Norco College
2023-2024 Catalog Addendum

This addendum to the 2023-2024 Norco College Catalog contains changes that offer new educational opportunities for students or informational corrections. These updates were approved after the 2023-2024 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.

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INFORMATIONAL CORRECTIONS

General Education Requirements
(AUGUST 2023 Addendum)

At the April 2023 Board of Trustees, POL-21 and 23 were approved to fulfill the American Institutions RCCD GE Area B1. This is in addition to their existing approval for Area B2. Due to being cross-listed, ETS-21 and 23 will also fulfill both areas B1 and B2. * Posted to both 22-23 and 23-24 catalog addendums. 5/10/23 email from Bryan Medina.

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Kinesiology ADT – CSUGE - NAA890, IGETC – NAA891
KIN-30 was erroneously omitted as an option under List A Courses. This was a typo and should be listed.
List A: Select two courses from the following (6-9 units)

Course	Units
MAT-12*/12H* Statistics/Honors Statistics	4
OR	
PSY/SOC-48* Statistics for the Behavioral Sciences	3
CHE-1A* General Chemistry, I	5
PHY-2A* General Physics I	4
OR	
PHY-4A* Mechanics	4
KIN-30 First Aid and CPR	3
PSY-1*/1H* General Psychology/Honors General Psychology	3
OR	
SOC-1*/1H* Introduction to Sociology/Honors Introduction to Sociology	3
KIN-36* Wellness: Lifestyle Choices	3

Course Corrections
(AUGUST 2023 Addendum)

ARE-24 and DFT-24 listed prerequisites and they were removed and placed in the advisory field in the 23/24 course catalog. Below is the corrected course record.

ARE-24
Revit I-Architectural Drafting   **3 Units**
UC, CSU
Prerequisite: None
Advisory: DFT-21 or DFT-30
Course Credit Recommendation: Degree Credit

Introduction to methods and techniques used in the development of architectural construction documents for light frame structures (Type V construction) including construction theory, notation, materials symbols, drawing format and general practice. Using Computer-Aided Drafting (CAD) and Building Information Modeling (BIM-Revit I), this course will focus on the drawing of a set of plans to include a plot plan, foundation plan, floor plan(s), sections, exterior and interior elevations, electrical plan and basic structural details. Sketching techniques will also be covered. 27 hours lecture and 90 hours laboratory. Same as DFT-24. (Letter Grade, or Pass/No Pass option.)

DFT-24
Revit I-Architectural Drafting   **3 Units**
UC, CSU
Prerequisite: None
Advisory: DFT-21 or DFT-30
Course Credit Recommendation: Degree Credit

Introduction to methods and techniques used in the development of architectural construction documents for light frame structures (Type V construction) including construction theory, notation, materials symbols, drawing format and general practice. Using Computer-Aided Drafting (CAD) and Building Information Modeling (BIM-Revit I), this course will focus on the drawing of a set of plans to include a plot plan, foundation plan, floor plan(s), sections, exterior and interior elevations, electrical plan and basic structural details. Sketching techniques will also be covered. 27 hours lecture and 90 hours laboratory. Same as ARE-24. (Letter Grade, or Pass/No Pass option.)

HUM-23 Is cross listed with ENG-23. The cross listing was not reflected. The correct course listing should be as follows:

HUM-23
The Bible As Literature   **3 Units**
(Same as ENG-23)
UC, CSU
Prerequisite: None Advisory: ENG-1B or ENG-1BH and REA-83
Description: A survey of the Hebrew Bible and New Testament with emphasis on literary form, styles, and themes. 54 hours lecture. (Letter grade or Pass/No Pass option.)

KIN-30
First Aid and CPR   **3 Units**
Listed $25.00 fee for required certificates. New price is $29.20 effective June 2023.

MAN-864   Should be listed in the 23/24 catalog and was accidently omitted.
MAN-864
Programmable Logic Controllers   **0 Units**
Prerequisite: None
Advisory: ELE-10 or ELE-11
Fundamentals of programmable logic controllers, with an emphasis on introductory programming of PLCs. Problem analysis with solutions that integrate programming formats, auxiliary commands and functions, common programming languages, and popular software programs used with PLCs. Installation, maintenance, troubleshooting and repair are inherent components.

MAT-10 Precalculus had a course description updated after the catalog close date for publication. Below is the correct course description.

MAT-10
Precalculus   **5 Units**
Prerequisite: MAT-36 or qualifying placement
Course Credit Recommendation: Degree Credit

Preparation for calculus: Polynomial, absolute value, radical, rational, exponential, logarithmic, and trigonometric functions and their graphs; analytic geometry, polar coordinates, sequences, and series. Students cannot receive credit for MAT-10 if they have already received credit for MAT-9 or MAT-23. 90 hours lecture. (Letter Grade or Pass/No Pass option)

MAT-11 College Algebra - Listed Prerequisite as 'MAT-9 or qualifying placement level' incorrectly. Below is the correct prerequisite language:

MAT-11 College Algebra **4 Units**
(C-ID:MATH 150)
UC, CSU
Prerequisite: Intermediate Algebra or qualifying placement level

MAT-12 Statistics - Listed prerequisite as 'MAT-9 or MAT-37 or MAT-42 or qualifying placement level' incorrectly. Below is the correct prerequisite language:

MAT-12 Statistics
Statistics **4 Units**
(C-ID: MATH 110) (C-ID: SOCI 125)
UC, CSU
Prerequisite: Intermediate Algebra or qualifying placement level

MAT-12 Honors Statistics - Listed prerequisite as 'MAT-9 or MAT-37 or MAT-42 or qualifying placement level' incorrectly. Below is the correct prerequisite language:

MAT-12 Honors Statistics
Statistics **4 Units**
(C-ID: MATH 110) (C-ID: SOCI 125)
UC, CSU
Prerequisite: Intermediate Algebra or qualifying placement level

MAT-25 Mathematics for the Liberal Arts Student - Listed Prerequisite as 'MAT-9 or MAT-42 or qualifying placement level' incorrectly. Below is the correct prerequisite language:

MAT-25
Mathematics for the Liberal Arts Student **3 Units**
UC, CSU
Prerequisite: Intermediate Algebra or qualifying placement level.

MAT-70A Foundations of Data Science - Listed Prerequisite as 'MAT-9 or qualifying placement level' incorrectly. Below is the correct prerequisite language:

MAT-70A
Foundations of Data Science **3 Units**
UC, CSU
Prerequisite: Intermediate Algebra or qualifying placement level

PHY-4C received a new C-ID approval (C-ID: PHYS 215) Below is the updates catalog course description:

PHY-4C
Heat, Light and Waves   **4 Units**
(C-ID: PHYS 215)
UC, CSU
Prerequisite: PHY-4A or AP PHY-4A
Corequisite: MAT-1B or AP MAT-1B
Description: Examines fluid mechanics; temperature, heat transfer, thermal properties of matter, laws of thermodynamics; oscillations and waves; reflection, refraction, lenses and mirrors, interference, and diffraction; introduction to special relativity and modern physics. 54 hours lecture and 54 hours laboratory. (Letter grade only.)

