENE-51  Blueprint Reading 2
MAN-35  Computer Aided Manufacturing-Mastercam 5
MAN-55  Occupational Safety and Health Administration (OSHA) Standards for
APPRENTICESHIP: MANUFACTURING TECHNICIAN 2
NAS967/NAS967B/NAS967C/NCE967
(September 2020 Addendum)

This provides students with a second step towards becoming a fully qualified journey level Manufacturing Technician. Through a combination of work-based learning, lectures and lab components, this program includes shaping and forming operations, materials handling, instrumentation and controls, and quality control, as well as computer-aided manufacturing and robotics. This program also includes optimization theory, industrial and manufacturing planning, and related management skills. Completion of this program prepares students for gainful employment as a machine operators, production technicians, CNC Programmers, industrial or manufacturing engineering technicians, or tool setter. To participate in this program, students must register as an apprentice and meet applicable program requirements.

Program Learning Outcomes:
Upon successful completion of this program, students should be able to:
1. Apply industry standard safety practices and specific safety requirements for different machining operations
2. Produce high precision parts out of a variety of conventional machine tools.
3. Demonstrate advanced manufacturing technical practices and procedures that are applicable to all sectors of manufacturing.
4. Demonstrate knowledge of CNC specific technical work practices, such as blueprint reading, applied math concepts, tools, and measurement concepts.

Required Courses (30-31 units)       Units
APP-450  Apprenticeship Work Experience     16
Elective Courses (Choose from the list below)      14-15

Electives (14-15 units)       Units
ENE-30  Computer Aided Drafting (CAD)     3
ENE-60  Math for Engineering Technology     3
OR
ENE-62  Math for Automated Systems     3
ENE-42  SolidWorks I     3
ENE-51  Blueprint Reading     2
MAN-35  Computer Aided Manufacturing-Mastercam     5
MAN-36  General Machine Shop and Theory of Machining     4
MAN-55  Occupational Safety and Health Administration (OSHA) Standards for General Industry     1
MAN-56  CNC Machine Set-up and Operation     4
MAN-57  CNC Program Writing     3

Required Total Units       30-31 Units

The Associate of Science Degree in Apprenticeship: Manufacturing Technician 2 will be awarded upon completion of the degree requirements, including general education and other graduation requirements as described in the college catalog.
INFORMATIONAL CORRECTIONS

Course Corrections

ADJ-200
(June 2020 Addendum)
The title for this course is incorrect in the catalog, and the limitation on enrollment should be listed as an advisory. The corrected information is below.

ADJ-200
Administration of Justice Work Experience 1-4 Units
CSU
Prerequisite: None
Advisory: Students should have paid or voluntary employment.
Description: Work Experience is designed to coordinate the student’s on-the-job training with workplace skills designed to assist the student in developing successful professional skills. Each student will establish measurable learning objectives appropriate for their job and discipline. Students may earn up to four (4) units each semester, for a maximum of 16 units of work experience total. 60 hours of volunteer work or 75 hours of paid work during the semester are required for each unit. No more than 20 hours per week, out of the 60 or 75 requirement, may be applied toward the work requirement. The course consists of an 18 hours of orientation/professional skills development and 60 hours of volunteer work experience per unit with a maximum of 240 for four units per semester OR 75 hours of paid work experience per unit, with a maximum of 300 for four units per semester.

ELC-421
(June 2020 Addendum)
The cross listing for this course is erroneously listed as ELC-421. The correct cross listing is ELE-421.

ESL-47 through 50 and 847 through 850
(August 2020 Addendum)
The language “or qualifying placement” was missing from the prerequisite statement for the above ESL courses.

MAT-36
(June 2020 Addendum)
MAT-53 is no longer a prerequisite for MAT-36. The corrected course information is below.

