

# Norco College - Spring 2024 Class Schedule

## Reading the Schedule of Classes

SECT#	COURSE#	Description	Units	Days	Time	Bldg-Room	Instructor	Dates
<b>ANTHROPOLOGY</b>								
47362	ANT-1	Physical Anthropology	3			ON-LINE	M Stockdale	MM/DD - MM/DD/YY
The above section is an online class. Computer with internet access required. See <a href="http://www.opencampus.com">www.opencampus.com</a>								
47367	ANT-1	Physical Anthropology	3	W	06:00PM-08:50PM	HUM-111	S Wakim	MM/DD - MM/DD/YY
47375	ANT-2	Cultural Anthropology	3	TTh	11:10AM-12:35PM	QD-201	P Roberts	MM/DD - MM/DD/YY

### Table of Contents

#### Credit Classes

Accounting.....	1
Administration Of Justice.....	2
Anthropology.....	4
Apprentice.....	4
Architecture.....	5
Art.....	5
Art History.....	7
Biology.....	7
Business Administration.....	10
Carpentry.....	11
Chemistry.....	16
Chinese.....	17
Communication Studies.....	17
Computer Applications/Office.....	19
Computer Information Systems.....	20
Construction Technology.....	22
Dance.....	23
Drafting.....	23
Early Childhood Education.....	23

Economics.....	25
Electricity.....	25
Electronics.....	26
Engineering.....	28
English.....	29
English As A Second Language.....	34
Entrepreneurship.....	35
Ethnic Studies.....	35
French.....	35
Game Development.....	36
Geography.....	37
Guidance.....	38
Health Science.....	39
History.....	39
Humanities.....	41
Kinesiology.....	42
Library.....	44
Management.....	44
Manufacturing Technology.....	45
Marketing.....	46
Mathematics.....	46
Music.....	50
Music Industry Studies.....	53

Philosophy.....	54
Physics.....	55
Political Science.....	56
Psychology.....	57
Real Estate.....	59
Social Justice Studies.....	59
Sociology.....	60
Spanish.....	60
Supply Chain Automation.....	61
Theater Arts.....	62
Work Experience.....	62

#### Non-Credit Classes

Accounting.....	63
Drafting.....	63
Electronics.....	63
Engineering.....	64
English.....	64
English As A Second Language.....	64
Interdisciplinary Studies.....	65
Manufacturing Technology.....	65
Profes. Development Studies.....	65

### Credit Classes

SECT#	Course#	Instruction	ZTC/LTC	Units	Days	Time	Bldg-Room	Instructor	Dates
<b>ACCOUNTING</b>									
ACC-1A		Principles of Accounting I							
Prerequisite: None Advisory: BUS-20 Description: An introduction to accounting principles and practice, as a manual and/or computerized information system that provides and interprets economic data for economic units within a global society. Includes recording, analyzing, and summarizing procedures used in preparing financial statements. 54 hours lecture. (Letter grade only)									
32000	ACC-1A	Lecture		3	W	06:00PM-09:10PM	HUM-102 ON-LINE	F Itokazu	02/12 - 04/05/24 02/12 - 04/05/24
The above section is a short term hybrid class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a> . Please note the start and end dates.									
32001	ACC-1A	Lecture		3			ON-LINE	M Scott	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
32002	ACC-1A	Lecture		3			ON-LINE	P Worsham	02/12 - 04/05/24
The above is a short term online class. Please note the start and end dates. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
32003	ACC-1A	Lecture		3	TTh	09:40AM-11:05AM	ATEC-211 ON-LINE	D White	02/12 - 04/05/24 02/12 - 04/05/24
The above section is a short term hybrid class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a> . Please note the start and end dates.									
32004	ACC-1A	Lecture		3			ON-LINE	P Worsham	04/15 - 06/07/24
The above is a short term online class. Please note the start and end dates. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
32007	ACC-1A	Lecture		3			ON-LINE	P Worsham	02/12 - 04/05/24
The above section is a short term online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a> . Please note the start and end dates.									

SECT#	Course#	Instruction	ZTC/LTC	Units	Days	Time	Bldg-Room	Instructor	Dates
32008	ACC-1A	Lecture		3			ON-LINE	F Itokazu	04/15 - 06/07/24
The above section is a short term online class. Computer with Internet access required. See www.rccd.edu/de Please note the start and end dates.									
33221	ACC-1A	Lecture		3			CUSD-ONLN	P Worsham	02/12 - 04/05/24
The above course is a short term online class. Please note the start and end dates. Computer with Internet access required. See www.rccd.edu/de This section is restricted to the CNUSD High School students participating in Norco College's Dual Enrollment Program.									
ACC-1B		Principles of Accounting II							
Prerequisite: ACC-1A Description: A study of managerial accounting principles and information systems including basic concepts, limitations, tools and methods to support the internal decision-making functions of an organization. 54 hours lecture. (Letter grade only)									
32009	ACC-1B	Lecture		3			ON-LINE	M Scott	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
32010	ACC-1B	Lecture		3	W	06:00PM-09:10PM	HUM-102	F Itokazu	04/15 - 06/07/24
ON-LINE									
The above is a short term hybrid class; students must attend class in-person as scheduled. Please note the start and end dates. Computer with Internet access required. See www.rccd.edu/de									
32011	ACC-1B	Lecture		3			ON-LINE	D White	02/12 - 04/05/24
The above is a short term online class. Please note the start and end dates. Computer with Internet access required. See www.rccd.edu/de									
32012	ACC-1B	Lecture		3			ON-LINE	P Worsham	04/15 - 06/07/24
The above is a short term online class. Please note the start and end dates. Computer with Internet access required. See www.rccd.edu/de									
32013	ACC-1B	Lecture		3	TTh	09:40AM-11:05AM	HUM-102	N Ildefonso	04/15 - 06/07/24
ON-LINE									
The above is a short term hybrid class; students must attend class in-person as scheduled. Please note the start and end dates. Computer with Internet access required. See www.rccd.edu/de									
ACC-55		Applied Accounting/Bookkeeping							
Prerequisite: None Description: An introductory course for students who are non-accounting majors. The focus is basic bookkeeping and accounting principles for both merchandising and service oriented small business enterprises. Emphasis on the development of skills to record business transactions for cash and accrual methods, as well as the procedures to prepare financial statements and complete an accounting cycle. Attention is given to special journals, subsidiary ledgers, and payroll and banking procedures. 54 hours lecture.(Letter Grade, or Pass/No Pass option.)									
32015	ACC-55	Lecture		3			ON-LINE	N Ildefonso	02/12 - 04/05/24
The above is a short term online class. Please note the start and end dates. Computer with Internet access required. See www.rccd.edu/de									
ACC-62		Payroll Accounting							
Prerequisite: ACC-1A or ACC-55 Description: Covers accounting for payroll and examines aspects of the Social Security Act, California Unemployment Insurance Act and the California Worker's Compensation Insurance Act. Payroll principles applied through the use of microcomputers. 54 hours lecture. (Letter Grade, or Pass/No Pass option)									
32016	ACC-62	Lecture		3			ON-LINE	M Scott	04/15 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de.									
ACC-65		Quickbooks Accounting							
Prerequisite: ACC-1A or ACC-55 Advisory: CIS-1A or CIS-3 Description: An introduction to QuickBooks Accounting Software, which integrates accounting principles, transactions, and events using their automated system relating to both service and merchandising companies. Students learn to record and process accounting transactions and events using up-to-date software that prepares them for actual situations that relate to the creation of a company, working with customers and vendors, posting sales receipts and payments, managing inventory and budgets, as well as customizing and extending QuickBooks software capabilities. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)									
32017	ACC-65	Lecture		3			ON-LINE	N Ildefonso	04/15 - 06/07/24
The above is a short term online class. Please note the start and end dates. Computer with Internet access required. See www.rccd.edu/de									
ACC-67		U.S. and California Income Tax Preparation							
Prerequisite: None Description: U.S. and California income tax principles and tax return preparation as it relates to individuals, sole proprietorships, and other business entities. This course is certified by the California Tax Education Council (CTEC) as fulfilling the 60-hour qualifying education requirement imposed by the State of California for becoming a Registered Tax Preparer. 72 hours lecture. (Letter grade only)									
32018	ACC-67	Lecture		4			ON-LINE	J Muir	02/12 - 04/05/24
The above is a short term online class. Please note the start and end dates. Computer with Internet access required. See www.rccd.edu/de									

## ADMINISTRATION OF JUSTICE

ADJ-1	Introduction to the Administration of Justice								
Prerequisite: None Description: The history and philosophy of administration of justice in America; recapitulation of the system; identifying the various subsystems, role expectations, and their interrelationships; theories of crime, punishment, and rehabilitation; ethics, education, and training for professionalism in the system. 54 hours lecture. (Letter grade only)									
32025	ADJ-1	Lecture		3	MW	11:10AM-12:35PM	STEM-302 ON-LINE	M Leese	02/12 - 04/05/24 02/12 - 04/05/24
The above course is a short term hybrid class; students must attend class in-person as scheduled. Please note the start and end dates. Computer with Internet access required. See www.rccd.edu/de									
32026	ADJ-1	Lecture		3			ON-LINE	S Williams	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
32027	ADJ-1	Lecture		3			CUSD-ONLN	S Williams	02/12 - 06/07/24
The above is an online class and is restricted to the CNUSD High School students participating in Norco College's Dual Enrollment Program. Computer with Internet access required. See www.rccd.edu/de									
32028	ADJ-1	Lecture		3	M	06:00PM-09:10PM	STEM-302	K Carpenter	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
ADJ-2	Principles and Procedures of the Justice System								
Prerequisite: None Description: An examination and analysis of due process in criminal proceedings from pre-arrest through trial and appeal utilizing statutory law and state and constitutional precedents. 54 hours lecture. (Letter grade only)									
33095	ADJ-2	Lecture		3			ON-LINE	M Leese	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
ADJ-3	Concepts of Criminal Law								
Prerequisite: None Description: Historical development, philosophy of law and constitutional provisions; definitions, classification of crimes, and their application to the system of administration of justice; legal research, study of case law, methodology, and concepts of law as a social force. 54 hours lecture. (Letter grade only)									
32035	ADJ-3	Lecture		3			ON-LINE	M Leese	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de.									