The following C-ID designations were approved after the catalog was published:

AHS-5 (C-ID: ARTH 140)
AHS-6 (C-ID: ARTH 100)
AHS-6H (C-ID: ARTH 100)
POL-23 (C-ID: POLS 170)

The following C-ID designations were omitted from the catalog in error:

BIO-19 (C-ID: ENVS 100)
MIS-2 (C-ID: CMUS 150 X)
MIS-3 (C-ID: CMUS 110 X)
MIS-7 (C-ID: CMUS 100 X)

UC Transferable Courses Effective Fall 23 (AUGUST 2023 Addendum)

The following Norco College courses are newly designated as UC transferable effective Fall 23:
ART-25B

CIS-61
CIS-63
ENE-35B
ENE-49
KIN-A89A
KIN-A89B
KIN-A89C
MUS-P87

New Programs:
(August 2023 Addendum)

Apprenticeship Carpentry, Acoustical Installer   NAS1051/B/C

The Apprenticeship Carpentry, Acoustical Installer, AS and Certificate of Achievement provides the required related and supplemental instruction for interior systems apprentices in the technical skills required in the trade. Successful completion may result in journey worker status.

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

1.   Prepares individuals to apply technical knowledge and skills to layout, cut fabricate, install, and repair wooden structures and fixtures, using hand and power tools. Includes instruction in technical mathematics, framing, construction materials and selection, job estimating, blueprint reading, foundations, and roughing-in, finish carpentry techniques, and applicable codes and standards.

2.   Construct, erect, install, or repair structures and fixtures made of wood and comparable materials, such as concrete forms; building frameworks, including partitions, joists, studding, and rafters; and wood stairways, window and door frames, and hardwood floors.

3.   May also install cabinets, siding, drywall, and batt or roll insulation, includes brattice builders who build doors or brattices (ventilation walls or partitions) in underground passageways.

Program Requirements
Major requirements: Apprenticeship Carpentry, Acoustical Installer

Course Code	Course Title	Credits
CRP 461A	Acoustical Ceilings	1.5
CRP 462	Standard Acoustical Grids	1.5
CRP 463	Suspended Ceilings	1.5
CRP 464	Acoustical Soffits	1.5
CRP 466	Concealed/Glue-Up/Staple-Up Systems	1.5
CRP 467	Designer and Specialty Trims	1.5
CRP 468	Metal Pan and Security Systems	1.5
CRP 471A	Orientation	2.0
CRP 471B	Safety and Health Certifications	2.0
CRP 471C	Tool/Equipment Applications	1.5
CRP 474A	Print Reading	2.0
CRP 479A	Drywall and Acoustical Ceilings	1.5
	Total Credits	19.5

Select four (4) courses from the following:

Course Code	Course Title	Credits
CRP 461B	Advanced Acoustical Ceiling Layout	1.5
CRP 461C	Advanced Acoustical Ceiling Installation	1.5
CRP 465	Prefab/Sound Panels	1.5
CRP 472A	Basic Metal Framing	1.5
CRP 473C	Framing Curves and Arches	1.5
CRP 474B	Advanced Print Reading	2.0
CRP 483	Door and Door Frames	1.5
	Total Credits	6.00 - 6.50

Total Credits   25.5 - 26.00

Apprenticeship Carpentry, Concrete   NAS1052/B/C

The Apprenticeship Carpentry, Concrete, AS and Certificate of Achievement provides the required related and supplemental instruction for interior systems apprentices in the technical skills required in the trade. Successful completion may result in journey worker status.

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

1.   Prepares individuals to apply technical knowledge and skills to layout, cut fabricate, install, and repair wooden structures and fixtures, using hand and power tools. Includes instruction in technical mathematics, framing, construction materials and selection, job estimating, blueprint reading, foundations, and roughing-in, finish carpentry techniques, and applicable codes and standards.

2.   Construct, erect, install, or repair structures and fixtures made of wood and comparable materials, such as concrete forms; building frameworks, including partitions, joists, studding, and rafters; and wood stairways, window and door frames, and hardwood floors.

3.   May also install cabinets, siding, drywall, and batt or roll insulation, includes brattice builders who build doors or brattices (ventilation walls or partitions) in underground passageways.

Program Requirements
Major requirements: Apprenticeship Carpentry, Concrete, AS

Course Code	Course Title		Credits
CRP 404C	Print Reading - Symbols		2.0
CRP 421A	Orientation – Hand Tools Safety		2.0
CRP 421B	Safety and Health Certifications – Hand & Power Tools Applications		2.0
CRP 421E	Tool/Equipment Applications – Emergency Response Procedures		1.5
CRP 425A	Foundations and Flatwork		1.5
CRP 426A	Tilt-Up Panel Construction		1.5
CRP 426B	Wall Forming		1.5
CRP 426C	Gang Forms/Columns		1.5
CRP 426D	Abutments		1.5
CRP 427C	Beam and Deck Forming		1.5
CRP 427D	Stairs and Ramp Forming		1.5
CRP 428A	Bridge Construction		1.5
		Total Credits	19.5

Select four (4) courses from the following:

Course Code	Course Title		Credits
CRP 421C	Basic Wall Framing		1.5
CRP 422A	Commercial Floor Framing		1.5
CRP 423B	Basic Roof Framing		1.5
CRP 424A	Basic Commercial Framing		1.5
CRP 424D	Transit Level/Laser		2.0
CRP 425D	Advanced Print Reading – Digital Planning		1.5
CRP 428E	Bridge Falsework		1.0
CRP 429A	Rigging		1.5
CRP 429C	Solar Installer Level 1		1.0
CRP 495	Water Treatment Facilities		1.5
		Total Credits	5.00- 6.00

Total Credits   24.5-26

Apprenticeship Carpentry, Drywall Finisher   NAS1053/B/C

The Associate of Science (AS) degree in Apprenticeship Carpentry, Drywall Finisher provides the required related and supplemental instruction for interior systems apprentices in the technical skills required in the trade. Successful completion may result in journey worker status.

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

1.   Prepares individuals to apply technical knowledge and skills to layout, cut fabricate, install, and repair wooden structures and fixtures, using hand and power tools. Includes instruction in technical mathematics, framing, construction materials and selection, job estimating, blueprint reading, foundations, and roughing-in, finish carpentry techniques, and applicable codes and standards.

2.   Construct, erect, install, or repair structures and fixtures made of wood and comparable materials, such as concrete forms; building frameworks, including partitions, joists, studding, and rafters; and wood stairways, window and door frames, and hardwood floors.

3.   May also install cabinets, siding, drywall, and batt or roll insulation, includes brattice builders who build doors or brattices (ventilation walls or partitions) in underground passageways.

Program requirements
Major requirements: Apprenticeship Carpentry, Drywall Finisher

Course Code	Course Title	Credits
CRP 471A	Orientation – Power Tools Safety	2.0
CRP 471B	Safety and Health Certifications - Scaffold	2.0
CRP 472A	Basic Metal Framing	1.5
CRP 474A	Print Reading - Specifications	2.0
CRP 476A	Basic Hand Finishing	1.5
CRP 476B	Automatic Finishing Tools	1.5
CRP 477A	Drywall Installation/Finish Trims	1.5
CRP 477B	Advanced Hand Finishing	1.5
CRP 477C	Advanced Automatic Finishing Tools	1.5
CRP 478B	Advanced Metal Framing	1.5
CRP 478C	Wet Wall Finishes	1.5
CRP 478D	Ceiling and Soffit Finishing	1.5
CRP 479A	Drywall and Acoustical Ceilings	1.5
CRP 482B	S/B Firestop/Fireproofing Procedures	1.0
CRP 482C	Decorative Trims and Textures	1.5
	Total Credits	23.5

Apprenticeship Carpentry, Drywall/Lather   NAS1054/B/C

The Apprenticeship Carpentry, Drywall/Lather, AS and Certificate of Achievement provides the required related and supplemental instruction for interior systems apprentices in the technical skills required in the trade. Successful completion may result in journey worker status.