MAT-36
Trigonometry 4 Units
(C-ID:MATH 851)
CSU
Prerequisite: MAT-35 or appropriate placement
Description: The study of trigonometric functions, their inverses and their graphs; identities and proofs related to trigonometric expressions; solving trigonometric equations; solving right triangles; solving oblique triangles using the law of sines and cosines; polar coordinates; complex numbers; introduction to vectors and elements of geometry important to the foundation of trigonometry. 72 hours lecture. (Letter Grade or Pass/No Pass option)

REA-1
(May 2020 Addendum)
The CSU transferability designation was omitted from the REA-1 description. The complete description is below.
REA-1
Reading Tutor Training 2 Units
CSU
Prerequisite: None
Advisory: REA-3 or REA-83, ENG-1A or ENG-1AH
Description: Designed to prepare students to become peer tutors in the Reading and Writing Center. Participants
learn specific tutoring techniques and discuss problems, questions, and challenges in tutoring reading. Tutors
develop student-centered, non-intrusive tutoring skills. 27 hours lecture and 27 hours laboratory. (Letter grade or
Pass/No Pass)

WEL-200
(September 2020 Addendum)
WEL-200 was erroneously included in the Norco catalog. This course is not currently offered by the college.

WKX-200
(June 2020 Addendum)
WKX-200 was erroneously omitted from the catalog. The complete description is below.

WKX-200
General Work Experience 1-4 Units
CSU
Prerequisite: None
Advisory: Students should have paid or voluntary employment
Description: Work Experience is designed to coordinate the student’s on-the-job training with workplace skills
designed to assist the student in developing successful professional skills. Each student will establish measurable
learning objectives appropriate for their job and discipline. Students may earn up to four (4) units each semester, for
a maximum of 16 units of work experience total. 60 hours of volunteer work or 75 hours of paid work during the
semester are required for each unit. No more than 20 hours per week, out of the 60 or 75 requirement, may be
applied toward the work requirement. The course consists of an 18 hours of orientation/professional skills
development and 60 hours of volunteer work experience per unit with a maximum of 240 for four units per semester
OR 75 hours of paid work experience per unit, with a maximum of 300 for four units per semester. (Pass/No Pass or
Letter Grade).
Program Corrections

Area of Emphasis (AOE) Corrections  
(June 2020 Addendum)
The following courses are no longer offered within the district and are no longer options for completing the Area of Emphasis degrees:

Communication, Media and Languages  
FRE: 4  
FST: 7, 8  
GER: 1, 2, 3, 11  
KOR: 1, 2, 11  
LAT: 1, 2  
SPA: 52, 53

Fine and Applies Arts  
MUS: 27

Humanities, Philosophy and Arts  
FRE: 4  
FST: 7, 8  
GER: 1, 2, 3, 11  
KOR: 1, 2, 11  
LAT: 1, 2  
SPA: 52, 53

Kinesiology, Health and Wellness  
KIN: A80

Math and Sciences  
BIO: 36

Math and Sciences (NAS493/NAS493B/NAS493C)  
(June 2020 Addendum)  
BIO-2A and BIO-2B were erroneously omitted from the list of options for required and elective courses.

Associate in Arts in Anthropology for Transfer (NAA616/NAA618)  
(August 2020 Addendum)  
The total units for the major were incorrectly listed as 18-21 units. The correct total units are 18-20.

Associate in Arts in Kinesiology for Transfer Degree (NAA890/NAA891)  
(May 2020 Addendum)  
The incorrect requirements were listed in the catalog. KIN-A43 and KIN-A44 are options for students in the Combatives category, and KIN-A62 is an option in the Team Sports section. KIN-A55 was erroneously included as an option in the Team Sports section. The complete, corrected requirements are listed below. For more information on the program, please refer to the catalog.

<table>
<thead>
<tr>
<th>Required Courses (20-23 Units)</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>KIN-10* (Introduction to Kinesiology)</td>
<td>3</td>
</tr>
<tr>
<td>BIO-50A* (Formerly AMY-2A) (Anatomy and Physiology I)</td>
<td>4</td>
</tr>
<tr>
<td>BIO-50B* (Formerly AMY-2B) (Anatomy and Physiology II)</td>
<td>4</td>
</tr>
<tr>
<td>Movement-Based Courses</td>
<td>Select one course from each area below</td>
</tr>
<tr>
<td>List A</td>
<td>Select two courses from the list below</td>
</tr>
</tbody>
</table>
Movement-Based Courses (minimum 3 units)
Select a maximum of one (1) course from each area below:

**Combatives**
- KIN-A40* Karate, Beginning 1
- KIN-A41* Karate, Intermediate 1
- KIN-A43 T’ai-chi Ch’uan, Beginning 1
- KIN-A44 T’ai-chi Ch’uan, 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-A77A* Jogging for Fitness, Beginning 1
- KIN-A77B* Jogging for Fitness, Intermediate 1
- KIN-A81A* Cardio and Strength Training, Beginning 1
- KIN-A81B* Cardio and Strength Training, Intermediate 1
- KIN-A83* Kickboxing Aerobics 1

**Team Sports**
- KIN-A62 Flag Football 1
- KIN-A64* Soccer 1

**List A: Select two courses from the following (6-9 units)**
- BIO-4* (Formerly 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
- OR
  - PSY/SOC-48* Statistics for the Behavioral Sciences 3
- PHY-2A* General Physics I 4
- OR
  - PHY-4A* Mechanics 4

Total Units: 20-23

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

The Associate in Arts 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 “P”) or better.

**Digital Electronics (NAS656/NAS656B/NAS656C/NCE656)**
(June 2020 Addendum)
In the electives section, Fundamentals of Solar Energy is mis-numbered as ELC/ELE-97. The correct number for this course is ELC/ELE-91. For additional information on this program, please see the catalog.

**Supply Chain Automation (NAS924/NAS924B/NAS924C/NCE924)**
(June 2020 Addendum)
In the required courses section, Electrical Theory for Electricians is listed as ELC/ELE/ELC-77. The correct listing for this course is ELC/ELE/MAN-77.

**Informational Corrections**

**Articulated to High School Courses**
(August 2020 Addendum)
MAN-38 and MAN-39 are no longer offered by Norco College and were erroneously included in the list of articulated courses.

**GI Bill® Trademark Omission**
(May 2020 Addendum)
The trademark symbol was omitted on pages 21 and 36 of the course catalog. The reference to the bill should read as follows:

Page 21:
Veterans: Applying for financial assistance through the FAFSA application does not affect your GI Bill® benefits. All veterans should apply for financial assistance by completing the FAFSA application online at [www.fafsa.gov](http://www.fafsa.gov).

Page 36:
VETERANS RESOURCE CENTER
Norco College provides assistance to Veterans and VA dependents for the following benefit programs:
Chapter 30 - Active Duty Educational Assistance Program
Chapter 31 - Veteran’s Administration Vocational Rehabilitation
Chapter 33 - Post-9/11 GI Bill®
Chapter 33TR - Post-9/11 GI Bill® Transfer to VA Dependents

**Moving through English Chart Corrections**
(May 2020 Addendum)
The titles of the courses ESL 46-50 and ESL 846-850 on the Moving Through English chart on page 191 of the catalog were listed incorrectly. The corrected chart can be found at the end of this addendum.

**Competency Requirement**
(May 2020 Addendum)
The title of the “Basic Skills Competency Requirement” in the graduation requirements section has been updated to “Competency Requirement.” Additionally, PSY/SOC-48 are now options to complete the Math Competency Requirement. The updated language for the Math Competency Requirement is below.

“Students must demonstrate minimum competency in mathematics by the successful completion of a Riverside Community College District mathematics course with a “C” or higher selected from Math 1-36 (excluding MAT-32), MAT-53, PSY/SOC-48 or the equivalent [CLEP, AP/IB Exams, Credit by Exam, other pathways such as courses from other colleges/ universities, or Early Assessment Test (EAP for CSU, MCAP)].”

**Norco College Faculty**
(June 2020 Addendum)
The following faculty were omitted from the Norco College Faculty section of the catalog.

**HILL, JANET**
Assistant Professor in Sociology
B.A. in Sociology and Social Welfare, University of California, Berkeley; M.A. in Sociology, University of California, Riverside; Ph.D. in Sociology, University of California Riverside. At Riverside Community College District since 2001.
LINDEMAN, MEGAN
Assistant Professor in Art
BFA in Painting with a Concentration in Art History, Rhode Island School of Design; MFA in Fine Art/Painting, Claremont Graduate University; At Riverside Community College District since 2014.

MOORE, AMMANDA
Assistant Professor of English.
B.A. and M.A. in English, California State University Fullerton. At Riverside Community College District since 2013.