SECT#	Course#	Instruction	ZTC/LTC	Units	Days	Time	Bldg-Room	Instructor	Dates
32036	ADJ-3	Lecture		3	TTh	11:15AM-12:40PM	STEM-302	M Leese	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
ADJ-4	Legal Aspects of Evidence								
Prerequisite: None Description: Origin, development, philosophy and constitutional basis of evidence; constitutional and procedural considerations affecting arrest, search and seizure; kinds and degrees of evidence and rules governing admissibility; judicial decisions interpreting individual rights and case studies. 54 hours lecture. (Letter grade only)									
32037	ADJ-4	Lecture		3	TTh	02:30PM-03:55PM	STEM-302	M Leese	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
ADJ-5	Community Relations								
Prerequisite: None Description: Examines the complex, dynamic relationship between communities and the justice system in addressing crime and conflict with an emphasis on the challenges and prospects of administering justice within a diverse multicultural population. 54 hours lecture. (Letter grade only)									
32038	ADJ-5	Lecture		3			ON-LINE	M Leese	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
ADJ-8	Juvenile Law and Procedures								
Prerequisite: None Description: The organization, functions and jurisdiction of juvenile agencies; the processing and detention of juveniles; juvenile case disposition; juvenile statutes and court procedures. 54 hours lecture. (Letter grade only)									
32039	ADJ-8	Lecture		3	MW	11:10AM-12:35PM	STEM-302	M Leese	04/15 - 06/07/24
							ON-LINE		04/15 - 06/07/24
The above section is a short-term hybrid class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a> Please note the start and end dates.									
ADJ-9	Law In American Society								
Prerequisite: None Description: A general survey of practical law intended as an introduction to the American legal system and to acquaint the student with elements of the law that affect everyday legal relationships: criminal and juvenile justice, consumer law, family law, housing law, and individual rights and liberties. Emphasis is placed on the philosophical and political foundations of law and on civil law. Recommended for prelaw students and for others interested in the practical application of the law. 54 hours lecture. (Letter grade only)									
32042	ADJ-9	Lecture		3			CUSD-ONLN	S Williams	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a> This section is restricted to the CNUSD High School students participating in Norco College's Dual Enrollment Program.									
32043	ADJ-9	Lecture		3			ON-LINE	S Williams	02/12 - 06/07/24
The above section is an online class. A computer with Internet access is required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
ADJ-12	Introduction to Criminalistics								
Prerequisite: None Description: An introduction to the role of criminalistics in criminal investigations. The methods utilized in the forensic analysis of crime scenes, pattern evidence, instruments, trace evidence, biological evidence, weapons and firearms, questioned documents, and controlled substances. The categories of direct evidence, circumstantial evidence, physical evidence, testimonial evidence, and exculpatory evidence will be explored, and the pattern, chemical, and biological types of evidence will be examined. 54 hours lecture and 12 hours laboratory. (Letter grade only)									
32029	ADJ-12	Lecture		3			ON-LINE	L Walker	02/12 - 06/07/24
		Lab					ON-LINE		02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
ADJ-13	Criminal Investigation								
Prerequisite: None Description: Fundamentals of investigation, crime scene searches and documentation, collection and preservation of physical and testimonial evidence, forensic evidence analysis, modus operandi, sources of information, interviews and interrogations, follow-up and case preparation. 54 hours lecture. (Letter grade only)									
32031	ADJ-13	Lecture		3			ON-LINE	L Doyle	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
32032	ADJ-13	Lecture		3			ON-LINE	S McKay-Davis	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
ADJ-14	Advanced Criminal Investigation								
Prerequisite: ADJ-13 Description: Advanced training and skill development in crime scene investigation and in the recording, collection, and preservation of physical and testimonial evidence. Focus in on the understanding and working knowledge of fingerprints, ballistics firearms identification, varieties of trace evidence and a basic introduction to forensic sciences. 54 hours lecture and 12 hours laboratory. (Letter grade only)									
32033	ADJ-14	Lecture		3	T	06:00PM-09:10PM	STEM-302	L Doyle	04/15 - 06/07/24
							ON-LINE		04/15 - 06/07/24
		Lab					ON-LINE		04/15 - 06/07/24
The above section is a short-term hybrid class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a> Please note the start and end dates.									
ADJ-19	Introduction to Policing								
Prerequisite: None Description: The history and development of American policing structures, including an overview of the different eras of policing and its evolution. An examination of community expectations of law enforcement and law enforcement professional expectations. An introduction to chain of command and the structure of police agencies, including recruitment and hiring practices. An analysis of the culture and training within law enforcement agencies, including a factual and research-based analysis of use of force issues. Discussion of successes and challenges within modern policing, including controversial topics within policing. Discussion of community oriented policing strategies, crime analysis, and future needs and evolutions of policing. 54 hours lecture. (Letter grade only)									
34393	ADJ-19	Lecture		3			ON-LINE	M Leese	04/15 - 06/07/24
The above is a short term online class. Please note the start and end dates. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
ADJ-27	Forensic and Crime Scene Photography								
Prerequisite: None Description: The theory and practice of forensic and crime scene photography, with a specific focus upon the proficiency and development of technical photography skills in legal and field environments. Students will obtain an introduction to the basic principles of photography and significant academic and technical exposure and skill-building in forensic photography, with a focus upon photographic documentation of forensic environments, including crime scene photography, injury documentation, traffic collision and property damage, evidence photography, forensic light source photography, low light/nighttime scene photography, specialized crime scene photography, and proper and lawful photographic evidence collection. A comprehensive review of academic legal knowledge regarding the rules of evidence and crime scene investigation techniques as it relates to crime scene photography. 36 hours lecture and 54 hours laboratory. (Same as PHO 27) (Letter grade only)									
32034	ADJ-27	Lecture		3	W	06:00PM-08:05PM	STEM-302	S McKay-Davis	02/12 - 06/07/24
		Lab			Th	06:00PM-09:10PM	STEM-302		02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									

## ANTHROPOLOGY

ANT-1		Physical Anthropology							
Prerequisite: None Description: An introduction to human biological evolution, physical diversity, and relationship to the animal world, using scientific and comparative methods. Incorporates the study of genetics, fossils, primates, and modern human variation within an evolutionary framework. Students may not receive credit for both ANT-1 and ANT-1H. 54 hours lecture. (Letter grade only)									
32058	ANT-1	Lecture	ZTC	3			ON-LINE	A Gray	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
32059	ANT-1	Lecture	ZTC	3			ON-LINE	A Gray	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
32060	ANT-1	Lecture	ZTC	3			ON-LINE	A Gray	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
32061	ANT-1	Lecture	ZTC	3			ON-LINE	A Gray	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
32065	ANT-1	Lecture		3	MW	02:30PM-03:55PM	HUM-111	S Wakim	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
32066	ANT-1	Lecture		3	Th	04:10PM-05:35PM	HUM-111	A Mejia	02/12 - 06/07/24
							ON-LINE		02/12 - 06/07/24
The above is a hybrid class; students must attend class in-person as scheduled. Computer with Internet access required. See www.rccd.edu/de									
33073	ANT-1	Lecture		3			ON-LINE	A Gray	04/29 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
33223	ANT-1	Lecture		3			CUSD-ONLN	A Gray	02/12 - 06/07/24
The above section is restricted to the High School students participating in Norco College's Dual Enrollment Program. This section is an online class. Computer with Internet access required. See www.rccd.edu/de									
ANT-1L		Physical Anthropology Laboratory							
Prerequisite: None Corequisite: Concurrent enrollment in or prior completion of ANT-1 or 1H required. Description: Laboratory course exploring case studies and problems of human genetics, human variation, the identification of fossils through examination of fossil casts, human evolution, the study of the human skeleton, observation of primate behavior and structures utilizing the scientific method. 54 hours laboratory.									
32068	ANT-1L	Lab		1	Th	02:30PM-03:55PM	HUM-111	A Mejia	02/12 - 06/07/24
							ON-LINE		02/12 - 06/07/24
The above section is a hybrid class; students must attend class in-person as scheduled. Computer with Internet access required. See www.rccd.edu/de									
32069	ANT-1L	Lab		1			ON-LINE	A Mejia	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
32070	ANT-1L	Lab		1			ON-LINE	A Mejia	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
33077	ANT-1L	Lab		1			ON-LINE	A Mejia	04/29 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
33229	ANT-1L	Lab		1			CUSD-ONLN	A Mejia	02/12 - 06/07/24
The above section is restricted to the High School students participating in Norco College's Dual Enrollment Program. This section is an online class. Computer with Internet access required. See www.rccd.edu/de									
ANT-2		Cultural Anthropology							
Prerequisite: None Description: An introduction to the anthropological concept of culture and to the methods and theories used in the comparative analysis of cultures. Cultural practices and institutions are examined using perspectives that enhance effective participation in a culturally diverse world. 54 hours lecture. (Letter grade only)									
32072	ANT-2	Lecture		3			ON-LINE	S Wakim	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
32074	ANT-2	Lecture	ZTC	3			ON-LINE	T Du Bry	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
33232	ANT-2	Lecture		3			CUSD-ONLN	T Du Bry	02/12 - 06/07/24
The above section is restricted to the High School students participating in Norco College's Dual Enrollment Program. This section is an online class. Computer with Internet access required. See www.rccd.edu/de									
ANT-2H		Honors Cultural Anthropology							
Prerequisite: None. Limitation on enrollment: Enrollment in the Honors Program Description: An introduction to the anthropological concept of culture and to the methods and theories used in the comparative analysis of cultures. Cultural practices and institutions are examined using perspectives that enhance effective participation in a culturally diverse world. This honors course offers an enriched experience for accelerated students through limited class size, seminar format, focus on primary texts, and application of higher level critical thinking skills. Students may not receive credit for both ANT-2 and ANT-2H. 54 hours lecture. (Letter grade only)									
33078	ANT-2H	Lecture		3			ON-LINE	A Mejia	02/12 - 06/07/24
The above section is designed for students in the Honors Program. Canvas and other online applications may be required to complete The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
ANT-3		Prehistoric Cultures							
Prerequisite: None Description: The development of human society from the earliest evidence of culture to the beginnings of recorded history. The concepts, methods, and data of prehistoric archaeology are used to examine the major transitions in human prehistory, including the origins of culture, agriculture, and early civilization. 54 hours lecture.									
32075	ANT-3	Lecture		3			ON-LINE	C Goralski	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									

## APPRENTICE

APP-450	Apprenticeship Work Experience
Prerequisite: None DESCRIPTION: Opportunity to develop attitudes, skills, and knowledge consistent with their selected trade. A journeyman or professional mentor provides instruction and evaluation of skills expected of an apprentice. Emphasis is on trade employability skills and attitudes. Students complete apprenticeship work experience hours at approved trainingsites. This four-unit course requires 300 hours of paid work experience. Students may take up to 16 units of apprenticeship work experiences course offerings. (Letter grade or Pass/No Pass option.)	

SECT#	Course#	Instruction	ZTC/LTC	Units	Days	Time	Bldg-Room	Instructor	Dates
32077	APP-450	Lecture		4			ON-LINE	R Wolfer	02/12 - 06/07/24
Online classes are distance education classes with no scheduled meeting days. Students will log in to Canvas and complete work regularly throughout the week. Canvas and other technologies will be required to complete coursework. The above section is restricted to students participating in Norco Colleges Apprenticeship Program. For more information about the apprenticeship program, please contact CTE@norccollege.edu									

## ARCHITECTURE

ARE-35	History of Architecture-Beginnings through Gothic								
Prerequisite: None Description: An examination of Western architecture form and design from antiquity through the Gothic period. Architectural monuments of the Western world will be analyzed and interpreted in terms of religious, social, and political context. Particular emphasis is given to process and sources of design, types and purposes of buildings as well as architecture and art in the built environment by considering the source and meaning of beauty. 54 hours lecture.(Letter Grade, or Pass/No Pass option.)									
33102	ARE-35	Lecture		3			ON-LINE	A Ghiassi	02/12 - 04/05/24
The above is a short term online class. Please note the start and end dates. Computer with Internet access required. See www.rccd.edu/de									
ARE-36	History of Architecture: Renaissance to Modern								
Prerequisite: None Description: A survey of the major movements in the form, theory and design of Western architecture and art from the Renaissance through the 20th century will be studied and interpreted in terms of religious social and political context. Particular emphasis will be placed on a comparative study of architectural monuments and architects, the sources of design, meaning of beauty, and conditions that influence the Western architectural traditions. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)									
32080	ARE-36	Lecture		3			ON-LINE	A Ghiassi	04/15 - 06/07/24
The above is a short term online class. Please note the start and end dates. Computer with Internet access required. See www.rccd.edu/de									
ARE-37	Architectural Design I								
Prerequisite: None Description: This course is an introduction into the use of determining factors, which revolve around the design of mankind's physical and visual environment. Emphasis is placed on two- and three-dimensional representation dealing with design composition, spatial relationships, and the use of various media for graphic communication. 27 hours lecture and 90 hours laboratory. (Letter Grade, or Pass/No Pass option.)									
32081	ARE-37	Lecture		3			ON-LINE	F Mirzaei	02/26 - 06/07/24
		Lab			W	02:00PM-05:10PM	ATEC-109		02/26 - 06/07/24
		Lab					ON-LINE		02/26 - 06/07/24
The above is a short term hybrid class; students must attend class in-person as scheduled. Please note the start and end dates. Computer with Internet access required. See www.rccd.edu/de									