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

1.   Prepares individuals to apply technical knowledge and skills to layout, cut fabricate, install, and repair wooden structures and fixtures, using hand and power tools. Includes instruction in technical mathematics, framing, construction materials and selection, job estimating, blueprint reading, foundations, and roughing-in, finish carpentry techniques, and applicable codes and standards.

2.   Construct, erect, install, or repair structures and fixtures made of wood and comparable materials, such as concrete forms; building frameworks, including partitions, joists, studding, and rafters; and wood stairways, window and door frames, and hardwood floors.

3.   May also install cabinets, siding, drywall, and batt or roll insulation, includes brattice builders who build doors or brattices (ventilation walls or partitions) in underground passageways.

Program Requirements
Major requirements: Apprenticeship Carpentry, Drywall/Lather

Course Code	Course Title	Credits
CRP 471A	Orientation – Power Tools Safety	2.0
CRP 471B	Safety and Health Certifications - Scaffold	2.0
CRP 471C	Tool/Equipment Applications – Fall Protection	1.5
CRP 472A	Basic Metal Framing	1.5
CRP 472B	Basic Lathing	1.5
CRP 473A	Framing Ceilings and Soffits	1.5
CRP 473B	Framing Suspended Ceilings	1.5
CRP 473C	Framing Curves and Arches	1.5
CRP 474A	Print Reading - Specifications	2.0
CRP 474B	Advanced Print Reading – Digital Applications	2.0
CRP 475A	Light Gage Welding AWS - A	1.5
CRP 483	Door and Door Frames (Layout and Frame)	1.5
	Total Credits	20.0

Select six (6) units from the following:

Course Code	Course Title	Credits
CRP 472C	Advanced Lathing	1.5
CRP 474C	Air, Moisture, and Thermal Barriers	1.0
CPR 475B	Light Gage Welding LAC	1.5
CRP 475C	Light Gage Welding AWS - B	1.5
CRP 476A	Basic Hand Finishing	1.5
CRP 476B	Automatic Finishing Tools	1.5
CRP 477A	Drywall Installation/Finish Trims	1.5
CRP 477B	Advanced Hand Finishing	1.5
CRP 477C	Advanced Automatic Finishing Tools	1.5
CRP 478B	Advanced Metal Framing	1.5
CRP 478C	Wet Wall Finishes	1.5
CRP 478D	Ceiling and Soffit Finishing	1.5
CRP 479A	Drywall and Acoustical Ceilings	1.5
CRP 479C	Drywall Applications – Production Drywall Hanging	1.5
CRP 482B	S/B Firestop/Fireproofing Procedures	1.5
CRP 482C	Decorative Trims and Textures	1.5
CRP 489	Freeform Lathing	1.5
	Total Credits	8-50-9.00

Total Credits   28.50 - 29.00

Apprenticeship Carpentry, Finish Carpentry NAS1055/B/C

The Apprenticeship Carpentry, Finish Carpentry, AS and Certificate of Achievement provides the required related and supplemental instruction for interior systems apprentices in the technical skills required in the trade. Successful completion may result in journey worker status.

Program Learning Outcome

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

1.   Prepares individuals to apply technical knowledge and skills to layout, cut fabricate, install, and repair wooden structures and fixtures, using hand and power tools. Includes instruction in technical mathematics, framing, construction materials and selection, job estimating, blueprint reading, foundations, and roughing-in, finish carpentry techniques, and applicable codes and standards.

2.   Construct, erect, install, or repair structures and fixtures made of wood and comparable materials, such as concrete forms; building frameworks, including partitions, joists, studding, and rafters; and wood stairways, window and door frames, and hardwood floors.

3.   May also install cabinets, siding, drywall, and batt or roll insulation, includes brattice builders who build doors or brattices (ventilation walls or partitions) in underground passageways.

Program Requirements
Major requirements: Apprenticeship Carpentry, Finish Carpentry

Course Code	Course Title	Credits
CRP 404C	Print Reading - Symbols	2.0
CRP 421A	Orientation – Hand Tools Safety	2.0
CRP 421B	Safety and Health Certifications – Hand & Power Tools Applications	2.0
CRP 421C	Basic Wall Framing	1.5
CRP 424D	Transit Level/Laser	2.0
CRP 425D	Advanced Print Reading – Digital Planning	1.0
CRP 433A	Cabinet Millwork and Assembly	1.5
CRP 433B	Cabinet Installation	1.5
CRP 433C	Show Case and Loose Store Fixtures	1.5
CRP 433D	Molding and Trims	1.5
CRP 434A	Plastic Laminates	1.5
CRP 434B	Solid and Stone Surfaces	1.5
CRP 434C	Stair Trim	1.5
CRP 434D	Doors and Door Hardware	1.5
CRP 435C	Exit and Electrical Security Devices	1.5
	Total Credits	24.0

Apprenticeship Carpentry, Framing   NAS1056/B/C

The Apprenticeship Carpentry, Framing, AS and Certificate of Achievement provides the required related and supplemental instruction for interior systems apprentices in the technical skills required in the trade. Successful completion may result in journey worker status.

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

1.   Prepares individuals to apply technical knowledge and skills to layout, cut fabricate, install, and repair wooden structures and fixtures, using hand and power tools. Includes instruction in technical mathematics, framing, construction materials and selection, job estimating, blueprint reading, foundations, and roughing-in, finish carpentry techniques, and applicable codes and standards.

2.   Construct, erect, install, or repair structures and fixtures made of wood and comparable materials, such as concrete forms; building frameworks, including partitions, joists, studding, and rafters; and wood stairways, window and door frames, and hardwood floors.

3.   May also install cabinets, siding, drywall, and batt or roll insulation, includes brattice builders who build doors or brattices (ventilation walls or partitions) in underground passageways.

Program Requirements

Major requirements: Apprenticeship Carpentry, Framing

Course Code	Course Title	Credits
CRP 404C	Print Reading - Symbols	2.0
CRP 421A	Orientation – Hand Tolls Safety	2.0
CRP 421B	Safety and Health Certifications – Hand & Power Tools Applications	2.0
CRP 421C	Basic Wall Framing	1.5
CRP 421E	Tool/Equipment Applications – Emergency Response Procedure	1.5
CRP 422A	Commercial Floor Framing	1.5
CRP 422B	Basic Stairs	1.5
CRP 422D	Exterior Finish Details	1.5
CRP 423B	Basic Roof Framing	1.5
CRP 424A	Basic Commercial Framing	1.5
CRP 424B	Advanced Commercial Framing	1.5
CRP 425C	Advanced Stairs	1.5
	Total Credits	19.5

Select four (4) courses from the following:

Course Code	Course Title	Credits
CRP 423C	Advanced Roof Framing	1.5
CRP 424C	Panelized Roofing	1.5
CRP 424D	Transit Level/Laser	2.0
CRP 425D	Advanced Print Reading	1.5
CRP 426B	Wall Forming	1.5
CRP 472A	Basic Metal Framing	1.5
	Total Credits	6.0 -6.5

Total Credits   25.5 – 26.00

Apprenticeship Carpentry, Tilt-Up   NAS1057/B/C

The Apprenticeship Carpentry, Tilt-Up, AS and Certificate of Achievement provides the required related and supplemental instruction for interior systems apprentices in the technical skills required in the trade. Successful completion may result in journey worker status.

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

1.   Prepares individuals to apply technical knowledge and skills to layout, cut fabricate, install, and repair wooden structures and fixtures, using hand and power tools. Includes instruction in technical mathematics, framing, construction materials and selection, job estimating, blueprint reading, foundations, and roughing-in, finish carpentry techniques, and applicable codes and standards.

2.   Construct, erect, install, or repair structures and fixtures made of wood and comparable materials, such as concrete forms; building frameworks, including partitions, joists, studding, and rafters; and wood stairways, window and door frames, and hardwood floors.