WILLIAMS, SIGRID
Assistant Professor in Administration of Justice
B.A., MPA and EdD in Educational Leadership, California State University Fullerton. At Riverside Community College District since 2017.

WITMER, SUZANNE
Assistant Professor, Health Science/Kinesiology
A.A., Riverside Community College; B.S., California State University, San Bernardino; M.Ed., Azusa Pacific University. At Riverside Community College District from 1999-2005 and since 2017.
# Moving through English, ESL, and Reading

## English Composition at Norco College: Choosing the Best Path for You

Every student has the right to enroll directly into English 1A without taking English 91. If you would like more information on enrolling directly into English 1A without 91, see the challenge/opt in process at the Counseling Office.

- **ENG-1A**
  - English Composition

  or

- **ENG-91**
  - Academic Support for ENG-1A

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- **ENG-1B**
  - Critical Thinking and Writing

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**Note:** Research shows that taking even one class below college-level composition (such as English 50) will make it less likely for students to complete English 1A in part because of the extra and often unnecessary semester in a non-transferable course. However, Norco College offers sections of English 50 for students who want to take an English course before they enroll in English 1A. No students are placed into or required to take English 50.

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## Academic Literacy and Reading

### Transferable Reading Courses

- **REA-3**
  - Reading for Academic and Lifelong Literacy

  Reading 3 provides students with academic and multi-disciplinary (such as Humanities, Science, and Health Fields) reading strategies needed for success in college classes and beyond. This course meets the reading competency graduation requirement, and the CSU and RCCD lifelong learning Area E requirement.

- **REA-4**
  - College Reading as Critical Thinking

  Reading 4 provides students with argument analysis skills required for determining the validity of an author’s opinion. Students learn to critically evaluate all persuasive modes of discourse. This course meets the CSU Critical Thinking requirement.

### Support Courses

- **REA-83**
  - College Reading & Thinking

  Reading 83 reviews reading skills and strategies to help prepare students for college reading. This course meets the reading competency requirement.

- **REA-887**
  - Reading Clinic

  Reading 887 is a non-credit self-paced course that provides practice on individually prescribed learning plans designed to improve and develop reading skills. Instruction is provided on an individualized basis in conferences.

**Note:** These are all individual courses that are not in a sequence.

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## English as a Second Language

### CREDIT PATH

- **ESL-46**
  - Beginning American College English

- **ESL-47**
  - Low-Intermediate Am. College English

- **ESL-48**
  - Intermediate American College English

- **ESL-49**
  - High-Intermediate Am. College English

- **ESL-50**
  - Advanced American College English

- **ENG-1A**
  - English Composition

Students entering English 1A from the ESL pathway should look for the English 1A and 91 paired course that is targeted to multilingual speakers and should talk to their ESL 50/850 instructor about the right choice for them.

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### NON-CREDIT PATH

- **ESL-846**
  - Beginning American College English

- **ESL-847**
  - Low-Intermediate Am. College English

- **ESL-848**
  - Intermediate American College English

- **ESL-849**
  - High-Intermediate Am. College English

- **ESL-850**
  - Advanced American College English

Credit and non-credit courses offer the same material, often in the same classroom. Students who want degree credit, units, or transferable courses should take the credit courses.

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* UC/CSU Transferable

** CSU Transferable Only

*** Associates Degree Applicable Only

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Please visit the Counseling Department if you have any questions about the appropriate course(s) for you.  [http://norcocollege.edu/services/counseling](http://norcocollege.edu/services/counseling)
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:  A-2: Written Communication:
COM-1 Public Speaking or ENG-1A English Composition or English Composition
COM-1H Honors Public Speaking ENG-1AH Honors English Composition
COM-6 Dynamics of Small Group Communication
COM-3 Argumentation and Debate PHI-11 Critical Thinking
COM-9H Honors Interpersonal Communication or PHI-32 Introduction to Symbolic Logic (Same as MAT-32)

A-3: Critical Thinking:
COM-2 Introduction to Persuasion MAT-32 Introduction to Symbolic Logic (Same as PHI-32)
COM-3 Argumentation and Debate PHI-11 Critical Thinking
ENG-1B Critical Thinking and Writing or PHI-32 Introduction to Symbolic Logic (Same as MAT-32)
ENG-1BH Honors Critical Thinking and Writing