## ART

ART-6	Art Appreciation								
Prerequisite: None Advisory: ENG-1A Description: An introductory course for the non-art major. The creative process and the diversity of style, technique and media, evident in various art forms throughout history and culture. Students may not receive credit for both ART-6 and ART-6H. 54 hours lecture. (Same as AHS-6) (Letter Grade, or Pass/No Pass option.)									
32100	ART-6	Lecture	3			ON-LINE	M Chandler	02/12 - 06/07/24	
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de.									
32101	ART-6	Lecture	3	MW	11:10AM-12:35PM	IT-122	M Chandler	02/12 - 06/07/24	
Canvas and other online applications may be required to complete coursework.									
32102	ART-6	Lecture	3			ON-LINE	M Chandler	02/12 - 06/07/24	
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de.									
32103	ART-6	Lecture	3			ON-LINE	L Lavitt	02/12 - 06/07/24	
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
32104	ART-6	Lecture	3			ON-LINE	C Falzone Robinson	02/12 - 06/07/24	
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
32105	ART-6	Lecture	3	MW	12:45PM-02:10PM	IT-211	M Chandler	04/15 - 06/07/24	
ON-LINE 04/15 - 06/07/24									
The above section is a short term hybrid class; students must attend class in-person as scheduled. Please note the start and end dates. Computer with Internet access required. See www.rccd.edu/de									
32106	ART-6	Lecture	3			CUSD-ONLN	C Falzone Robinson	02/12 - 06/07/24	
This section is restricted to High School Students participating in Norco College's Dual Enrollment Program. This sction is an online class. Computer with internet access required. See www.rccd.edu/de									
33216	ART-6	Lecture	3			CUSD-ONLN	C Falzone Robinson	02/12 - 06/07/24	
The above section is restricted to the High School students participating in Norco College's Dual Enrollment Program. This section is an online class. Computer with Internet access required. See www.rccd.edu/de									
ART-17 Beginning Drawing									
Prerequisite: None Description: An introduction to the fundamentals of drawing in a variety of media. The exploration of the elements of art, the principles of composition, perspective and the development of observational, motor and creative skills. Emphasis will be on black and white media. Students pay for their own materials. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)									
32085	ART-17	Lecture	3	T	02:00PM-02:50PM	ATEC-209	M Lindeman	02/12 - 06/07/24	
		Lab		Th	02:00PM-03:05PM	ATEC-209		02/12 - 06/07/24	
				TTh	03:05PM-05:15PM	ATEC-209		02/12 - 06/07/24	
Canvas and other online applications may be required to complete coursework.									
32086	ART-17	Lecture	3	M	11:10AM-12:00PM	ATEC-209	M Ramin	02/12 - 06/07/24	
				W	11:10AM-12:15PM	ATEC-209		02/12 - 06/07/24	
		Lab		MW	12:20PM-02:25PM	ATEC-209		02/12 - 06/07/24	
Canvas and other online applications may be required to complete coursework.									
ART-18 Intermediate Drawing									
Prerequisite: ART-17 Description: Intermediate level and continued study of drawing with emphasis on the use of color media. Basic color theory will be explored in thoughtful compositions. Students pay for their own materials. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)									
32087	ART-18	Lecture	3	T	09:35AM-10:25AM	ATEC-209	M Lindeman	02/12 - 06/07/24	
				Th	09:35AM-10:40AM	ATEC-209		02/12 - 06/07/24	
		Lab		TTh	10:40AM-12:50PM	ATEC-209		02/12 - 06/07/24	
Canvas and other online applications may be required to complete coursework.									



SECT#	Course#	Instruction	ZTC/LTC	Units	Days	Time	Bldg-Room	Instructor	Dates
ART-20	Beginning Sculpture								
Prerequisite: None Description: An introduction to the fundamentals of sculpture design and creation. A variety of materials, such as clay, wax and plaster, will be used. Additive, subtractive and construction methods for creating the sculptural pieces will be explored, as well as other traditional and contemporary forms and techniques. Students pay for their own materials. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)(Materials fee: \$15.00)									
32088	ART-20	Lecture		3	F	09:00AM-11:10AM	ATEC-209	D Campuzano	02/23 - 06/07/24
		Lab			F	11:50AM-04:20PM	ATEC-209		02/23 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
ART-22	Basic Design								
Prerequisite: None Description: An introduction to the fundamentals of two-dimensional design. The organization of visual elements according to the principles of design. Emphasis placed on visual perception, theory, dexterity, problem solving, analysis, application, skill, and presentation. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)									
32089	ART-22	Lecture		3			ON-LINE	M Lindeman	02/12 - 06/07/24
		Lab					ON-LINE		02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
32090	ART-22	Lecture		3			IQLA-ONLN	M Lindeman	02/12 - 06/07/24
		Lab					IQLA-ONLN		02/12 - 06/07/24
This section is restricted to the High School students participating in Norco College's Dual Enrollment Program. This section is an online class. Computer with Internet access required. See www.rccd.edu/de									
32091	ART-22	Lecture		3	T	06:00PM-06:50PM	ATEC-209	T Haerens	02/12 - 06/07/24
					Th	06:00PM-07:05PM	ATEC-209		02/12 - 06/07/24
		Lab			TTh	07:05PM-09:15PM	ATEC-209		02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
32092	ART-22	Lecture		3			CAVA-ONLN	M Lindeman	02/12 - 06/07/24
		Lab					CAVA-ONLN		02/12 - 06/07/24
The above section is restricted to students enrolled in the California Virtual Academy (CAVA) only. The section is an online class. Computer internet access required. See www.rccd.edu/de.									
ART-23	Color Theory and Design								
Prerequisite: ART-22 or ART-17 Description: The study of color theory and two-dimensional design. The practice of the organization of the visual elements according to the principles of design. Emphasis placed on more advanced methods of communicating ideas through color in design 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)									
32093	ART-23	Lecture		3	W	06:00PM-08:05PM	ATEC-209	T Le	02/12 - 06/07/24
		Lab					ON-LINE		02/12 - 06/07/24
The above section is a hybrid class; students must attend class in-person as scheduled. Computer with Internet access required. See www.rccd.edu/de									
ART-24	Three Dimensional Design								
Prerequisite: None Description: An introduction to the fundamentals of three-dimensional design. The use of the visual elements and the practice of the principles of design as they relate to various three-dimensional art forms (i.e., sculpture, architecture and product, commercial, stage, environmental and interior design). Students pay for their own materials. 36 hours lecture and 72 hours laboratory.(Letter Grade, or Pass/No Pass option.)(Materials fee: \$15.00)									
32094	ART-24	Lecture		3	M	02:30PM-03:20PM	ATEC-209	M Ramin	02/12 - 06/07/24
					W	02:30PM-03:35PM	ATEC-209		02/12 - 06/07/24
		Lab			MW	03:45PM-05:50PM	ATEC-209		02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
ART-26	Beginning Painting								
Prerequisite: ART-17 Description: An introduction to the fundamentals of painting (oil or acrylic). An exploration of various considerations in painting; techniques, process, color theory, visual perception, composition, and creative skills. Students pay for their own materials. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)									
32095	ART-26	Lecture		3	M	07:45AM-08:35AM	ATEC-209	T Le	02/12 - 06/07/24
					W	07:45AM-08:50AM	ATEC-209		02/12 - 06/07/24
		Lab			M	08:45AM-11:00AM	ATEC-209		02/12 - 06/07/24
		Lab			W	08:55AM-11:00AM	ATEC-209		02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
ART-27	Intermediate Painting								
Prerequisite: ART-23 or ART-26 Description: Intermediate level of painting (oil or acrylic). Continued exploration of various techniques and the application of color theory. Development of visual, compositional, and creative skills. Students pay for their own materials. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)									
32096	ART-27	Lecture		3	M	07:45AM-08:35AM	ATEC-209	T Le	02/12 - 06/07/24
					W	07:45AM-08:50AM	ATEC-209		02/12 - 06/07/24
		Lab			M	08:45AM-11:00AM	ATEC-209		02/12 - 06/07/24
		Lab			W	08:55AM-11:00AM	ATEC-209		02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
ART-28A	Studio Painting-Portfolio Preparation								
Prerequisite: ART-27 Description: Independent painting studio for the self-motivated student with emphasis on individual art problems and portfolio development. Specific agreement identifying intent, ideas, goals, and media, to be arranged between instructor and student. Emphasis will be on independent concept, development, and portfolio preparation. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option)									
32097	ART-28A	Lecture		3	M	07:45AM-08:35AM	ATEC-209	T Le	02/12 - 06/07/24
					W	07:45AM-08:50AM	ATEC-209		02/12 - 06/07/24
		Lab			M	08:45AM-11:00AM	ATEC-209		02/12 - 06/07/24
		Lab			W	08:55AM-11:00AM	ATEC-209		02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
ART-48A	Studio Drawing-Portfolio Preparation								
Prerequisite: ART-18 Description: Continued studio drawing for the self-motivated student with emphasis on planning, independence, individualized problems, and portfolio organization and preparation. Specific agreement identifying intent, ideas, goals, and media, to be arranged between instructor and student. Students pay for their own materials. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)									
32099	ART-48A	Lecture		3	T	09:35AM-10:25AM	ATEC-209	M Lindeman	02/12 - 06/07/24
					Th	09:35AM-10:40AM	ATEC-209		02/12 - 06/07/24
		Lab			TTh	10:40AM-12:50PM	ATEC-209		02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									

SECT#	Course#	Instruction	ZTC/LTC	Units	Days	Time	Bldg-Room	Instructor	Dates
-------	---------	-------------	---------	-------	------	------	-----------	------------	-------

## ART HISTORY

AHS-2	History of Western Art: Renaissance through Contemporary								
Prerequisite: None Advisory: Qualification for ENG-1A Description: Survey of the history of Western art: Painting, architecture, and sculpture, from the Renaissance through contemporary art. Student may not receive credit for both AHS-2 and AHS-2H. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)									
32047	AHS-2	Lecture		3			ON-LINE	M Chandler	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a> .									
AHS-6	Art Appreciation								
Prerequisite: None Advisory: ENG-1A Description: An introductory course for the non-art major. The creative process and the diversity of style, technique and media, evident in various art forms throughout history and culture. Students may not receive credit for both AHS-6 and AHS-6H. 54 hours lecture. (Same as ART-6) (Letter Grade, or Pass/No Pass option.)									
32048	AHS-6	Lecture		3			CENT-ONLN	R Dzikonski	02/12 - 06/07/24
The above section is restricted to Centennial High School students participating in Norco College's Dual Enrollment Program. This section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
32049	AHS-6	Lecture		3	W	07:30AM-09:20AM	ERHS-B101 ON-LINE	N Green-Hodges	02/12 - 06/07/24 02/12 - 06/07/24
The above section is restricted to Eleanor Roosevelt High School students participating in Norco College's Dual Enrollment Program. This is a hybrid class; students must attend class in-person as scheduled. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
32051	AHS-6	Lecture		3			ON-LINE	M Chandler	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
32052	AHS-6	Lecture		3	MW	11:10AM-12:35PM	IT-122	M Chandler	02/12 - 06/07/24
32053	AHS-6	Lecture		3			ON-LINE	M Chandler	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
32054	AHS-6	Lecture		3			ON-LINE	L Lavitt	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
32055	AHS-6	Lecture		3			ON-LINE	C Falzone Robinson	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
32056	AHS-6	Lecture		3	MW	12:45PM-02:10PM	IT-211 ON-LINE	M Chandler	04/15 - 06/07/24 04/15 - 06/07/24
The above section is a short term hybrid class; students must attend class in-person as scheduled. Please note the start and end dates. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
33148	AHS-6	Lecture		3			SANT-ONLN	L Stone	02/12 - 06/07/24
The above section is restricted to Santiago High School students participating in Norco College's Dual Enrollment Program. This section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
AHS-10	Modern and Contemporary Art History								
Prerequisite: None Description: A survey of the development and history of modern art with emphasis on its major movements, leading artists, and contemporary trends. Painting, sculpture, and architecture will be discussed in terms of their historical, social, and political context. Beginning with mid-19th century movements (Realism and Impressionism), the study will continue through the current trends and new media of the day. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)									
32044	AHS-10	Lecture		3			ON-LINE	M Chandler	04/15 - 06/07/24
The above section short term hybrid class; students must attend class in-person as scheduled. Please note the start and end dates. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
AHS-12	Asian Art History								
Prerequisite: None Description: A survey of the history of Asian art from prehistoric times to the present, including the religious and philosophical influence on the development of the art forms of architecture, sculpture, ceramics, painting, and the minor arts. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)									
32045	AHS-12	Lecture		3			ON-LINE	L Stone	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a> .									

## BIOLOGY

BIO-1	General Biology								
Prerequisite: None. Description: Introductory course designed for non-science majors that offers an integrated study of the basic principles of biology, with emphasis on the principles of structure and function, genetics, development, evolution, and ecology. Discussions on the philosophy, concepts, and implications of modern biology will be included. Students may not receive credit for both BIO-1 and BIO-1H. 54 hours lecture and 54 hours laboratory. (Letter Grade only)									
32107	BIO-1	Lecture Lab	ZTC	4	TTh T	08:00AM-09:25AM IT-101 09:35AM-12:45PM IT-128	M Jones	02/12 - 06/07/24 02/12 - 06/07/24	
Canvas and other online applications may be required to complete coursework.									
32109	BIO-1	Lecture Lab	ZTC	4	TTh T	11:15AM-12:40PM IT-117 02:00PM-05:10PM IT-128	M Donovan M Gutierrez	02/12 - 06/07/24 02/12 - 06/07/24	
Canvas and other online applications may be required to complete coursework.									
32111	BIO-1	Lecture Lab	ZTC	4	TTh Th	11:15AM-12:40PM IT-117 02:00PM-05:10PM IT-128	M Donovan M Gutierrez	02/12 - 06/07/24 02/12 - 06/07/24	
Canvas and other online applications may be required to complete coursework.									
32112	BIO-1	Lecture Lab	ZTC	4	F F	01:00PM-04:35PM IT-101 08:30AM-12:05PM IT-128	O Kim	02/23 - 05/31/24 02/23 - 05/31/24	
The above section is a short term class. Please note the start and end dates. Canvas and other online applications may be required to complete coursework.									
32113	BIO-1	Lecture Lab	ZTC	4	TTh Th	08:00AM-09:25AM IT-101 09:35AM-12:45PM IT-128	M Jones	02/12 - 06/07/24 02/12 - 06/07/24	
Canvas and other online applications may be required to complete coursework.									
32115	BIO-1	Lecture Lab	ZTC	4	TTh T	04:15PM-05:40PM ATEC-114 06:00PM-09:10PM IT-128	A Osorio	02/12 - 06/07/24 02/12 - 06/07/24	
Canvas and other online applications may be required to complete coursework.									