3.   May also install cabinets, siding, drywall, and batt or roll insulation, includes brattice builders who build doors or brattices (ventilation walls or partitions) in underground passageways.

Program Requirements
Major requirements: Apprenticeship Carpentry, Tilt-Up

Course Code	Course Title	Credits
CRP 402B	Slabs/Interior-Exterior Footings	1.0
CRP 403A	Tilt-Up Introduction	1.0
CRP 404A	Lifting, and Bracing Safety – Lifting Awareness	1.5
CRP 405A	Wall-Column Forms/Cutting and Burning	1.5
CRP 405C	Specialized Forms and Rigging	1.5
CRP 421A	Orientation – Hand Tools Safety	2.0
CRP 421B	Safety and Health Certifications – Hand & Power Tolls Application	2.0
CRP 424D	Transit Level/Laser	2.0
CRP 427D	Stairs and Ramp Forming	1.5
	Total Credits	14.0

Select six (6) units from the following:

Course Code	Course Title	Credits
CRP 404B	Poured-in-Place Wall Forms	1.5
CRP 405B	Site Work/Curb and Gutter	1.5
CRP 421C	Basic Wall Framing	1.5
CRP 422A	Commercial Floor Framing	1.5
CRP 422E	Commercial Roof Framing	1.5
CRP 425A	Foundations and Flatwork	1.5
CRP 426B	Wall Forming	1.5
CRP 429A	Rigging	1.5
	Total Credits	6.00

Total Credits   21.00

Program Corrections (August 2023 Addendum)

Page 65: Administration of Justice, (CSUGE) NAS642, (IGETC) NAS643
(August 2023 Addendum)

SOC-2 American Social Problems and SOC-50 Introduction to Social Research Methods was erroneously omitted as an option under List B elective courses.

Page 73: Kinesiology (CSUGE) NAA890, (IGETC) NAA891
(August 2023 Addendum)

KIN-30 First Aid and CPR was erroneously omitted as an option under List A elective courses.

Page 75: Political Science (CSUGE) NAA754, (IGETC) NAA755
(August 2023 Addendum)

New Program updates: Newer courses ADJ-9H, ETS/POL-21, and ETS/POL-23 have been added as options to List B of the ADT.

Catalog Description

The Associate in Arts in Political Science for Transfer degree is a curricular pattern designed specifically to transfer students as Political Science majors with junior status to the CSU system. Though the Associate in Arts in Political Science for Transfer also provides broad general preparation for Political Science majors entering any four-year university, students must consult the specific requirements of any non-CSU campus to which they are applying. Students earning the Associate in Arts in Political Science for Transfer will be provided with a deep appreciation of the social, economic and cultural dimensions of politics and encouraged to approach all political issues and ideas critically.

Program Learning Outcomes
Upon successful completion of this program, students should be able to:
• Describe, explain, and evaluate American political institutions, political systems, policies and processes.
• Identify and analyze the major current global and domestic political theories and ideologies.
• Objectively explain critical issues in American, Comparative and World politics and be able to use theories and debates to argue convincingly in defense of a position, selecting examples to illustrate points and organizing these appropriately.
• Employ a variety of current social scientific methodologies in the research, analysis and evaluation of data.
• Demonstrate critical thinking ability including the understanding of alternative explanations and the forming of conclusions from the data presented.

Required Courses: _18-20_ units

Course	Title	Units
POL-1*/1H*	American Politics/Honors	3
List A	Select from the list below	9-10
List B	Select from the list below	6-7

List A: Select three courses from the following (9-10 units)

Course	Title	Units
POL-2*	Comparative Politics	3
POL-4*/4H*	Introduction to World Politics/Honors	3
POL-11*	Political Theory	3

MAT-12*/12H*	Statistics/Honors	4
OR		
PSY/SOC-48*	Statistics for the Behavioral Sciences	3

List B: Select two courses from the following (6-7 units)

Course	Title	Units
Any course from List A not already used		
ADJ-9*/9H*	Law in American Society/Honors	3
ECO-7*/7H*	Principles of Macroeconomics/Honors	3
HIS-7*/7H*	United States History from 1865/Honors	3
POL-5*	Introduction to Law	3
POL-13*	Introduction to American Foreign Policy	3
POL/ETS-21*	Latinx Politics	3
POL/ETS-23*	Race, Ethnicity, and Politics in America	3
PSY-50*	Research Methods in Psychology	4
SOC-3*	Social Inequality	3
SOC-50*	Introduction to Social Research Methods	3

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

ASSOCIATE IN ARTS FOR TRANSFER DEGREE
The Associate in Arts in Political Science for Transfer degree will be awarded upon completion of 60 California State University (CSU) transferable units including the above major requirements and the Intersegmental General Education Transfer Curriculum (IGETC) or California State University General Education (CSUGE) requirements and with a minimum grade point average of 2.0. All courses in the major must be completed with a grade of "C" or better (or a "P" if taken as Pass/No Pass).

Page 111: Business Administration Major Core Requirements
(August 2023 Addendum)

BUS-10H Introduction to Business for 3.0 units was accidentally omitted in the catalog.

Major Core Requirements:

Required Courses	(18 units)	Units
ACC-1A	Principles of Accounting I	3.0
BUS-10/10H	Introduction to Business	3.0
BUS-18A	Business Law I	3.0
BUS-20	Business Mathematics	3.0
BUS-22	Management Communications	3.0
or BUS-24	Business Communication	3.0
CIS-1A	Introduction to Computer Information Systems	3.0
or CIS/CAT-3	Computer Applications for Business	3.0

Page 116: Graphic Design   NAS647/NAS647B/NAS647C/NCE647
(October 2023 Addendum)
Required courses units are listed incorrectly. It should be 26-27.50 units. Not 26.00 units.

Page 119: Early Childhood Education   NAS544/ NAS544B/ NAS544C/ NCE544
(October 2023 Addendum)
EAR-37 (3 units), EAR-52 (1 unit), EAR-55 (1 unit), ART-3 (3 units) are no longer active courses to be listed as Electives in the program. Department chair notified so a program modification process can take place to update the narrative.

Page 127: Game Programming NAS691/NAS691B/BAS691C/NCE691
(August 2023 Addendum)

Study program code NAS691B was accidentally omitted in the catalog.

Page 129: Computer Numerical Control Programming NAS655/NAS655B/NAS655C/NCE655
(August 2023 Addendum)

Required Courses total is listed incorrectly. It should be 27-28 Units, not 26-27 Units.

Page 130: Facility Maintenance NAS771/NAS771B/NAS771C/NCE771
(October 2023 Addendum)

Required Courses total is listed incorrectly. It should be 25-26 Units, not 23-24 Units
- ELE/MAN-68 Fundamentals of Maintenance for 3 units is listed incorrectly. It should be listed as ELC/MAN-68 for 4 units.
- ELE/MAN-69 Fundamentals of Tooling and Test Equipment for 2 units is listed incorrectly. It should be listed as ELC/MAN-69.
- MAN-60 Hydraulic and Pneumatics System for 3 units is listed incorrectly. It should be listed as MAN-60 for 4 units.
- ELE/CON-66 National Electrical Code for 3 units is listed incorrectly. It should be listed as CON-66.

Page 131: Industrial Automation NAS737/NAS737B/NAS737C/NCE737
(October 2023 Addendum)

Required Courses total is listed incorrectly. It should be 24-25 Units, not 23-24 Units.
MAN-60 Hydraulic and Pneumatics System for 4 units is listed incorrectly. It should be listed as MAN-60 for 4 units.