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-12B Organic Chemistry, II PHY-2A General Physics I
CHE-1B General Chemistry, II GEG-1 Physical Geography or PHY-2B General Physics II
CHE-2A Introductory Chemistry, I GEG-1H Honors Physical Geography PHY-4A Mechanics
CHE-2B Introductory Chemistry, II GEG-1L Physical Geography Laboratory PHY-4B Electricity and Magnetism
CHE-3 Fundamentals of Chemistry (has a Corequisite of GEG-1 or 1H) PHY-4C Heat, Light and Waves
CHE-10 Chemistry for Everyone GEG-5 Weather and Climate PHY-10 Introduction to General Physics
CHE-12A Organic Chemistry, I PHS-1 Introduction to Physical Science PHY-11 Physics Lab (has a Corequisite of PHY-10)

B-2: Life Science:
ANT-1 Physical Anthropology or BIS-5 General Botany BIO-50A Anatomy and Physiology I (Formerly AMY-2A)
ANT-1H Honors Physical Anthropology BIS-7 Marine Biology BIO-50B Anatomy and Physiology II (Formerly AMY-2B)
ANT-1L Physical Anthropology Laboratory BIO-16 Human Genetics (Formerly BIO-34)
(A has a Corequisite of ANT-1 or 1H) BIO-18 Human Genetics (Formerly BIO-34) (Formerly BIO-11)
BIO-1 General Biology or BIO-19 Environmental Sci. (Formerly BIO-36) BIO-61 Introduction to Organismal and Population Biology
BIO-1H Honors General Biology (Formerly BIO-17) (Formerly BIO-12)
BIO-3 Field Botany BIO-45 Survey Anat. & Phys. (Formerly AMY-10) BIO-3 Survey Botany
BIO-4 Human Biology (Formerly BIO-17) 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-5 Calculus for Business and Life Science MAT-25 Mathematics for the Liberal Arts Student
MAT-1B Calculus II MAT-10 Pre-Calculus MAT-36 Trigonometry
MAT-1C Calculus III MAT-11 College Algebra PSY/SOC-48 Statistics for the Behavioral Sciences
MAT-2 Differential Equations MAT-12 Statistics or
MAT-3 Linear Algebra MAT-12H Honors Statistics

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 - Beg. to Gothic ART-6 Art Appreciation or GAM-2 History of Video Games (Formerly GAM-21)
ARE-36 History of Architecture - Renaissance to Modern ART-6H Honors Art Appreciation MUS-3 Fundamentals of Music
ART-1 History of Western Art: Prehistoric, ANT-7 Women Artists in History MUS-19H Music Appreciation
Ancient and Medieval ART-9 African Art History MUS-19H Honors Music Appreciation
ART-2 History of Western Art: Renaissance ART-10 Modern and Contemporary Art History MUS-23 History of Rock and Roll
through Contemporary or ART-12 Asian Art History MUS-25 Jazz Appreciation
ART-2H Honors History of Western Art: ART-13 Pre-Columbian Art History MUS-89 Music of Multicultural America or
Renaissance through Contemporary ART-14 Latin American Art: Colonial to Present MUS-89H Honors Music of Multicultural America
ART-2H Honors History of Western Art: ART-15 Oral Interpretation of Literature THE-3 Introduction to the Theater
Renaissance through Contemporary COM-11 Storytelling THE-29 Musical Theater Appreciation
ART-5 Arts of Africa, Oceania, and Indigenous North America DAN-6 Dance Appreciation