SECT#	Course#	Instruction	ZTC/LTC	Units	Days	Time	Bldg-Room	Instructor	Dates
<b>BIO-1H Honors General Biology</b> Prerequisite: None. Limitation on enrollment: Enrollment in the Honors program Description: Designed for the non-science major. Students will explore the basic principles of biology, with particular emphasis on the molecular and cellular basis of life as well as genetics, development, evolution and ecology. Discussions on the philosophy, unifying concepts and applications/implications of biology will be included. The Honors course offers an enriched experience for accelerated students through smaller class size; a focus on the evidentiary basis of biological models; and the application of higher level critical thinking skills. Moreover, a thematic/concept-based approach to the course material will be used rather than the traditional topic-based, survey format. The laboratory component will involve completion of directed research projects that culminate in the submission and presentation of research papers, oral presentations and/or poster presentations in the appropriate scientific format. Students may not receive credit for both BIO-1 and BIO-1H. 54 hours lecture and 54 hours laboratory. (Letter grade only)									
33062	BIO-1H	Lecture		4	W	02:20PM-05:30PM	IT-208	A Tocts	02/12 - 06/07/24
		Lab			M	02:20PM-05:30PM	IT-128		02/12 - 06/07/24
This section is designed for students in the Honors Program.									
<b>BIO-4 Human Biology (formerly Bio-17)</b> Prerequisite: None Description: A non-major introductory course in biology which offers an integrated study of the basic principles of biology as revealed in the human body. Emphasis is placed on cellular and system organization in relation to specific function and common disorders affecting the body; the interaction between the human body and its environment. Controversial, thought-provoking topics related to modern biology and medical advances involving genetic engineering will be included. This course satisfies district graduation and transfer requirements for a science lecture and laboratory course. 54 hours lecture and 54 hours laboratory. (Letter grade only)									
32123	BIO-4	Lecture		4	MW	12:45PM-02:10PM	IT-101	D Mitchell	02/12 - 06/07/24
		Lab			M	08:30AM-11:40AM	ST-207		02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
32124	BIO-4	Lecture		4	MW	12:45PM-02:10PM	IT-101	D Mitchell	02/12 - 06/07/24
		Lab			W	08:30AM-11:40AM	ST-207		02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
32125	BIO-4	Lecture		4			ON-LINE	H Hobson	02/12 - 03/22/24
		Lab			MTTh	06:30PM-09:35PM	ST-207		02/12 - 03/22/24
Enrolling in the above course will require enrolling in BIO-50A-32131. The above is a short term hybrid class; students must attend class in-person as scheduled. Please note the start and end dates. Computer with Internet access required. See www.rccd.edu/de									
<b>BIO-5 General Botany</b> Prerequisite: None Description: Introduction to the plant sciences with principal emphasis on the structures, functions and ecology of common members of each of the major plant divisions. Designed for nonmajors and majors in health science, forestry, agriculture, environmental science, landscape design, horticulture and general nature studies. 54 hours lecture and 54 hours laboratory. (Letter grade only)									
33063	BIO-5	Lecture		4	M	08:30AM-11:00AM	IT-128	T Friedrich Finnern	02/12 - 06/07/24
							ON-LINE		02/12 - 06/07/24
		Lab			W	08:30AM-11:40AM	IT-128		02/12 - 06/07/24
The above is a hybrid class; students must attend class in-person as scheduled. Computer with Internet access required. See www.rccd.edu/de									
<b>BIO-10 Life Science Principles</b> Prerequisite: None Description: For non-life science majors. An introduction to the principles of life sciences through the study of basic biological concepts of living organisms involving structure, behavior, evolutionary relationships and the social and environmental implications of life science. No credit at the University of California if taken following BIO-1 or 1H. 54 hours lecture.									
32118	BIO-10	Lecture	ZTC	3			ON-LINE	T Friedrich Finnern	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
33103	BIO-10	Lecture	ZTC	3			ON-LINE	T Friedrich Finnern	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de This section is restricted to high school students participating in College's Dual Enrollment Program.									
33230	BIO-10	Lecture		3			CUSD-ONLN	T Friedrich Finnern	02/12 - 06/07/24
The above section is restricted to the High School students participating in Norco College's Dual Enrollment Program. This section is an online class. Computer with Internet access required. See www.rccd.edu/de									
<b>BIO-18 Human Genetics (formerly Bio-34)</b> Prerequisite: None Advisory: High school biology or any college life science course with laboratory. Description: A general education course for non-biology majors and allied health students who are interested in the underlying mechanisms of human heredity. Emphasis will be given to the role of genetics and environment on cells, individuals, family and human populations. Discussion on human genetic disorders and the social implications of modern human genetics will be included. 54 hours lecture. (Letter grade only)									
32119	BIO-18	Lecture	ZTC	3			ON-LINE	V Sharma	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
32120	BIO-18	Lecture	ZTC	3			ON-LINE	V Sharma	02/12 - 06/07/24
The above section is restricted to high school students participating in College's Dual Enrollment Program. The above section is an online class. Computer with Internet access required. See www.rccd.edu/de.									
33260	BIO-18	Lecture		3			CUSD-ONLN	V Sharma	02/12 - 06/07/24
The above section is restricted to the High School students participating in Norco College's Dual Enrollment Program. This section is an online class. Computer with Internet access required. See www.rccd.edu/de									
<b>BIO-19 Environmental Science (formerly Bio-36)</b> Prerequisite: None Description: A study of humans in relation to the environment that emphasizes population ecology, nutrient cycles and energy flow, pollution, food production, and conservation of natural resources. 54 hours lecture. (Letter grade only)									
32121	BIO-19	Lecture		3	M	11:10AM-12:35PM	IT-108	T Friedrich Finnern	02/12 - 06/07/24
							ON-LINE		02/12 - 06/07/24
The above is a hybrid class; students must attend class in-person as scheduled. Computer with Internet access required. See www.rccd.edu/de Final Exam date:6/5/24 at 11:00AM-1:30PM in ATEC 210									
<b>BIO-45 Survey of Human Anatomy and Physiology (formerly Amy-10)</b> Prerequisite: None Description: An introductory and survey course of structural and functional aspects of the human body. Emphasis is placed on cell organization, human tissues, and discussion of each of the human systems. 54 hours lecture. (Letter Grade Only)									
32126	BIO-45	Lecture	ZTC	3			ON-LINE	J Drainville	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
32127	BIO-45	Lecture	ZTC	3			ON-LINE	J Drainville	02/12 - 06/07/24
This section is restricted to the High School students participating in Norco College's Dual Enrollment Program. The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
33233	BIO-45	Lecture		3			CUSD-ONLN	J Drainville	02/12 - 06/07/24
The above section is restricted to the High School students participating in Norco College's Dual Enrollment Program. This section is an online class. Computer with Internet access required. See www.rccd.edu/de									



SECT#	Course#	Instruction	ZTC/LTC	Units	Days	Time	Bldg-Room	Instructor	Dates
BIO-50A		Anatomy and Physiology I							
Prerequisite: BIO-1 or BIO-1H or BIO-4 or BIO-55 or BIO-60 or BIO-60H Advisory: CHE-2A or CHE-3 Description: First of a two course sequence that introduces students to the basic concepts and principles of anatomy and physiology. This course will provide a foundation for advanced study of the human body. The course covers body orientation and organization, cells and tissues, the skeletal, muscular systems, neurophysiology, and central nervous system. Designed to meet the prerequisites for professional programs, e.g. nursing, dental hygiene, and physical therapy. 36 hours lecture and 108 hours laboratory. (Letter grade only)									
32128	BIO-50A	Lecture		4	T	05:15PM-06:05PM	IT-101	I McGuire	02/12 - 06/07/24
		Lab			Th	05:15PM-06:20PM	IT-101		02/12 - 06/07/24
					TTh	06:30PM-09:40PM	ST-211		02/12 - 06/07/24
32129	BIO-50A	Lecture		4	T	11:30AM-12:20PM	ATEC-114	P Campo	02/12 - 06/07/24
		Lab			Th	11:30AM-12:35PM	ATEC-114		02/12 - 06/07/24
					TTh	08:00AM-11:10AM	ST-207		02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
32130	BIO-50A	Lecture		4	T	11:30AM-12:20PM	ATEC-114	P Campo	02/12 - 06/07/24
		Lab			Th	11:30AM-12:35PM	ATEC-114		02/12 - 06/07/24
					TTh	02:00PM-05:10PM	ST-207		02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
33064	BIO-50A	Lecture		4	F	09:00AM-10:05AM	ST-207	W Whalen	02/23 - 06/01/24
		Lab			S	09:00AM-10:05AM	ST-207		02/23 - 06/01/24
					FS	10:15AM-01:50PM	ST-207		02/23 - 06/01/24
The above section is a short term class. Please note the start and end dates. Canvas and other online applications may be required to complete coursework.									
34344	BIO-50A	Lecture		4	MTTh	04:15PM-05:35PM	IT-117	C Breidenbaugh	04/02 - 05/30/24
		Lab			MTWTh	06:00PM-09:20PM	ST-207		04/02 - 05/30/24
The above section is a short term class. Please note the start and end dates. Canvas and other online applications may be required to complete coursework.									
BIO-50B		Anatomy and Physiology II (formerly Amy-2b)							
Prerequisite: BIO-50A Description: Second of a two course sequence in anatomy and physiology that covers these systems: nervous, special senses, endocrine, cardiovascular, lymphatic, respiratory, urinary, digestive, and reproductive organ systems. 36 hours lecture and 108 hours laboratory. (Letter grade only)									
32132	BIO-50B	Lecture		4	T	11:30AM-12:20PM	IT-101	J Drainville	02/12 - 06/07/24
		Lab			Th	11:30AM-12:35PM	IT-101		02/12 - 06/07/24
					TTh	08:00AM-11:10AM	ST-211		02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
32133	BIO-50B	Lecture		4	T	11:30AM-12:20PM	IT-101	J Drainville	02/12 - 06/07/24
		Lab			Th	11:30AM-12:35PM	IT-101		02/12 - 06/07/24
					TTh	02:00PM-05:10PM	ST-211		02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
32134	BIO-50B	Lecture		4	M	08:00AM-08:50AM	ST-211	G Johansen	02/12 - 06/07/24
		Lab			W	08:00AM-09:05AM	ST-211		02/12 - 06/07/24
					MW	09:15AM-12:25PM	ST-211		02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
32135	BIO-50B	Lecture		4	M	12:45PM-01:35PM	ATEC-205	A Tocts	02/12 - 06/07/24
		Lab			W	12:45PM-01:50PM	ATEC-205	S Tronti	02/12 - 06/07/24
					MW	02:00PM-05:10PM	ST-211		02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
32136	BIO-50B	Lecture		4	M	12:40PM-01:30PM	ST-207	G Blanco	02/12 - 06/07/24
		Lab			W	12:40PM-01:45PM	ST-207		02/12 - 06/07/24
					MW	01:50PM-05:00PM	ST-207		02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
32137	BIO-50B	Lecture		4	M	05:15PM-06:05PM	ATEC-205	W Whalen	02/12 - 06/07/24
		Lab			W	05:15PM-06:20PM	ATEC-205		02/12 - 06/07/24
					MW	06:30PM-09:40PM	ST-211		02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
32138	BIO-50B	Lecture		4	FS	09:00AM-10:05AM	ST-211	B Tran	02/23 - 06/01/24
		Lab			FS	10:15AM-01:50PM	ST-211		02/23 - 06/01/24
The above section is a short term class. Please note the start and end dates. Canvas and other online applications may be required to complete coursework.									
BIO-55		Microbiology (formerly Mic-1)							
Prerequisite: CHE-2A or CHE-2B or CHE-3, and BIO-1 or BIO-1H or BIO-50A or BIO-60 or BIO-60H Description: General characteristics of microorganisms with emphasis on morphology, growth, control, metabolism and reproduction; their role in disease, body defenses, and application to the biomedical field. 54 hours lecture and 54 hours laboratory. (Letter grade only)									
32139	BIO-55	Lecture		4	MW	07:35AM-09:00AM	IT-101	M Gutierrez	02/12 - 06/07/24
		Lab			M	09:10AM-12:20PM	ST-203		02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
32140	BIO-55	Lecture		4	MW	07:35AM-09:00AM	IT-101	M Gutierrez	02/12 - 06/07/24
		Lab			W	09:10AM-12:20PM	ST-203		02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
32141	BIO-55	Lecture		4	TTh	11:15AM-12:40PM	STEM-201	S Tronti	02/12 - 06/07/24
		Lab			T	02:00PM-05:10PM	ST-203		02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
32142	BIO-55	Lecture		4	TTh	11:15AM-12:40PM	STEM-201	S Tronti	02/12 - 06/07/24
		Lab			Th	02:00PM-05:10PM	ST-203		02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									

SECT#	Course#	Instruction	ZTC/LTC	Units	Days	Time	Bldg-Room	Instructor	Dates
32143	BIO-55	Lecture		4	T	06:00PM-09:10PM	ST-203	J Hyland	02/12 - 06/07/24
		Lab			Th	06:00PM-09:10PM	ST-203		02/12 - 06/07/24

Canvas and other online applications may be required to complete coursework.