Norco College Administration and Faculty:
(August 2023 Addendum)

Update of education:
WITMER, SUZANNE   Assistant Professor, Health Science/ Kinesiology
A.A. Riverside Community College; B.S., California State University, San Bernardino;
M.Ed., Azusa Pacific University; Ed.D. in Organizational Leadership., Grand Canyon
University. At Riverside Community College District since 2017**.**

New Hire:
CAROL G. ACOSTA FARRAR, Ph.D.
Interim Vice President, Academic Affairs
B.A., B.S., University of California, Irvine; Ph.D., University of California, Riverside. At
Riverside Community College District since 1997.

JUAN C. GONZALES
Apprenticeship Director, Career & Technical Education

Norco College
California State University General Education Requirements 2023-2024
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.

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

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 Small Group Communication
COM-9 Interpersonal Communication or
COM-9H Honors Interpersonal Communication

A-2: Written Communication:
ENG-1A English Composition or
ENG-1AH Honors English Composition

A-3: Critical Thinking:
ALR-4 Critical Reading as Critical Thinking
COM-2 Introduction to Persuasion
COM-3 Argumentation and Debate
ENG-1B Critical Thinking and Writing or

ENG-1BH Honors Critical Thinking and Writing
MAT-32 Introduction to Symbolic Logic (Same as PHI-32)
PHI-11 Critical Thinking
PHI-32 Introduction to Symbolic Logic (Same as MAT-32)

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 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 Introduction to General Physics
PHY-11 Physics Lab (has a Corequisite of PHY-10)

B-2: Life Science:
ANT-1 Physical Anthropology or
ANT-1H Honors Physical Anthropology
ANT-1L Physical Anthropology Laboratory
(has a Corequisite of ANT-1 or 1H)
BIO-1 General Biology or
BIO-1H Honors General Biology
BIO-3 Field Botany
BIO-4 Human Biology

BIO-5 General Botany
BIO-7 Marine Biology
BIO-8 Principles of Ecology
BIO-10 Life Science Principles
BIO-18 Human Genetics
BIO-19 Environmental Science
BIO-21 California Naturalist
BIO-45 Survey of Human Anatomy and Physiology

BIO-50A Anatomy and Physiology I
BIO-50B Anatomy and Physiology II
BIO-55 Microbiology
BIO-60 Introduction to Molecular and Cellular Biology
BIO-61 Introduction to Organismal and Population Biology
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):
CIS/CSC-7 Discrete Structures
MAT-1A Calculus I or
MAT-1AH Honors Calculus I
MAT-1B Calculus II
MAT-1C Calculus III
MAT-2 Differential Equations

MAT-3 Linear Algebra
MAT-5 Calculus for Business and Life Science
MAT-9 BSTEM College Algebra
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
MAT-70A Foundations of Data Science
MAT-70B Statistics for STEM
PSY/SOC-48 Statistics for the Behavioral Science

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:
AHS-1 History of Western Art: Prehistoric, Ancient and Medieval
AHS-2 History of Western Art: Renaissance through Contemporary or
AHS-2H Honors History of Western Art: Renaissance through Contemporary
AHS-4 Introduction to Visual Culture
AHS-5 Arts of Africa, Oceania, and Indigenous North America
AHS-6 Art Appreciation (Same as ART-6) or
AHS-6H Honors Art Appreciation (Same as ART-6H)
AHS-7 Women Artists in History
AHS-8 Art History of the Photographic Image

AHS-9 African Art History
AHS-10 Modern and Contemporary Art History
AHS-12 Asian Art History
AHS-13 Pre-Columbian Art History
AHS-14 Latin American Art: Colonial to Present
ARE-35 History of Architecture - Beginnings through Gothic
ARE-36 History of Architecture - Renaissance to Modern
ART-6 Art Appreciation (Same as AHS-6) or
ART-6H Honors Art Appreciation (Same as AHS-6H)
COM-7 Oral Interpretation of Literature
COM-11 Storytelling

DAN-6 Dance Appreciation or
DAN-6H Honors Dance Appreciation
GAM-2 History of Video Games (Formerly GAM-21)
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-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:
AHS-4 Introduction to Visual Culture
CHI-1 Mandarin Chinese 1
CHI-2 Mandarin Chinese 2
CHI-11 Chinese Culture and Civilization
COM-7 Oral Interpretation of Literature
COM-12 Intercultural Communication
ENG-1B Critical Thinking and Writing or
ENG-1BH Honors Critical Thinking and Writing

ENG-48 Short Story and Novel from 20th Century
ESL-50 Advanced American College English
ETS-1 Introduction to Ethnic Studies
ETS-2 Introduction to Chicanx and Latinx Studies (Same as HIS-31)
ETS-3 Introduction to African American Studies
ETS-7 Women of Color in the United States
ETS-8 Introduction to Black Feminism

HUM-5 Arts and Ideas: Renaissance- Modern or
HUM-5H Honors Arts and Ideas: Renaissance- Modern
HUM-8 Intro. to Mythology (Same as ENG-8)
HUM-9 American Voices
HUM-10 World Religions or
HUM-10H Honors World Religions
HUM-11 Cults, Crosses, & Colonialism: Religion in America
HUM-16 Arts and Ideas: American Culture

C-2: Humanities (*Continued*):

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-9 Introduction to Shakespeare
ENG-11 Creative Writing
ENG-14 American Literature I: Pre-Contact through the Civil War
ENG-15 American Literature II: 1865 to Present
ENG-16 Introduction to Linguistics
ENG-18 Survey of Native American Literature
ENG-20 Survey of African American Literature
ENG-23 Bible as Literature (Same as HUM-23)
ENG-24 Survey of Asian American Literature
ENG-25 Latinx Literature of the United States
ENG-30 Children's Literature
ENG-35 Women in Literature
ENG-40 World Literature I: From Ancient Literatures to the 17th Century
ENG-41 World Literature II: 17th Cent. - Present
ENG-44 Poetry from 20th century to the Present
ENG-45 Modern Drama

ETS-14 African American History I (Same as HIS-14)
FRE-1 French 1
FRE-2 French 2
FRE-8 Intermediate Conversation
HIS-1 World History to 1500
HIS-2 World History Since 1500
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 (Same as ETS-14)
HIS-25 History of Mexico
HIS-26 History of California
HIS-31 Introduction to Chicanx and Latinx Studies (Same as ETS-2)
HIS-34 History of Women in the United States
HUM-4 Arts and Ideas: Ancient World through the Late Medieval Period or
HUM-4H Honors Arts and Ideas: Ancient World through the Late Medieval Period

HUM-18 Walking with the Dead: An Interdisciplinary Perspective on Death and Dying (Same as PHI-18)
HUM-23 The Bible as Literature (Same as ENG-23)
HUM-35 Philosophy of Religion (Same as PHI-35)
PHI-10 Introduction to Philosophy or
PHI-10H Honors Introduction to Philosophy
PHI-12 Intro. to Ethics: Contemporary Moral Issues
PHI-18 Walking with the Dead: An Interdisciplinary Perspective on Death and Dying (Same as HUM-18)
PHI-19 Native American Thought
PHI-22 Philosophy of Science
PHI-33 Intro. to Social and Political Philosophy
PHI-34 Philosophical Survey of Sex, Gender, and Sexuality
PHI-35 Philosophy of Religion (Same as HUM-35)
PHI-36 Asian Philosophy
SPA-1 Spanish 1
SPA-2 Spanish 2
SPA-3 Spanish 3
SPA-4 Spanish 4
SPA-8 Intermediate Conversation
SPA-11 Spanish Culture and Civilization
SPA-12 Latin American Culture and Civilization