C-2: Humanities:
CHI-1 Mandarin Chinese 1 ENG-44 Poetry from 20th century to the Present HUM-8 Intro. to Mythology (Same as ENG-8)
CHI-2 Mandarin Chinese 2 ENG-45 Modern Drama HUM-9 American Voices
CHI-11 Culture and Civilization ENG-47 Inlandia: Regional Writing about the IE HUM-10 World Religions or
COM-7 Oral Interpretation of Literature ENG-48 Short Story and Novel from 20th cent. HUM-10H Honors World Religions
ENG-1B Critical Thinking and Writing or ESL-50 Advanced American College English HUM-11 Religion in America
ENG-1BH Honors Critical Thinking and Writing FRE-1 French 1 HUM-16 Arts and Ideas: American Culture
ENG-6 British Literature E: Anglo-Saxon FRE-2 French 2 HUM-18 Death: An Interdisciplinary Perspective
Although this is not part of the general education requirements, CSU Graduation Requirement but will still need to fulfill the 3 units required in area E.


to complete at a community college before you transfer. HIS-6/6H, 7/7H, 14, 31, or 34 may also be used to partially fulfill area C or D. HUM-16 may also be used to partially fulfill area D.

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 an out-of-state institution may have fulfilled the U.S. government requirement but will need to fulfill the California and local government in order to graduate from the CSU.

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

Although this is not part of the general education requirements, it is a CSU graduation requirement that you can complete at a community college before you transfer. HIS-6/6H, 7/7H, 14, 31, or 34 may also be used to partially fulfill area C or D. HUM-16 may also be used to partially fulfill area D.

1. U.S. History

HIS-6 United States History to 1877 or HIS-6H Honors United States History to 1877
HIS-7 United States History from 1865 or HIS-7H Honors United States History from 1865
HIS-14 African American History I
HIS-31 Introduction to Chicano/a Studies
HIS-34 History of Women in America
HUM-16 Arts and Ideas: American Culture

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 an out-of-state institution may have fulfilled the U.S. government requirement but will need to fulfill the California and local government in order to graduate from the CSU.

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

Although this is not part of the general education requirements, it is a CSU graduation requirement that you can complete at a community college before you transfer. HIS-6/6H, 7/7H, 14, 31, or 34 may also be used to partially fulfill area C or D. HUM-16 may also be used to partially fulfill area D.

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

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

Although this is not part of the general education requirements, it is a CSU graduation requirement that you can complete at a community college before you transfer. HIS-6/6H, 7/7H, 14, 31, or 34 may also be used to partially fulfill area C or D. HUM-16 may also be used to partially fulfill area D.

1. U.S. History

HIS-6 United States History to 1877 or HIS-6H Honors United States History to 1877
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HIS-31 Introduction to Chicano/a Studies
HIS-34 History of Women in America
HUM-16 Arts and Ideas: American Culture

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 an out-of-state institution may have fulfilled the U.S. government requirement but will need to fulfill the California and local government in order to graduate from the CSU.
Norco College
Intersegmental General Education Transfer Curriculum (IGETC) 2020-2021
For Transfer to CSU and UC

Completion of the Intersegmental General Education Transfer Curriculum (IGETC) will permit a student to transfer from a community college to a campus in either the California State University (CSU) or University of California (UC) system without the need to take additional lower-division general education courses. For certain majors at some of the UC campuses it may be more advantageous to complete a campus-specific general education pattern. IGETC certification is valid for community college transfer students only. Those who have already transferred to the CSU/UC systems may under some circumstances return to Norco College to complete IGETC requirements. A course can only be certified if it was approved for IGETC when it was taken.

Note: Riverside City College and Moreno Valley College are separate colleges and the courses that are approved for IGETC may vary. Students who wish to take courses at another institution and apply them towards IGETC should always first consult with a counselor to make sure the course will fulfill the intended requirement.

Transfer students will receive IGETC certification after completing all of the subject areas below with a min. “C” grade or better (A grade of “C-” is not acceptable.)

Area 1 - English Communication (min. 6-9 semester or 8-12 quarter units) -
CSU – 3 courses required; select one from each group:

<table>
<thead>
<tr>
<th>Area 1 - English Composition:</th>
<th>Area 1B - Critical Thinking – English Composition:</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG-1A English Composition or</td>
<td>ENG-1B Critical Thinking and Writing or</td>
</tr>
<tr>
<td>ENG-1AH Honors English Composition</td>
<td>ENG-1BH Honors Critical Thinking and Writing</td>
</tr>
</tbody>
</table>

Area 2 – Mathematical Concepts and Quantitative Reasoning (min. 3 semester or 4 quarter units) – select one course:

<table>
<thead>
<tr>
<th>Area 2</th>
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</thead>
<tbody>
<tr>
<td>MAT-1A Calculus I**</td>
<td>MAT-1B Linear Algebra</td>
</tr>
<tr>
<td>MAT-1B Calculus II</td>
<td>MAT-2 Calculus for Business and Life Science**</td>
</tr>
<tr>
<td>MAT-1C Calculus III</td>
<td>MAT-10 Precalculus**</td>
</tr>
<tr>
<td>MAT-2 Differential Equations</td>
<td>MAT-11 College Algebra**</td>
</tr>
</tbody>
</table>

Area 3 – Arts and Humanities (min. 9 semester or 12 quarter units) –
Select three courses, with at least one course from the “Arts” and one course from the “Humanities”:

<table>
<thead>
<tr>
<th>Area 3</th>
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</thead>
<tbody>
<tr>
<td>ART-5 Arts of Africa, Oceania, and Indigenous</td>
<td>DAN-6 Dance Appreciation</td>
</tr>
<tr>
<td>ART-6 Art Appreciation or</td>
<td>GAM-2 History of Video Games (Formerly GAM-21)</td>
</tr>
<tr>
<td>ART-7 Women Artists in History</td>
<td>MUS-3 Fundamentals of Music</td>
</tr>
<tr>
<td>ART-8 Art History</td>
<td>MUS-19 Music Appreciation or</td>
</tr>
<tr>
<td>ART-9 African Art History</td>
<td>MUS-19H Honors Music Appreciation</td>
</tr>
<tr>
<td>ART-10 Modern and Contemporary Art History</td>
<td>MUS-23 History of Rock and Roll</td>
</tr>
<tr>
<td>ART-12 Asian Art History</td>
<td>MUS-25 Jazz Appreciation</td>
</tr>
<tr>
<td>ART-13 Pre-Columbian Art History</td>
<td>MUS-89S Music of Multicultural America</td>
</tr>
<tr>
<td>ART-14 Latin American Art: Colonial to the Present</td>
<td>MUS-89H Honors Music of Multicultural America</td>
</tr>
<tr>
<td>HUM-3 Introduction to the Theatre</td>
<td>THE-29 Musical Theater Appreciation</td>
</tr>
</tbody>
</table>

3B – Humanities:

<table>
<thead>
<tr>
<th>Area 3B</th>
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</tr>
</thead>
<tbody>
<tr>
<td>CHI-11 Culture and Civilization</td>
<td>ENG-48 Short Story and Novel from the</td>
</tr>
<tr>
<td>COM-12 Intercultural Communication*</td>
<td>20th Century to the Present</td>
</tr>
<tr>
<td>ENG-6 British Literature I: Anglo-Saxon</td>
<td>FRE-2 French 2</td>
</tr>
<tr>
<td>through 18th Century</td>
<td>FRE-8 Intermediate Conversation</td>
</tr>
<tr>
<td>ENG-7 British Literature II: Romanticism</td>
<td>HIS-1 History of World Civilizations I*</td>
</tr>
<tr>
<td>through Postmodernism</td>
<td>HIS-2 History of World Civilizations II*</td>
</tr>
<tr>
<td>ENG-8 Introduction to Mythology</td>
<td>HIS-6 United States History to 1877* or</td>
</tr>
<tr>
<td>(Same as HUM-8)</td>
<td>HIS-6H United States History to 1877*</td>
</tr>
<tr>
<td>ENG-9 Introduction to Shakespeare</td>
<td>HIS-7 United States History from 1865* or</td>
</tr>
<tr>
<td>ENG-14 American Literature I: Pre-Contact</td>
<td>HIS-7H Honors United States History from 1865*</td>
</tr>
<tr>
<td>through Civil War</td>
<td>HIS-14 African American History I*</td>
</tr>
<tr>
<td>ENG-15 American Literature II: 1860 to the Present</td>
<td>HIS-25 History of Mexico*</td>
</tr>
<tr>
<td>ENG-16 Introduction to Linguistics</td>
<td>HIS-26 History of California*</td>
</tr>
<tr>
<td>ENG-20 Survey of African American Literature</td>
<td>HIS-31 Introduction to Chicano/a Studies*</td>
</tr>
<tr>
<td>ENG-23 The Bible as Literature</td>
<td>HIS-34 History of Women in America*</td>
</tr>
<tr>
<td>(Same as HUM-23)</td>
<td>HUM-4 Arts and Ideas: Ancient World through the</td>
</tr>
<tr>
<td>ENG-30 Children’s Literature</td>
<td>Late Medieval Period or</td>
</tr>
<tr>
<td>ENG-35 Images of Women in Literature</td>
<td>HUM-4H Honors Arts and Ideas: Ancient World</td>
</tr>
<tr>
<td>ENG-40 World Literature I: From Ancient</td>
<td>through the Late Medieval Period</td>
</tr>
<tr>
<td>Literatures to the 17th Century</td>
<td>HUM-5 Arts and Ideas: The Renaissance</td>
</tr>
<tr>
<td>ENG-41 World Literature II: 17th Century</td>
<td>HUM-5H Honors Arts and Ideas: The Renaissance</td>
</tr>
<tr>
<td>Through the Present</td>
<td>through the Modern Era</td>
</tr>
<tr>
<td>ENG-44 Poetry from the 20th Century to the Present</td>
<td>HUM-8 Introduction to Mythology</td>
</tr>
<tr>
<td>ENG-45 Modern Drama</td>
<td>(Same as ENG-8)</td>
</tr>
<tr>
<td>ENG-47 Inlandia: Regional Writing about the</td>
<td>HUM-9 American Voices</td>
</tr>
<tr>
<td>Inland Empire</td>
<td></td>
</tr>
</tbody>
</table>