**BIO-60** Introduction to Molecular and Cellular Biology (formerly Bio-11)  
 Prerequisite: CHE-1A or CHE-1AH Advisory: MAT-35, ENG-50, ENG-80 or qualifying placement level Description: An intensive course for all Life Science majors designed to prepare the student for upper division courses in molecular biology, cell biology, developmental biology, evolution, and genetics. Course material includes principles of biochemistry, prokaryotic and eukaryotic cell structure and function, metabolism including photosynthesis and respiration, cell division and its control, classical and molecular genetics, signal transduction, early animal development, evolution and the diversity of life at the cellular level. 72 hours lecture and 54 hours laboratory.

32144	BIO-60	Lecture		5	MW	11:05AM-01:10PM	ATEC-114	P Campo	02/12 - 06/07/24
		Lab			W	01:50PM-05:00PM	ST-203		02/12 - 06/07/24

Canvas and other online applications may be required to complete coursework.

**BIO-61** Introduction to Organismal and Population Biology (formerly Bio-12)  
 Prerequisite: BIO-60 or BIO-60H Description: An intensive course designed for all Life Science majors to prepare the student for upper division courses in organismal and population biology. Course materials include plant structure and function, animal systems and behavior, ecological diversity and dynamics, and evolutionary theory, including population genetics. This course along with Biology 60 is intended to fulfill a year of transferable lower division general biology. Some field trips are required. 72 hours lecture and 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

32145	BIO-61	Lecture		5	MW	11:05AM-01:10PM	IT-117	J Drainville	02/12 - 06/07/24
		Lab			W	01:50PM-05:00PM	IT-128		02/12 - 06/07/24

Canvas and other online applications may be required to complete coursework.

## BUSINESS ADMINISTRATION

**BUS-10** Introduction to Business  
 Prerequisite: None. Description: Scope, function and organization of contemporary business; fundamentals, concepts, principles, and current practices in the major areas of business activity with an integrated global perspective. 54 hours lecture. (Letter Grade only)

32146	BUS-10	Lecture		3	MW	11:15AM-12:40PM	HUM-102	A Martin	02/12 - 06/07/24
-------	--------	---------	--	---	----	-----------------	---------	----------	------------------

Canvas and other online applications may be required to complete coursework.

32147	BUS-10	Lecture		3			ON-LINE	K Schluter	02/12 - 06/07/24
-------	--------	---------	--	---	--	--	---------	------------	------------------

The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de).

32148	BUS-10	Lecture		3			ON-LINE	A Martin	02/12 - 04/05/24
-------	--------	---------	--	---	--	--	---------	----------	------------------

The above section is a short-term online class. Please note the start and end dates. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de).

32149	BUS-10	Lecture		3			ON-LINE	A Martin	04/15 - 06/07/24
-------	--------	---------	--	---	--	--	---------	----------	------------------

The above section is a short-term online class. Please note the start and end dates. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de).

32151	BUS-10	Lecture		3			ON-LINE	E Doucette	02/12 - 06/07/24
-------	--------	---------	--	---	--	--	---------	------------	------------------

The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

32153	BUS-10	Lecture		3			ON-LINE	E Doucette	04/15 - 06/07/24
-------	--------	---------	--	---	--	--	---------	------------	------------------

The above section is a short-term online class. Please note the start and end dates. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

32154	BUS-10	Lecture		3	Th	06:00PM-09:10PM	ATEC-114	F Almeida	04/15 - 06/07/24
							ON-LINE		04/15 - 06/07/24

The above section is a short-term hybrid class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de) Please note the start and end dates.

33224	BUS-10	Lecture		3			CUSD-ONLN	K Schluter	02/12 - 06/07/24
-------	--------	---------	--	---	--	--	-----------	------------	------------------

The above course is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de) This section is restricted to the CNUSD High School students participating in Norco College's Dual Enrollment Program.

**BUS-18A** Business Law I  
 Prerequisite: None. Description: Covers the fundamental legal principles pertaining to business transactions. Provides and overview of an introduction to the legal process and dispute resolution. Coverage of federal and state court systems and a comprehensive study of contracts under the common law and the Uniform Commercial Code. Additional coverage includes include sources of law, business ethics, constitutional law, tort law, agency, business organizations, and criminal law as applied to business. 54 hours lecture. (Letter grade only)

32155	BUS-18A	Lecture		3			ON-LINE	G Sonnier	02/12 - 06/07/24
-------	---------	---------	--	---	--	--	---------	-----------	------------------

The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de).

32156	BUS-18A	Lecture		3	T	06:00PM-09:10PM	HUM-102	J Alpay	02/12 - 04/05/24
							ON-LINE		02/12 - 04/05/24

The above section is a short-term hybrid class. Please note the start and end dates. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de).

32157	BUS-18A	Lecture		3			ON-LINE	J Alpay	02/12 - 04/05/24
-------	---------	---------	--	---	--	--	---------	---------	------------------

The above section a short term online class. Please note the start and end dates. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de).

32158	BUS-18A	Lecture		3			ON-LINE	J Alpay	04/15 - 06/07/24
-------	---------	---------	--	---	--	--	---------	---------	------------------

The above section a short term online class. Please note start and end dates. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de).

33225	BUS-18A	Lecture		3			CUSD-ONLN	G Sonnier	02/12 - 06/07/24
-------	---------	---------	--	---	--	--	-----------	-----------	------------------

The above course is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de) This section is restricted to the CNUSD High School students participating in Norco College's Dual Enrollment Program.

34391	BUS-18A	Lecture		3			ON-LINE	C Pentis	04/15 - 06/07/24
-------	---------	---------	--	---	--	--	---------	----------	------------------

The above is a short term online class. Please note the start and end dates. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

**BUS-18B** Business Law II  
 Prerequisite: None. Description: An overview of the special applications of law in business as it pertains to commercial paper, creditors' rights, secured transactions, agency and employment, partnerships, corporations, personal and real property, and governmental regulation of business. Students will analyze laws and rules, then apply appropriate concepts to factual scenarios. 54 hours lecture. Letter grade only)

32160	BUS-18B	Lecture		3	T	06:00PM-09:10PM	HUM-102	J Alpay	04/15 - 06/07/24
							ON-LINE		04/15 - 06/07/24

The above section is a short term hybrid class. Please note the start and end dates. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de).

32161	BUS-18B	Lecture		3			ON-LINE	J Alpay	04/15 - 06/07/24
-------	---------	---------	--	---	--	--	---------	---------	------------------

The above section is a short-term online class. Please note the start and end dates. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

SECT#	Course#	Instruction	ZTC/LTC	Units	Days	Time	Bldg-Room	Instructor	Dates
BUS-20		Business Mathematics							
Prerequisite: None Description: An introduction to quantitative approaches for solving common business problems using general mathematics and first degree equations. Includes the development and solution of problems in the areas of business statistics, trade and cash discounts, markups and markdowns, perishables, payroll, taxes, simple interest, promissory notes, compound interest, present and future value, annuities and sinking funds, installment buying and credit cards, home ownership costs, insurance, stocks and bonds, mutual funds, financial reports, depreciation, inventory, and overhead. 54 hours lecture. (Letter grade only)									
32162	BUS-20	Lecture		3			ON-LINE	E Doucette	02/12 - 04/05/24
The above section is a short term online class. Please note the start and end dates. Computer with Internet access required. See www.rccd.edu/de.									
32163	BUS-20	Lecture		3			ON-LINE	E Doucette	04/15 - 06/07/24
The above section is a short term online class. Please note the start and end dates. Computer with Internet access required. See www.rccd.edu/de.									
33173	BUS-20	Lecture		3	TTh	11:15AM-12:30PM	ATEC-118	E Doucette	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
BUS-22		Management Communications							
Prerequisite: None. Description: Examines the dynamics of organizational communication relevant in current business environment. Focus is on composition and delivery of appropriate methods of communication in various business situations as a manager, including business documents, presentations, and job interviews. Practical experience is attained in verbal/non-verbal and written communication skills that fosters growth and advancement in business opportunities. Best suited for those aspiring to advance their careers by being prepared to be potential managers and leaders. 54 hours lecture. (Letter grade only)									
32164	BUS-22	Lecture		3			ON-LINE	E Doucette	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
33227	BUS-22	Lecture		3			CUSD-ONLN	E Doucette	02/12 - 06/07/24
The above course is an online class. Computer with Internet access required. See www.rccd.edu/de This section is restricted to the CNUSD High School students participating in Norco College's Dual Enrollment Program.									
BUS-24		Business Communication							
Prerequisite: ENG-1A or ENG-1AH Description: Applies the principles of ethical and effective communication to the creation of letters, memos, emails, and written and oral reports for a variety of business situations. The course emphasizes planning, organizing, composing and revising business documents using word processing software for written documents and presentation graphics software to create and deliver professional-level oral reports. Course is designed for students who have college-level writing skills. 54 hours lecture.									
32165	BUS-24	Lecture		3	T	06:00PM-09:10PM	STEM-115	E Doucette	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
BUS-30		Entrepreneurship Foundations and Fundamentals							
Prerequisite: None Description: An introductory course designed to explore, identify and evaluate business opportunities with an emphasis on starting and managing a small or existing business: investigating tools and best practices associated with identifying and creating new venture opportunities; explore ways to shape and evaluate the viability of opportunities; understanding key industry factors, market, competitive factors, and customer needs. 54 hour lecture.									
32166	BUS-30	Lecture		3			ON-LINE	A Martin	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de.									
BUS-47		Applied Business and Management Ethics							
Prerequisite: None Description: An examination of ethical concerns in business decision making. Includes corporate, personal, global, governmental, public, environmental, product, and job-related issues. Case studies and corporate ethics programs and audits also covered. 54 hours lecture. (Letter Grade, or Pass/No Pass option)									
32167	BUS-47	Lecture		3			ON-LINE	A Smith	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de.									
BUS-80		Principles of Logistics							
Prerequisite: None Description: An introduction to the management of business logistics functions including purchasing, inventory management, transportation, warehousing and their related technologies. Focus is on integration of logistics functions to improve overall supply chain customer service and cost performance. 54 hours lecture. (pass/no pass, letter grade)									
32168	BUS-80	Lecture		3			ON-LINE	D Dokter	02/12 - 04/05/24
The above section is a short term online class. Please note the start and end dates. Computer with Internet access required. See www.rccd.edu/de.									
BUS-85		Warehouse Management							
Prerequisite: None Description: Introduction to an integrated logistics approach to warehouse management. Includes the role of warehousing within the supply chain, performance metrics, applicable leadership basics, how to interact with other logistics managers to optimize overall activity, as well as principles of warehouse location, design, layout, operating functions, and customer service. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)									
32169	BUS-85	Lecture		3			ON-LINE	C Pentis	02/12 - 04/05/24
The above section is a short term online class. Please note the start and end dates. Computer with Internet access required. See www.rccd.edu/de.									
BUS-86		Transportation and Traffic Management							
Prerequisite: None Description: A study of the freight transportation system including the demand for freight movement, laws, regulations, pricing, and policies, traffic management and international transportation issues. Focuses on how transportation collaborates with other supply chain functions to optimize cost and customer service. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)									
32170	BUS-86	Lecture		3			ON-LINE	C Pentis	04/15 - 06/07/24
The above section is a short term online class. Please note the start and end dates. Computer with Internet access required. See www.rccd.edu/de.									
BUS-87		Purchasing and Supply Management							
Prerequisite: None Description: Study of the purchasing and supply manager's responsibilities including the identification, acquisition, positioning and management of materials, services and equipment that organizations needs to attain their goals. Emphasis is on decision making, integration with suppliers, critical internal relationships, and customer (end user) service. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)									
32171	BUS-87	Lecture		3			ON-LINE	D Dokter	04/15 - 06/07/24
The above section is a short term online class. Please note the start and end dates. Computer with Internet access required. See www.rccd.edu/de.									
<b>CARPENTRY</b>									
CRP-404C		Print Reading - Symbols							
Prerequisite: None Limitation on Enrollment (e.g. Performance tryout or audition): Student must be a registered State indentured apprentice. Description: Basic visualization skills needed for reading and interpreting construction prints. Views, elevations, and the role of specifications as they relate to insulation details on prints will be discussed. An awareness of sustainable and green building practices will be covered during the course. 36 hours lecture and 20 hours laboratory. (Letter Grade, or Pass/No Pass option.)									
34335	CRP-404C	Lecture		2	MTWTh	06:00AM-02:50PM	RSWC-CLAS	A Martinez	03/11 - 03/14/24
		Lab			MTWTh	03:00PM-07:50PM	RSWC-CLAS		03/11 - 03/14/24
The above course is part of an apprenticeship program. Interested students may apply to the Southwest Carpenters Training Fund.									