D. Social Sciences (min. 6 semester or 8 quarter units) – *Select two courses:*

ADJ-1 Introduction to Administration of Justice
ADJ-3 Concepts of Criminal Law
ADJ-9 Law in American Society or
ADJ-9H Honors Law in American Society
ANT-2 Cultural Anthropology or
ANT-2H Honors Cultural Anthropology
ANT-3 Prehistoric Cultures
ANT-4 Native American Cultures (Same as ETS-27)
ANT-5 Cultures of Ancient Mexico
ANT-6 Introduction to Archaeology
ANT-7 Anthropology of Religion
ANT-8 Language and Culture
COM-9 Interpersonal Communication or
COM-9H Honors Interpersonal Communication
COM-12 Intercultural Communication
COM-13 Gender and Communication
COM-20 Introduction to Communication Theory
EAR-20 Child Growth and Development
EAR-42 Child, Family and Community
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
ETS-1 Introduction to Ethnic Studies
ETS-2 Introduction to Chicanx and Latinx Studies (Same as HIS-31)
ETS-3 Introduction to African American Studies
ETS-7 Women of Color in the United States

ETS-8 Introduction to Black Feminism
ETS-14 African American History I (Same as HIS-14)
ETS-21 Latinx Politics (Same as POL-21)
ETS-23 Race, Ethnicity, and Politics in America (Same as POL-23)
ETS-27 Native American Cultures (Same as ANT-4)
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 World History to 1500
HIS-2 World History since 1500
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 (Same as ETS-14)
HIS-25 History of Mexico
HIS-26 History of California
HIS-31 Introduction to Chicanx and Latinx Studies (Same as ETS-2)
HIS-34 History of Women in the United States
JOU-7 Mass Communications
POL-1 American Politics or
POL-1H Honors American Politics
POL-2 Comparative Politics
POL-4 Intro. to World Politics or

POL-4H Honors Intro. to World Politics
POL-5 Introduction to Law
POL-11 Political Theory
POL-13 Intro. to American Foreign Policy
POL-20 Latin American Politics
POL-21 Latinx Politics (Same as ETS-21)
POL-22 Politics of the Middle East
POL-23 Race, Ethnicity, and Politics in America (Same as ETS-23)
PSY-1 General Psychology or
PSY-1H Honors General Psychology
PSY-8 Social Psychology
PSY-9 Developmental Psychology
PSY-11 Psychology of Human Sexuality
PSY-33 Theories of Personality
PSY-35 Abnormal Psychology or
PSY-35H Honors Abnormal Psychology
PSY-50 Research Methods in Psychology
SJS-110 Introduction to Social Justice Studies
SOC-1 Introduction to Sociology or
SOC-1H Honors Introduction to Sociology
SOC-2 American Social Problems
SOC-3 Social Inequality
SOC-10 Race and Ethnic Relations or
SOC-10H Honors Race and Ethnic Relations
SOC-12 Marriage and Family Relations
SOC-15 Introduction to Women's Studies
SOC-20 Introduction to Criminology
SOC-50 Introduction to Social Research Methods

E. Lifelong Learning and Self-Development (min. 3 semester or 4 quarter units):

ALR-3 Reading for Academic & Lifelong Literacy
BIO-16 Human Reproduction and Sexual Behavior
BIO-35 Health Science (Same as HES-1)
EAR-20 Child Growth and Development
EAR-42 Child, Family and Community
GUI-47 Career Exploration and Life Planning

GUI-48 College Success Strategies
HES-1 Health Science (Same as BIO-35)
KIN-4 Nutrition
KIN-10 Introduction to Kinesiology
KIN-35 Foundation for Fitness and Wellness
KIN-36 Wellness: Lifestyle Choices
KIN-38 Stress Management

PSY-9 Developmental Psychology
PSY-10 Personal and Social Adjustment
PSY-11 Psychology of Human Sexuality
PSY-33 Theories of Personality
SOC-12 Marriage and Family Relations

Activity courses - Only 1 unit of activity coursework may be applied towards area E. Students who took GUI-48 when it was approved in area E as 2 units may combine 1 unit from the approved activity courses listed below in order to fulfill the 3 units required in area E:

DAN-D20 Introduction to Social Dance
DAN-D21 Ballet, Beginning
DAN-D31 Hip Hop Dance, Beginning
DAN-D32 Jazz, Beginning
DAN-D37 Modern Dance, Beginning
DAN-D46 Pilates Mat Work
KIN-A40 Karate, Beginning
KIN-A41 Karate, Intermediate
KIN-A43 T'ai-chi Ch'uan, Beginning
KIN-A44 T'ai-chi Ch'uan, Intermediate
KIN-A46 Yoga, Beginning
KIN-A47 Yoga, Intermediate
KIN-A62 Flag Football

KIN-A64A Soccer, Beginning
KIN-A64B Soccer, Intermediate
KIN-A64C Soccer, Advanced
KIN-A75A Walking for Fitness, Beginning
KIN-A75B Walking for Fitness, Intermediate
KIN-A77A Jogging for Fitness, Beginning
KIN-A77B Jogging for Fitness, Intermediate
KIN-A77C Jogging for Fitness, Advanced
KIN-A81A Cardio & Strength Training, Beginning
KIN-A81B Cardio &Strength Training, Intermediate
KIN-A81C Cardio & Strength Training, Advanced
KIN-A83 Kickboxing Aerobics
KIN-A89A Beginning Body Sculpting

KIN-A89B Intermediate Body Sculpting
KIN-A89C Advanced Body Sculpting
KIN-A90A Weight Training, Beginning
KIN-A90B Weight Training, Intermediate
KIN-A90C Weight Training, Advanced
KIN-V01 Cross Country, Varsity, Men
KIN-V10 Soccer, Varsity Men
KIN-V12 Cross Country, Varsity, Women
KIN-V25 Soccer, Varsity Women
KIN-V78 Long Distance Running
KIN-V94 In-Season Varsity Sport Conditioning
KIN-V95 Out of Season Varsity Sport Condition

Completion of basic military training as indicated on a JST or CCAF transcript may be used to satisfy area E. Official transcript must be on file.

F. Ethnic Studies (min. 3 semester or 4 quarter units):

ETS-1 Introduction to Ethnic Studies
ETS-3 Introduction to African American Studies
ETS-7 Women of Color in the United States
ETS-8 Introduction to Black Feminism
ETS-14 African American History I (Same as HIS-14)

ETS-21 Latinx Politics (Same as POL-21)
ETS-23 Race, Ethnicity, and Politics in America (Same as POL-23)
HIS-14 African American History I (Same as ETS-14)
POL-21 Latinx Politics (Same as ETS-21)
POL-23 Race, Ethnicity, and Politics in America (Same as ETS-23)

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. ETS-2, HIS-6/6H, 7/7H, 31, or 34 may also be used to partially fulfill area C or D. HUM-16 may also be used to partially fulfill area C. POL-1/1H may also be used to partially fulfill area D. ETS/POL-21 or 23 may also be used to fulfill area F or to partially fulfill area D. ETS/HIS-14 may also be used to fulfill area F or to partially fulfill area C or D.

1. U.S. History

ETS-2 Introduction to Chicanx and Latinx Studies (Same as HIS-31)
ETS-14 African American History I (Same as HIS-14)
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 (Same as ETS-14)
HIS-31 Introduction to Chicanx and Latinx Studies (Same as ETS-2)
HIS-34 History of Women in the United States
HUM-16 Arts and Ideas: American Culture

2. Constitution and Government

ETS-21 Latinx Politics (Same as POL-21)
POL-1 American Politics or POL-1H Honors American Politics
POL-21 Latinx Politics (Same as ETS-21)

Note: Norco College's POL-1/1H or ETS/POL-21 fulfills the CSU graduation requirement in both U.S. government and California state and local government. Students who have completed ETS/POL-23, or who have received 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 <u>may</u> 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.