Notes:
- *Courses designated with an asterisk are recommended for students planning to transfer to the University of California (UC) system.
- **Courses designated with a double asterisk are recommended for students planning to transfer to California State University (CSU) system.
- **Courses designated with a triple asterisk are recommended for students planning to transfer to both the CSU and UC systems.
- **Courses designated with a quadruple asterisk are recommended for students planning to transfer to both the CSU and UC systems with specific majors.
- **Courses designated with a quintuple asterisk are recommended for students planning to transfer to both the CSU and UC systems with specific majors and programs.

Inland Empire
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
ADJ-9 Law in American Society
ANT-1 Physical Anthropology* or ANT-1H Honors Physical Anthropology*
ANT-2 Cultural Anthropology or ANT-2H Honors 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 and Communication
COM-20 Introduction to Communication Theory
EAR-20 Child Growth and 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

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-T0 Chemistry for Everyone**
CHE-12A Organic Chemistry, I

5B – Biological Science:
ANT-1 Physical Anthropology* or ANT-1H Honors Physical Anthropology*
ANT-1L Physical Anthropology Laboratory
CHE-2B Organic Chemistry, II
CHE-3 Fundamentals of Chemistry**
CHE-T10 Chemistry for Everyone**

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):

<table>
<thead>
<tr>
<th>Course</th>
<th>Code</th>
<th>Language</th>
</tr>
</thead>
<tbody>
<tr>
<td>6A</td>
<td>FRA</td>
<td>French</td>
</tr>
<tr>
<td>6B</td>
<td>CHI</td>
<td>Chinese</td>
</tr>
</tbody>
</table>

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-66H, 7/TH, 14, 31, or 34 may also be used to partially fulfill area 3B or 4. HUM-16 may also be used to partially certify area 3B. POL-1H/1H may also be used to partially fulfill area 4.

1. U. S. History
HIS-6 United States History to 1877 or HIS-6H Honors United States History to 1877
HIS-7 United States History from 1865 or HIS-7H Honors United States History from 1865
HIS-14 African American History I
HIS-31 Introduction to Chicano/a Studies
HIS-34 History of Women in America
HUM-16 Arts and Ideas: American Culture

2. Constitution and Government

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, Science). Students should consult with a counselor to determine the most appropriate general education pattern for their major and intended transfer institution. For updated information about IGETC limitations visit: https://admission.universityofcalifornia.edu/admission-requirements/transfer-requirements/general-education-igetc/igetc-campus-guidance.html
4. It is highly recommended to make an appointment with a counselor to complete a student educational plan (SEP).