SECT#	Course#	Instruction	ZTC/LTC	Units	Days	Time	Bldg-Room	Instructor	Dates
34340	CRP-404C	Lecture Lab		2	MTWTh MTWTh	06:00AM-02:50PM 03:00PM-07:50PM	RSWC-CLAS RSWC-CLAS	J Huggins	03/25 - 03/28/24 03/25 - 03/28/24
The above course is part of an apprenticeship program. Interested students may apply to the Southwest Carpenters Training Fund.									
CRP-421A Orientation-Hand Tools Safety Prerequisite: None Limitation on Enrollment (e.g. Performance tryout or audition): Student must be a registered State indentured apprentice. Description: Overview of the construction industry, safety overview, with a focus on tool identification and use. Upon successful completion, students will receive OSHA 10 Hour and Powder Actuated Tool Certifications. 36 hours lecture and 10 hours laboratory. (Letter Grade, or Pass/No Pass option.)									
34409	CRP-421A	Lecture Lab		2	MTWTh MTWTh	06:00AM-02:50PM 03:00PM-05:15PM	RSWC-CLAS RSWC-CLAS	F Padilla	05/06 - 05/09/24 05/06 - 05/09/24
The above course is part of an apprenticeship program. Interested students may apply to the Southwest Carpenters Training Fund.									
34417	CRP-421A	Lecture Lab		2	MTWTh MTWTh	06:00AM-02:50PM 03:00PM-05:15PM	RSWC-CLAS RSWC-CLAS	F Padilla	05/20 - 05/30/24 05/20 - 05/30/24
The above course is part of an apprenticeship program. Interested students may apply to the Southwest Carpenters Training Fund.									
CRP-421B Safety and Health Certifications - Hand and Power Tools Applications Prerequisite: None Limitation on Enrollment (e.g. Performance tryout or audition): Student must be a registered State indentured apprentice. Description: Hand/power tool and equipment skill development for various construction applications. Scaffold building and equipment operating procedures will also be covered. Financial and life skills relevant to surviving the construction industry will be presented. Upon successful completion, students will be issued United Brotherhood of Carpenters (UBC) Scaffold Erector-Welded Frame Qualification. 36 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)									
34400	CRP-421B	Lecture Lab		2	MTWTh MTWTh	06:00AM-02:50PM 03:00PM-07:15PM	RSWC-CLAS RSWC-CLAS	A Martinez	04/08 - 04/11/24 04/08 - 04/11/24
The above course is part of an apprenticeship program. Interested students may apply to the Southwest Carpenters Training Fund.									
34405	CRP-421B	Lecture Lab		2	MTWTh MTWTh	06:00AM-02:50PM 03:00PM-07:15PM	RSWC-CLAS RSWC-CLAS	A Martinez	04/22 - 04/25/24 04/22 - 04/25/24
The above course is part of an apprenticeship program. Interested students may apply to the Southwest Carpenters Training Fund.									
CRP-421C Basic Wall Framing Prerequisite: None Limitation on Enrollment (e.g. Performance tryout or audition): Student must be a registered State indentured apprentice. Description: Wall construction theory, methods, and procedures required to frame basic residential walls. Practical experience using proper tool techniques and appropriate materials will provide students with fundamental skill development. An introduction to print reading will prepare students to locate measurements for determining wall lengths and size of openings. Students will perform basic wall layout tasks, use plating procedures, and assemble and brace framing before aligning and completing the selected wall construction project to industry standards. 27 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)									
32281	CRP-421C	Lecture Lab		1.5	MTWTh MTWTh	06:00AM-12:30PM 12:40PM-04:55PM	RSWC-CLAS RSWC-CLAS	J Huggins	02/12 - 02/15/24 02/12 - 02/15/24
The above course is part of an apprenticeship program. Interested students may apply to the Southwest Carpenters Training Fund.									
34332	CRP-421C	Lecture Lab		1.5	MTWTh MTWTh	06:00AM-12:30PM 12:40PM-04:55PM	RSWC-CLAS RSWC-CLAS	A Martinez	02/26 - 02/29/24 02/26 - 02/29/24
The above course is part of an apprenticeship program. Interested students may apply to the Southwest Carpenters Training Fund.									
34418	CRP-421C	Lecture Lab		1.5	MTWTh MTWTh	06:00AM-12:30PM 12:40PM-04:55PM	RSWC-CLAS RSWC-CLAS	A Martinez	05/28 - 05/31/24 05/28 - 05/31/24
The above course is part of an apprenticeship program. Interested students may apply to the Southwest Carpenters Training Fund.									
34432	CRP-421C	Lecture Lab		1.5	MTWTh MTWTh	06:00AM-12:30PM 12:40PM-04:55PM	RSWC-CLAS RSWC-CLAS	A Martinez	06/10 - 06/13/24 06/10 - 06/13/24
The above course is part of an apprenticeship program. Interested students may apply to the Southwest Carpenters Training Fund.									
CRP-421E Tool/Equipment Applications - Emergency Response Procedures Prerequisite: None Limitation on Enrollment (e.g. Performance tryout or audition): Student must be a registered State indentured apprentice. Description: Hand/power tool and equipment skill development for various construction applications. Scaffold building and aerial lift safety and operating procedures will also be covered. Upon successful completion, students will be issued United Brotherhood of Carpenters (UBC) Aerial Lift and Scaffold Erector-Welded Frame Qualification Cards. 27 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)									
34336	CRP-421E	Lecture Lab		1.5	MTWTh MTWTh	06:00AM-12:30PM 12:40PM-04:55PM	RSWC-CLAS RSWC-CLAS	J Huggins	03/11 - 03/14/24 03/11 - 03/14/24
The above course is part of an apprenticeship program. Interested students may apply to the Southwest Carpenters Training Fund.									
34339	CRP-421E	Lecture Lab		1.5	MTWTh MTWTh	06:00AM-12:30PM 12:40PM-04:55PM	RSWC-CLAS RSWC-CLAS	A Martinez	03/25 - 03/28/24 03/25 - 03/28/24
The above course is part of an apprenticeship program. Interested students may apply to the Southwest Carpenters Training Fund.									
CRP-422A Commercial Floor Framing Prerequisite: None Limitation on Enrollment (e.g. Performance tryout or audition): Student must be a registered State indentured apprentice. Description: Floor joist construction and the various installation techniques used in the commercial industry. Students will interpret floor plans for job planning, identify floor joist system, and calculate material take offs. Integration of wall plating, joist layout, and floor sheathing methods will be included. Instruction will incorporate measuring skills, use of math operations, specialty hardware applications, and identification of appropriate building codes. 27 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)									
34407	CRP-422A	Lecture Lab		1.5	MTWTh MTWTh	06:00AM-12:30PM 12:40PM-04:55PM	RSWC-CLAS RSWC-CLAS	A Martinez	04/29 - 05/02/24 04/29 - 05/02/24
The above course is part of an apprenticeship program. Interested students may apply to the Southwest Carpenters Training Fund.									
34413	CRP-422A	Lecture Lab		1.5	MTWTh MTWTh	06:00AM-12:30PM 12:40PM-04:55PM	RSWC-CLAS RSWC-CLAS	A Martinez	05/13 - 05/16/24 05/13 - 05/16/24
The above course is part of an apprenticeship program. Interested students may apply to the Southwest Carpenters Training Fund.									
CRP-422B Basic Stairs Prerequisite: None Limitation on Enrollment (e.g. Performance tryout or audition): Student must be a registered State indentured apprentice. Description: Introduction to stair framing theory, terminology, and construction techniques. Students will interpret floor plans and drawing elevations for job planning, and to layout and detail stair stringers. Methods for calculating the number of stairs, landing height, stair threads, and riser dimensions will be presented and practiced. Instruction will include measuring skills, mathematical principles, stair and handrail fabrication, assembly and installation. 27 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)									
34412	CRP-422B	Lecture Lab		1.5	MTWTh MTWTh	06:00AM-12:30PM 12:40PM-04:55PM	RSWC-CLAS RSWC-CLAS	A Martinez	05/13 - 05/16/24 05/13 - 05/16/24
The above course is part of an apprenticeship program. Interested students may apply to the Southwest Carpenters Training Fund.									