<u>**Notes:**</u>
1. **Courses cannot be double-counted to satisfy more than one GE area, even if a course is listed in more than one area.**
2. **Upper division transfer students will need to complete a minimum of 60 transferable units, their "Golden 4" courses, and at least 30 units of general education.**
3. **"Golden 4 courses" in areas A-1, A-2, A-3, and B-4 must be completed with grades of "C-" or better. However, RCCD requires a "C" grade or better to meet course prerequisites.**
4. **It is highly recommended to make an appointment with a counselor to ensure proper academic planning and to complete a student educational plan (SEP).**
5. **CSU GE area F is effective for students beginning at a CCC or a CSU campus in fall 2021 and beyond. Students with continuous enrollment prior to fall 2021 may choose to complete the pre-fall 21 CSU GE pattern without Area F and with 9 units from at least two different disciplines completed in Area D. For purposes of area F, continuous enrollment is defined as attendance in at least one semester per calendar year at a CSU or California Community College or a combination of the two. See a counselor for details.**

CSU GE for STEM - Students pursuing certain Associate Degrees for Transfer may be eligible to complete CSU GE for STEM, deferring two lower-division GE courses until after transfer. CSU GE for STEM is applicable only to majors in which the Transfer Model Curriculum explicitly indicates the availability of the option. **At Norco College, currently only the ADT in Biology allows CSU GE for STEM.**

"CSU GE Breadth for STEM" certification as part of an Associate Degree for Transfer in Biology would require that the student has completed:
a. All courses in Areas A, B, E and F of the traditional GE Breadth curriculum; and
b. One course in Area C1 Arts and one course in Area C2 Humanities; and
c. One course in Area D

Please consult with a Norco College counselor to discuss which general education pattern is the best option for you based on your individual major, goals, and transfer institution.

Norco College
Intersegmental General Education Transfer Curriculum (IGETC) 2023-2024
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:
UC – 2 courses required; Select one from group 1A and one from group 1B:

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

1C - Oral Communication: (CSU requirement only)
COM-1 Public Speaking or
COM-1H Honors Public Speaking
COM-6 Small Group Communication
COM-9 Interpersonal Communication or
COM-9H Honors Interpersonal Communication

1B - Critical Thinking – English Composition:
ENG-1B Critical Thinking and Writing or
ENG-1BH Honors Critical Thinking and Writing

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

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

MAT-5 Calculus for Business and Life Science**
MAT-9 BSTEM College Algebra**
MAT-10 Precalculus**
MAT-11 College Algebra**
MAT-12 Statistics** or
MAT-12H Honors Statistics**

MAT-25 Mathematics for the Liberal Arts Student
MAT-70A Foundations of Data Science
MAT-70B Statistics for STEM**
PSY/SOC-48 Statistics for the Behavioral Sciences**

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":

3A – Arts:

AHS-1 History of Western Art: Pre-
    Historic, Ancient, and Medieval
AHS-2 History of Western Art:
    Renaissance through Contemporary or
AHS-2H Honors History of Western Art:
    Renaissance through Contemporary
AHS-4 Introduction to Visual Culture
AHS-5 Arts of Africa, Oceania, and Indigenous
    North America
AHS-6 Art Appreciation (Same as ART-6) or
AHS-6H Honors Art Appreciation (Same as ART-6H)
AHS-7 Women Artists in History
AHS-8 Art History of the Photographic Image

AHS-9 African Art History
AHS-10 Modern and Contemporary Art History
AHS-12 Asian Art History
AHS-13 Pre-Columbian Art History
AHS-14 Latin American Art: Colonial to the Present
ARE-35 History of Architecture -
    Beginning through Gothic
ARE-36 History of Architecture -
    Renaissance through Modern
ART-6 Art Appreciation (Same as AHS-6) or
ART-6H Honors Art Appreciation (Same as AHS-6H)
DAN-6 Dance Appreciation or
DAN-6H Honors Dance Appreciation

GAM-2 History of Video Games (Formerly GAM-21)
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-89 Music of Multicultural America or
MUS-89H Honors Music of Multicultural America
THE-3 Introduction to the Theatre
THE-9 Dramatic Literature-Script Analysis
THE-29 Musical Theater Appreciation

3B – Humanities:

AHS-4 Introduction to Visual Culture
CHI-11 Chinese Culture and Civilization
COM-12 Intercultural Communication
ENG-6 British Literature I: Anglo-Saxon
    through 18th Century
ENG-7 British Literature II: Romanticism
    through Postmodernism
ENG-8 Introduction to Mythology
    (Same as HUM-8)
ENG-9 Introduction to Shakespeare
ENG-14 American Literature I: Pre-Contact
    through Civil War
ENG-15 American Literature II: 1865 to the Present
ENG-16 Introduction to Linguistics
ENG-18 Survey of Native American Literature
ENG-20 Survey of African American Literature
ENG-23 The Bible as Literature
    (Same as HUM-23)
ENG-24 Survey of Asian American Literature
ENG-25 Latinx Literature of the United States
ENG-30 Children's Literature
ENG-35 Women in Literature
ENG-40 World Literature I: From Ancient
    Literatures to the 17th Century
ENG-41 World Literature II:17th Century
    Through the Present
ENG-44 Poetry from the 20th Century to the Present
ENG-45 Modern Drama
ENG-48 Short Story and Novel from the
    20th Century to the Present

ETS-2 Introduction to Chicanx and Latinx Studies
    (Same as HIS-31)
ETS-7 Women of Color in the United States
ETS-8 Introduction to Black Feminism
ETS-14 African American History I
    (Same as HIS-14)
FRE-2 French 2
FRE-8 Intermediate Conversation
HIS-1 World History to 1500
HIS-2 World History Since 1500
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
    (Same as ETS-14)
HIS-25 History of Mexico
HIS-26 History of California
HIS-31 Introduction to Chicanx and Latinx Studies
    (Same as ETS-2)
HIS-34 History of Women in the United States
HUM-4 Arts and Ideas: Ancient World through the
    Late Medieval Period or
HUM-4H Honors Arts and Ideas: Ancient World
    through the Late Medieval Period
HUM-5 Arts and Ideas: The Renaissance
    through the Modern Era
HUM-5H Honors Arts and Ideas: The Renaissance
    through the Modern Era
HUM-8 Introduction to Mythology
    (Same as ENG-8)

HUM-9 American Voices
HUM-10 World Religions or
HUM-10H Honors World Religions
HUM-11 Cults, Crosses, & Colonialism: Religion in America
HUM-16 Arts and Ideas: American Culture
HUM-18 Walking with the Dead: An Interdisciplinary
    Perspective on Death and Dying (Same as PHI-18)
HUM-23 The Bible as Literature
    (Same as ENG-23)
HUM-35 Philosophy of Religion
    (Same as PHI-35)
PHI-10 Introduction to Philosophy or
PHI-10H Honors Introduction to Philosophy
PHI-12 Intro. to Ethics: Contemporary Moral Issues
PHI-18 Walking with the Dead: An Interdisciplinary
    Perspective on Death and Dying (Same as HUM-18)
PHI-19 Native American Thought
PHI-22 Philosophy of Science
PHI-33 Introduction to Social and Political Philosophy
PHI-34 Philosophical Survey of Sex, Gender,
    and Sexuality
PHI-35 Philosophy of Religion
    (Same as HUM-35)
PHI-36 Asian Philosophy
SPA-2 Spanish 2
SPA-3 Spanish 3
SPA-4 Spanish 4
SPA-8 Intermediate Conversation
SPA-11 Spanish Culture and Civilization
SPA-12 Latin American Culture and Civilization