SECT#	Course#	Instruction	ZTC/LTC	Units	Days	Time	Bldg-Room	Instructor	Dates
CRP-423B		Basic Roof Framing							
Prerequisite: None Limitation on Enrollment (e.g. Performance tryout or audition): Student must be a registered State indentured apprentice. Description: Introduction to basic gable roof framing, terminology, characteristics, and construction methods. Students will interpret print views and drawing elevations for job planning, and to determine rafter systems and layout details. Basic rise, run, rafter angles and length calculations will be practiced. Framed wall construction will be incorporated to facilitate the gable roof assembly techniques and installation procedures that are the focus of this training. 27 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)									
34394	CRP-423B	Lecture		1.5	MTWTh	06:00AM-12:30PM	RSWC-CLAS	A Martinez	04/01 - 04/04/24
		Lab			MTWTh	12:40PM-04:55PM	RSWC-CLAS		04/01 - 04/04/24
The above course is part of an apprenticeship program. Interested students may apply to the Southwest Carpenters Training Fund.									
34404	CRP-423B	Lecture		1.5	MTWTh	06:00AM-12:30PM	RSWC-CLAS	J Huggins	04/22 - 04/25/24
		Lab			MTWTh	12:40PM-04:55PM	RSWC-CLAS		04/22 - 04/25/24
The above course is part of an apprenticeship program. Interested students may apply to the Southwest Carpenters Training Fund.									
CRP-424D		Transit Level/Laser							
Prerequisite: None Limitation on Enrollment (e.g. Performance tryout or audition): Student must be a registered State indentured apprentice. Description: Terminology, optical principles, and operating procedures for the transit and laser levels. 36 hours lecture and 10 hours laboratory. (Letter Grade, or Pass/No Pass option.)									
32282	CRP-424D	Lecture		2	MTWTh	06:00AM-02:50PM	RSWC-CLAS	A Martinez	02/19 - 02/22/24
		Lab			MTWTh	03:00PM-05:15PM	RSWC-CLAS		02/19 - 02/22/24
The above course is part of an apprenticeship program. Interested students may apply to the Southwest Carpenters Training Fund.									
32283	CRP-424D	Lecture		2	MTWTh	06:00AM-02:50PM	RSWC-CLAS	A Martinez	02/26 - 02/29/24
		Lab			MTWTh	03:00PM-05:15PM	RSWC-CLAS		02/26 - 02/29/24
The above course is part of an apprenticeship program. Interested students may apply to the Southwest Carpenters Training Fund.									
34430	CRP-424D	Lecture		2	MTWTh	06:00AM-02:50PM	RSWC-CLAS	A Martinez	06/10 - 06/13/24
		Lab			MTWTh	03:00PM-05:15PM	RSWC-CLAS		06/10 - 06/13/24
The above course is part of an apprenticeship program. Interested students may apply to the Southwest Carpenters Training Fund.									
CRP-425A		Foundations and Flatwork							
Prerequisite: None Limitation on Enrollment (e.g. Performance tryout or audition): Student must be a registered State indentured apprentice. Description: Design and function of several types of foundations and concrete flatwork. The methods, techniques, and procedures for formwork layout, elevation, and construction will be presented and applied by students during practical assignments. Jobsite safety, print interpretation, material identification, and basic use of the builders' level will be included in the training. Students will construct three selected formwork projects. 27 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)									
34334	CRP-425A	Lecture		1.5	MTWTh	06:00AM-12:30PM	RSWC-CLAS	A Martinez	03/04 - 03/07/24
		Lab			MTWTh	12:40PM-04:55PM	RSWC-CLAS		03/04 - 03/07/24
The above course is part of an apprenticeship program. Interested students may apply to the Southwest Carpenters Training Fund.									
34337	CRP-425A	Lecture		1.5	MTWTh	06:00AM-12:30PM	RSWC-CLAS	J Huggins	03/18 - 03/21/24
		Lab			MTWTh	12:40PM-04:55PM	RSWC-CLAS		03/18 - 03/21/24
The above course is part of an apprenticeship program. Interested students may apply to the Southwest Carpenters Training Fund.									
CRP-426B		Wall Forming							
Prerequisite: None Limitation on Enrollment (e.g. Performance tryout or audition): Student must be a registered State indentured apprentice. Description: Skills and procedures for forming reinforced concrete walls using single and double waler systems. Students will identify the characteristics and application of built-in-place, pre-fabricated, and specialty forms. Practical exercises will prepare students for locating wall forming information on project plans, calculating layout dimensions, and for estimating material requirements. Basic wall panel forming and reinforcement methods, material preparation, and hardware installation are included in training. 27 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)									
32284	CRP-426B	Lecture		1.5	MTWTh	06:00AM-12:30PM	RSWC-CLAS	A Martinez	02/12 - 02/15/24
		Lab			MTWTh	12:40PM-04:55PM	RSWC-CLAS		02/12 - 02/15/24
The above course is part of an apprenticeship program. Interested students may apply to the Southwest Carpenters Training Fund.									
34330	CRP-426B	Lecture		1.5	MTWTh	06:00AM-12:30PM	RSWC-CLAS	J Huggins	02/19 - 02/22/24
		Lab			MTWTh	12:40PM-04:55PM	RSWC-CLAS		02/19 - 02/22/24
The above course is part of an apprenticeship program. Interested students may apply to the Southwest Carpenters Training Fund.									
34419	CRP-426B	Lecture		1.5	MTWTh	06:00AM-12:30PM	RSWC-CLAS	A Martinez	05/28 - 05/31/24
		Lab			MTWTh	12:40PM-04:55PM	RSWC-CLAS		05/28 - 05/31/24
The above course is part of an apprenticeship program. Interested students may apply to the Southwest Carpenters Training Fund.									
34428	CRP-426B	Lecture		1.5	MTWTh	06:00AM-12:30PM	RSWC-CLAS	A Martinez	06/03 - 06/07/24
		Lab			MTWTh	12:40PM-04:55PM	RSWC-CLAS		06/03 - 06/07/24
The above course is part of an apprenticeship program. Interested students may apply to the Southwest Carpenters Training Fund.									
CRP-427D		Stairs and Ramp Forming							
Prerequisite: None Limitation on Enrollment (e.g. Performance tryout or audition): Student must be a registered State indentured apprentice. Description: Provides related and supplemental instruction for apprentice carpenters in the areas of the various techniques to form stairs and ramp structures; related safety, mathematics, and blueprint reading. 27 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)									
34410	CRP-427D	Lecture		1.5	MTWTh	06:00AM-12:30PM	RSWC-CLAS	A Martinez	05/06 - 05/09/24
		Lab			MTWTh	12:40PM-04:55PM	RSWC-CLAS		05/06 - 05/09/24
The above course is part of an apprenticeship program. Interested students may apply to the Southwest Carpenters Training Fund.									
34415	CRP-427D	Lecture		1.5	MTWTh	06:00AM-12:30PM	RSWC-CLAS	A Martinez	05/20 - 05/23/24
		Lab			MTWTh	12:40PM-04:55PM	RSWC-CLAS		05/20 - 05/23/24
The above course is part of an apprenticeship program. Interested students may apply to the Southwest Carpenters Training Fund.									
CRP-428A		Bridge Construction							
Prerequisite: None Limitation on Enrollment (e.g. Performance tryout or audition): Student must be a registered State indentured apprentice. Description: Overview of bridge types and the skills required to perform standard bridge construction tasks. Students will be able to describe the purpose and function of exterior and interior girders, edge forms, bulkheads, and hinge forms. Bridge formwork project will include panel construction, assembly, and hardware installation tasks. Related safety, math and print reading will be covered in the training. 27 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)									
34338	CRP-428A	Lecture		1.5	MTWTh	06:00AM-12:30PM	RSWC-CLAS	A Martinez	03/18 - 03/21/24
		Lab			MTWTh	12:40PM-04:55PM	RSWC-CLAS		03/18 - 03/21/24
The above course is part of an apprenticeship program. Interested students may apply to the Southwest Carpenters Training Fund.									
CRP-433D		Molding and Trims							
Prerequisite: None Limitation on Enrollment (e.g. Performance tryout or audition): Student must be a registered State indentured apprentice. Description: How moldings and trims are utilized to finish exterior and interior construction design features. Product styles, characteristics, applications, and installation methods are included in the discussions. The									
RCCD Spring 2024 Class Schedule - generated 10/01/2024 8:55 a.m.									



SECT#	Course#	Instruction	ZTC/LTC	Units	Days	Time	Bldg-Room	Instructor	Dates
tools techniques for cutting, coping and installing various molding and trim types are presented and practiced throughout the training. 27 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)									
34406	CRP-433D	Lecture		1.5	MTWTh	06:00AM-12:30PM	RSWC-CLAS	J Huggins	04/29 - 05/02/24
		Lab			MTWTh	12:40PM-04:55PM	RSWC-CLAS		04/29 - 05/02/24
The above course is part of an apprenticeship program. Interested students may apply to the Southwest Carpenters Training Fund.									
CRP-434D	Doors and Door Hardware								
Prerequisite: None Limitation on Enrollment (e.g. Performance tryout or audition): Student must be a registered State indentured apprentice. Description: Installation process for several types of security and exit door hardware. Discussion of electrical and card reader systems will be included. An emphasis will be placed on print interpretation, codes, door schedules, symbols, and hardware recognition. Students will use the methods and procedures presented to install selected door and hardware systems. 27 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)									
34395	CRP-434D	Lecture		1.5	MTWTh	06:00AM-12:30PM	RSWC-CLAS	J Huggins	04/01 - 04/04/24
		Lab			MTWTh	12:40PM-04:55PM	RSWC-CLAS		04/01 - 04/04/24
The above course is part of an apprenticeship program. Interested students may apply to the Southwest Carpenters Training Fund.									
34401	CRP-434D	Lecture		1.5	MTWTh	06:00AM-12:30PM	RSWC-CLAS	A Martinez	04/15 - 04/18/24
		Lab			MTWTh	12:40PM-04:55PM	RSWC-CLAS		04/15 - 04/18/24
The above course is part of an apprenticeship program. Interested students may apply to the Southwest Carpenters Training Fund.									
CRP-461A	Acoustical Ceilings								
Prerequisite: None Limitation on Enrollment (e.g. Performance tryout or audition): Student must be a registered State indentured apprentice. Description: Introduction to basic acoustical ceiling installation. Acoustical theory, engineering, and applicable building and seismic codes requirements will be covered. Students will install acoustical ceilings to industry standards using the proper techniques and procedures. 27 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)									
34421	CRP-461A	Lecture		1.5	TWThF	06:00AM-12:30PM	RSWC-CLAS	C Espinoza	05/28 - 05/31/24
		Lab			TWThF	12:40PM-04:55PM	RSWC-CLAS		05/28 - 05/31/24
The above course is part of an apprenticeship program. Interested students may apply to the Southwest Carpenters Training Fund.									
CRP-461C	Advanced Acoustical Ceiling Installation								
Prerequisite: None Limitation on Enrollment (e.g. Performance tryout or audition): Student must be a registered State indentured apprentice. Description: Advanced layout methods used to complete complex acoustical system installations. Students will use the tool and framing techniques presented to complete selected multifaceted acoustical ceiling layout projects. 27 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)									
34422	CRP-461C	Lecture		1.5	TWThF	06:00AM-12:30PM	RSWC-CLAS	C Espinoza	05/28 - 05/31/24
		Lab			TWThF	12:40PM-04:55PM	RSWC-CLAS		05/28 - 05/31/24
The above course is part of an apprenticeship program. Interested students may apply to the Southwest Carpenters Training Fund.									
CRP-462	Standard Acoustical Grids								
Prerequisite: None Limitation on Enrollment (e.g. Performance tryout or audition): Student must be a registered State indentured apprentice. Description: Various grid patterns considered as standard for acoustical ceilings in the interior system construction industry. The methods and procedures used to form the patterns are the key focus of the course. Students will install several standard acoustical grid patterns to print specifications using the proper techniques and procedures. 27 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)									
34424	CRP-462	Lecture		1.5	TWThF	06:00AM-12:30PM	RSWC-CLAS	C Espinoza	05/28 - 05/31/24
		Lab			TWThF	12:40PM-04:55PM	RSWC-CLAS		05/28 - 05/31/24
The above course is part of an apprenticeship program. Interested students may apply to the Southwest Carpenters Training Fund.									
CRP-466	Concealed/Glue-Up/Staple-Up Systems								
Prerequisite: None Limitation on Enrollment (e.g. Performance tryout or audition): Student must be a registered State indentured apprentice. Description: Illustrates the design flexibility of concealed, semi-concealed ceilings and soffits using glue-up and staple-up systems. Students will employ the glue-up and staple-up techniques presented to install concealed grid ceiling system. 27 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)									
34423	CRP-466	Lecture		1.5	TWThF	06:00AM-12:30PM	RSWC-CLAS	C Espinoza	05/28 - 05/31/24
		Lab			TWThF	12:40PM-04:55PM	RSWC-CLAS		05/28 - 05/31/24
The above course is part of an apprenticeship program. Interested students may apply to the Southwest Carpenters Training Fund.									
CRP-468	Metal Pan and Security Systems								
Prerequisite: None Limitation on Enrollment (e.g. Performance tryout or audition): Student must be a registered State indentured apprentice. Description: Design, function, and installation of metal pan and security systems incorporated into construction of suspended ceilings. Students will demonstrate the ability to installation these components to direct wire and indirect channel suspension ceiling grid systems. 27 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)									
34425	CRP-468	Lecture		1.5	TWThF	06:00AM-12:30PM	RSWC-CLAS	C Espinoza	05/28 - 05/31/24
		Lab			TWThF	12:40PM-04:55PM	RSWC-CLAS		05/28 - 05/31/24
The above course is part of an apprenticeship program. Interested students may apply to the Southwest Carpenters Training Fund.									
CRP-471A	Orientation-Power Tools Safety								
Prerequisite: None Limitation on Enrollment (e.g. Performance tryout or audition): Student must be a registered State indentured apprentice. Description: Overview of the construction industry, safety overview, with a focus on tool identification and use. Upon successful completion, students will receive OSHA 10 Hour and Powder Actuated Tool Certifications. 36 hours lecture and 10 hours laboratory. (Letter Grade, or Pass/No Pass option.)									
34414	CRP-471A	Lecture		2	MTWTh	06:00AM-02:50PM	RSWC-CLAS	C Espinoza	05/13 - 05/16/24
		Lab			MTWTh	03:00PM-05:15PM	RSWC-CLAS		05/13 - 05/16/24
The above course is part of an apprenticeship program. Interested students may apply to the Southwest Carpenters Training Fund.									
CRP-471B	Safety and Health Certifications - Scaff								
Prerequisite: None Limitation on Enrollment (e.g. Performance tryout or audition): Student must be a registered State indentured apprentice. Description: Hand/power tool and equipment skill development for various construction applications. Scaffold building and equipment operating procedures will also be covered. Financial and life skills will be presented to help them survive in the construction industry. Upon successful completion, students will be issued United Brotherhood of Carpenters (UBC) Scaffold Erector-Welded Frame Qualification Card. 36 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)									
34402	CRP-471B	Lecture		2	MTWTh	06:00AM-02:50PM	RSWC-CLAS	C Espinoza	04/15 - 04/18/24
		Lab			MTWTh	03:00PM-07:15PM	RSWC-CLAS		04/15 - 04/18/24
The above course is part of an apprenticeship program. Interested students may apply to the Southwest Carpenters Training Fund.									
CRP-471C	Tool/Equipment Applications - Fall Protection								
Prerequisite: None Limitation on Enrollment (e.g. Performance tryout or audition): Student must be a registered State indentured apprentice. Description: Safe and appropriate use of fall protection, and emergency response procedures. Tool applications presented in this training will provide opportunities for tool skill mastery and equipment operation. Upon successful completion, students will be issued an American Red Cross First Aid/CPR Certification Card, and United Brotherhood of Carpenters (UBC) Fall Protection Qualification Card. 27 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)									