Area 4 – Social and Behavioral Sciences (min. 6 semester or 8 quarter units) – Select two 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** or
ADJ-9H Honors 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
    (Same as ETS-27)
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
ETS-1 Introduction to Ethnic Studies
ETS-2 Introduction to Chicanx and Latinx Studies
    (Same as HIS-31)
ETS-3 Introduction to African American Studies
ETS-7 Women of Color in the United States
ETS-8 Introduction to Black Feminism

ETS-14 African American History I
    (Same as HIS-14)
ETS-21 Latinx Politics
    (Same as POL-21)
ETS-23 Race, Ethnicity, and Politics in America
    (Same as POL-23)
ETS-27 Native American Cultures
    (Same as ANT-4)
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 World History to 1500
HIS-2 World History since 1500
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
    (Same as ETS-14)
HIS-25 History of Mexico
HIS-26 History of California
HIS-31 Introduction to Chicanx and Latinx Studies
    (Same as ETS-2)
HIS-34 History of Women in the United States
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 Introduction to Law
POL-11 Political Theory
POL-13 Introduction to American Foreign Policy
POL-20 Latin American Politics
POL-21 Latinx Politics
    (Same as ETS-21)
POL-22 Politics of the Middle East
POL-23 Race, Ethnicity, and Politics in America
    (Same as ETS-23)
PSY-1 General Psychology or
PSY-1H Honors General Psychology
PSY-2 Biological Psychology
PSY-8 Social Psychology
PSY-9 Developmental Psychology
PSY-11 Psychology of Human Sexuality
PSY-33 Theories of Personality
PSY-35 Abnormal Psychology or
PSY-35H Honors Abnormal Psychology
PSY-50 Research Methods in Psychology
SJS-110 Introduction to Social Justice Studies
SOC-1 Introduction to Sociology or
SOC-1H Honors Introduction to Sociology
SOC-2 American Social Problems
SOC-3 Social Inequality
SOC-10 Race and Ethnic Relations or
SOC-10H Honors Race and Ethnic Relations
SOC-12 Marriage and Family Relations
SOC-15 Introduction to Women's Studies
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. **Underline**Underlined One of the two courses must include a corresponding 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 Introduction to General Physics**
PHY-11 Physics Lab (has a Corequisite of PHY-10)

5B - Biological Science:

ANT-1 Physical Anthropology or
ANT-1H Honors Physical Anthropology
ANT-1L Physical Anthropology Laboratory
(has a Corequisite of ANT-1 or 1H)
BIO-1 General Biology or
BIO-1H Honors General Biology
BIO-3 Field Botany
BIO-4 Human Biology

BIO-5 General Botany
BIO-7 Marine Biology
BIO-8 Principles of Ecology**
BIO-10 Life Science Principles**
BIO-18 Human Genetics
BIO-19 Environmental Science**
BIO-21 California Naturalist
BIO-45 Survey of Human Anatomy and Physiology

BIO-50A Anatomy and Physiology I
BIO-50B Anatomy and Physiology II
BIO-55 Microbiology
BIO-60 Introduction to Molecular and Cellular Biology
BIO-61 Introduction to Organismal and Population Biology
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
SPA-1 Spanish 1

SPA-2 Spanish 2
SPA-3 Spanish 3
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.)

Area 7 – Ethnic Studies (min. 3 semester or 4 quarter units) – Select one course:

ETS-1 Introduction to Ethnic Studies
ETS-3 Introduction to African American Studies
ETS-7 Women of Color in the United States
ETS-8 Introduction to Black Feminism
ETS-14 African American History I (Same as HIS-14)

ETS-21 Latinx Politics (Same as POL-21)
ETS-23 Race, Ethnicity, and Politics in America (Same as POL-23)
HIS-14 African American History I (Same as ETS-14)
POL-21 Latinx Politics (Same as ETS-21)
POL-23 Race, Ethnicity, and Politics in America (Same as ETS-23)

CSU Graduation Requirement Only 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. ETS-2, HIS-6/6H, 7/7H, 31, or 34 may also be used to partially fulfill 3B or 4. HUM-16 may also be used to partially fulfill area 3B. POL-1/1H or ETS/POL-21 may also be used to partially fulfill area 4. ETS/HIS-14 may also be used to partially fulfill area 3B or 4.

1. U.S. History
ETS-2 Introduction to Chicanx and Latinx Studies (Same as HIS-31)
ETS-14 African American History I (Same as HIS-14)
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 (Same as ETS-14)
HIS-31 Introduction to Chicanx and Latinx Studies (Same as ETS-2)
HIS-34 History of Women in the United States
HUM-16 Arts and Ideas: American Culture

2. Constitution and Government
ETS-21 Latinx Politics (Same as POL-21)
POL-1 American Politics or POL-1H Honors American Politics
POL-21 Latinx Politics (Same as ETS-21)

Note: Norco College's POL-1/1H or ETS/POL-21 fulfills the CSU graduation requirement in both U.S. government and California state and local government. Students who have completed ETS/POL-23, or who have received 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 <u>may</u> 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 <u>cannot</u> 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. A grade of "P" in approved coursework taken as Pass/No Pass through RCCD is acceptable for IGETC certification. It is important to keep in mind that some CSU and UC campuses may have limitations on the number of "Credit/No Credit" ("Pass/No Pass") courses that may be used to meet degree requirements. The UC system allows a maximum of 14 semester units graded "Pass/No Pass" (Credit/No Credit) basis of the 60 transferable semester units required for admission. There is no system-wide policy for CSU campuses. Therefore, each campus has established its own policy on limitations of courses transferred with grades of "Credit/Pass".
4. 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. For updated information about IGETC limitations visit:
   https://admission.universityofcalifornia.edu/admission-requirements/transfer-requirements/preparing-to-transfer/general-education-igetc/igetc/campus-guidance.html
5. IGETC area 7 is effective for students beginning at a CCC in fall 2023 and beyond. Students with continuous enrollment prior to fall 2023 may choose to complete the pre-fall 23 IGETC pattern without Area 7 and with 9 units from at least two different disciplines completed in Area 4.
6. It is highly recommended to make an appointment with a counselor to complete a student educational plan (SEP).

IGETC for STEM - Students pursuing certain Associate Degrees for Transfer may be eligible to complete IGETC for STEM, deferring two to three lower-division GE courses until after transfer. IGETC for STEM is applicable only to majors in which the Transfer Model Curriculum explicitly indicates the availability of the option. **At Norco College, currently only ADT's in Biology, Chemistry, and Environmental Science allow IGETC for STEM.**

"IGETC for STEM" certification as part of an Associate Degree for Transfer in Biology, Chemistry, or Environmental Science would require:
Complete the following courses *before* transfer:
☐ All courses in Areas 1, 2, 5, and 7 of the traditional IGETC; and

☐ One course in Area 3A; one course in Area 3B; and one course in Area 4 (the second area 4 course will eventually need to be from a different discipline).

Complete the following courses *after* transfer:
☐ One remaining lower-division general education course in Area 3;*

☐ One remaining lower-division general education course in Area 4 (in a different discipline from the first area 4 course);* and

☐ One course in Area 6 for UC-bound students who have not satisfied it through proficiency.*

*These deferred lower division courses must be replaced with calculus and/or science courses required by the major before transfer.

Please consult with a Norco College counselor to discuss which general education pattern is the best option for you based on your individual major, goals, and transfer institution.