SECT#	Course#	Instruction	ZTC/LTC	Units	Days	Time	Bldg-Room	Instructor	Dates
34333	CRP-471C	Lecture Lab		1.5	MTWTh MTWTh	06:00AM-12:30PM 12:40PM-04:55PM	RSWC-CLAS RSWC-CLAS	C Espinoza	03/04 - 03/07/24 03/04 - 03/07/24
The above course is part of an apprenticeship program. Interested students may apply to the Southwest Carpenters Training Fund.									
CRP-472A Basic Metal Framing Prerequisite: None Limitation on Enrollment (e.g. Performance tryout or audition): Student must be a registered State indentured apprentice. Description: An overview of the use of metal framing materials in the construction of building interiors. A comparison of metal framing and typical wood framing techniques will be presented. 27 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)									
34329	CRP-472A	Lecture Lab		1.5	MTWTh MTWTh	06:00AM-12:30PM 12:40PM-04:55PM	RSWC-CLAS RSWC-CLAS	C Espinoza	02/12 - 02/15/24 02/12 - 02/15/24
The above course is part of an apprenticeship program. Interested students may apply to the Southwest Carpenters Training Fund.									
34431	CRP-472A	Lecture Lab		1.5	MTWTh MTWTh	06:00AM-12:30PM 12:40PM-04:55PM	RSWC-CLAS RSWC-CLAS	C Espinoza	06/10 - 06/13/24 06/10 - 06/13/24
The above course is part of an apprenticeship program. Interested students may apply to the Southwest Carpenters Training Fund.									
CRP-472B Basic Lathing Prerequisite: None Limitation on Enrollment (e.g. Performance tryout or audition): Student must be a registered State indentured apprentice. Description: Basic framing and lathing methods used in the industry for exterior/interior installations. Focus on exterior waterproofing, lath, and trim installation procedures. Students will use the skills presented to complete an exterior lathing project as part of this course. 27 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)									
34416	CRP-472B	Lecture Lab		1.5	MTWTh MTWTh	06:00AM-12:30PM 12:40PM-04:55PM	RSWC-CLAS RSWC-CLAS	C Espinoza	05/20 - 05/23/24 05/20 - 05/23/24
The above course is part of an apprenticeship program. Interested students may apply to the Southwest Carpenters Training Fund.									
CRP-472C Advanced Lathing Prerequisite: None Limitation on Enrollment (e.g. Performance tryout or audition): Student must be a registered State indentured apprentice. Description: Advanced methods and application techniques for lath and trim products used on exterior-interior metal framing. 27 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)									
34420	CRP-472C	Lecture Lab		1.5	MTWTh MTWTh	06:00AM-12:30PM 12:40PM-04:55PM	RSWC-CLAS RSWC-CLAS	C Espinoza	05/28 - 05/31/24 05/28 - 05/31/24
The above course is part of an apprenticeship program. Interested students may apply to the Southwest Carpenters Training Fund.									
CRP-473A Framing Ceilings and Soffits Prerequisite: None Limitation on Enrollment (e.g. Performance tryout or audition): Student must be a registered State indentured apprentice. Description: Materials used and their application for various types of fire rated walls, ceilings and soffits. Presents methods and procedures used for layout and template development. Drywall and trim applications are discussed. The types of tools used and their associated safety, applied math and print reading fundamentals are reviewed. Students will use the skills presented to complete a ceiling and soffit project as part of this course. 27 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)									
34403	CRP-473A	Lecture Lab		1.5	MTWTh MTWTh	06:00AM-12:30PM 12:40PM-04:55PM	RSWC-CLAS RSWC-CLAS	C Espinoza	04/22 - 04/25/24 04/22 - 04/25/24
The above course is part of an apprenticeship program. Interested students may apply to the Southwest Carpenters Training Fund.									
CRP-473B Framing Suspended Ceilings Prerequisite: None Limitation on Enrollment (e.g. Performance tryout or audition): Student must be a registered State indentured apprentice. Description: Installation of circular ceilings with drops, and drywall suspension in both square and circular grids. Students will complete selected suspended ceiling installations using the techniques presented. 27 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)									
32285	CRP-473B	Lecture Lab		1.5	MTWTh MTWTh	06:00AM-12:30PM 12:40PM-04:55PM	RSWC-CLAS RSWC-CLAS	J Barlow	02/19 - 02/22/24 02/19 - 02/22/24
The above course is part of an apprenticeship program. Interested students may apply to the Southwest Carpenters Training Fund.									
CRP-473C Framing Curves and Arches Prerequisite: None Limitation on Enrollment (e.g. Performance tryout or audition): Student must be a registered State indentured apprentice. Description: Framing methods for curves and arches and their related structural limitations. Identifies the various wall and ceiling types and the layout principles, and materials used for each. Lath applications and trim are also discussed. Students will use the skills presented to complete a framing project that includes curves and arches. 27 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)									
34341	CRP-473C	Lecture Lab		1.5	MTWTh MTWTh	06:00AM-12:30PM 12:40PM-04:55PM	RSWC-CLAS RSWC-CLAS	C Espinoza	03/25 - 03/28/24 03/25 - 03/28/24
The above course is part of an apprenticeship program. Interested students may apply to the Southwest Carpenters Training Fund.									
CRP-474A Print Reading - Specifications Prerequisite: None Limitation on Enrollment (e.g. Performance tryout or audition): Student must be a registered State indentured apprentice. Description: Basic visualization skills for reading and interpreting construction prints. Views, elevations, and the role of specifications as they relate to insulation details on prints will be discussed. An awareness of sustainable and green building practices will be covered during the course. 36 hours lecture and 10 hours laboratory. (Letter Grade, or Pass/No Pass option.)									
34331	CRP-474A	Lecture Lab		2	MTWTh MTWTh	06:00AM-02:30PM 02:40PM-05:15PM	RSWC-CLAS RSWC-CLAS	C Espinoza	02/19 - 02/22/24 02/19 - 02/22/24
The above course is part of an apprenticeship program. Interested students may apply to the Southwest Carpenters Training Fund.									
CRP-474B Advanced Print Reading- Digital Application Prerequisite: None Limitation on Enrollment (e.g. Performance tryout or audition): Student must be a registered State indentured apprentice. Description: Analyze multi-view drawings to determine acoustical ceiling construction types, locate benchmark and building/wall elements; review codes, references, and perform calculations for construction/ceiling grid planning. 36 hours lecture and 10 hours laboratory. (Letter Grade, or Pass/No Pass option.)									
34427	CRP-474B	Lecture Lab		2	MTWTh MTWTh	06:00AM-02:50PM 03:00PM-05:15PM	RSWC-CLAS RSWC-CLAS	C Espinoza	06/03 - 06/07/24 06/03 - 06/07/24
The above course is part of an apprenticeship program. Interested students may apply to the Southwest Carpenters Training Fund.									
CRP-479A Drywall and Acoustical Ceilings Prerequisite: None Limitation on Enrollment (e.g. Performance tryout or audition): Student must be a registered State indentured apprentice. Description: Materials and methods used for acoustical ceilings combined with drywall installation. Seismic codes, materials, and requirements are also reviewed. Green building rating systems will be applied to selected acoustical and drywall materials. Installation for various grid systems will be discussed. Students will use the skills learned to complete a drywall-acoustical ceiling project. 27 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)									
34399	CRP-479A	Lecture Lab		1.5	MTWTh MTWTh	06:00AM-12:30PM 12:40PM-04:55PM	RSWC-CLAS RSWC-CLAS	C Espinoza	04/08 - 04/11/24 04/08 - 04/11/24
The above course is part of an apprenticeship program. Interested students may apply to the Southwest Carpenters Training Fund.									

SECT#	Course#	Instruction	ZTC/LTC	Units	Days	Time	Bldg-Room	Instructor	Dates
CRP-483		Door and Door Frames (layout and Frame)							
Prerequisite: None Limitation on Enrollment (e.g. Performance tryout or audition): Student must be a registered State indentured apprentice. Description: An introduction to the doors and door frames used in the interior systems industry. Incorporates applicable regulations governing door openings and door selection. Hardware, controlling and locking devices, and door layout and installation techniques will be included. Basic math and print reading will be covered, as will tool-related safety concerns. Students will use the skills presented to complete a selected door and door frame installation project as part of this course. 27 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)									
34396	CRP-483	Lecture		1.5	MTWTh	06:00AM-12:30PM	RSWC-CLAS	C Espinoza	04/01 - 04/04/24
		Lab			MTWTh	12:40PM-04:55PM	RSWC-CLAS		04/01 - 04/04/24

The above course is part of an apprenticeship program. Interested students may apply to the Southwest Carpenters Training Fund.

CRP-486A		Exterior Insulation Finish Systems (EIFS)							
Prerequisite: None Limitation on Enrollment (e.g. Performance tryout or audition): Student must be a registered State indentured apprentice. Description: An introduction to exterior insulation finish systems including terminology, definitions, specifications, and properties. It will deal with reinforcing mesh installation and the application of insulation board. Application methods and techniques for primers and finishes will be presented. Students will use the skills presented to complete an EIFS installation project as part of this course. 27 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)									
34408	CRP-486A	Lecture		1.5	MTWTh	06:00AM-12:30PM	RSWC-CLAS	C Espinoza	04/29 - 05/02/24
		Lab			MTWTh	12:40PM-04:55PM	RSWC-CLAS		04/29 - 05/02/24

The above course is part of an apprenticeship program. Interested students may apply to the Southwest Carpenters Training Fund.

CRP-489		Freeform Lathing							
Prerequisite: None Limitation on Enrollment (e.g. Performance tryout or audition): Student must be a registered State indentured apprentice. Description: A comprehensive study of the theory and techniques used for the development of freeform lathing projects. Enables students to interpret gridline drawings; layout and build lath cage work and apply the appropriate lath(s) to achieve the desired or designed form or structure. 27 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)									
34411	CRP-489	Lecture		1.5	MTWTh	06:00AM-12:30PM	RSWC-CLAS	C Espinoza	05/06 - 05/09/24
		Lab			MTWTh	12:40PM-04:55PM	RSWC-CLAS		05/06 - 05/09/24

The above course is part of an apprenticeship program. Interested students may apply to the Southwest Carpenters Training Fund

## CHEMISTRY

CHE-1A		General Chemistry, I							
Prerequisite: CHE-2A or CHE-3 and Intermediate Algebra or Qualifying Placement. Description: An exploration of simple chemical systems, their properties, and how they can be investigated and understood in terms of stoichiometry, gas laws, elementary thermodynamics, atomic structure, and bonding. Laboratory techniques in the investigation of chemical systems. Students may not receive credit for both CHE-1A and CHE-1AH. 54 hours lecture and 108 hours laboratory. (Letter Grade, or Pass/No Pass option.)									
32176	CHE-1A	Lecture		5	MW	12:45PM-02:10PM	IT-110	S Sati	02/12 - 06/07/24
		Lab			MW	02:40PM-05:50PM	HUM-208		02/12 - 06/07/24

Canvas and other online applications may be required to complete coursework.

32177	CHE-1A	Lecture		5	TTh	04:10PM-05:35PM	IT-110	J McDaniel	02/12 - 06/07/24
		Lab			TTh	06:30PM-09:40PM	HUM-208		02/12 - 06/07/24

Canvas and other online applications may be required to complete coursework.

32178	CHE-1A	Lecture		5	MW	09:15AM-10:40AM	IT-110	H Gill	02/12 - 06/07/24
		Lab			MW	11:10AM-02:20PM	HUM-208		02/12 - 06/07/24

Canvas and other online applications may be required to complete coursework.

32179	CHE-1A	Lecture		5	MW	11:10AM-12:35PM	IT-110	L Zelaya	02/12 - 06/07/24
		Lab			MW	07:30AM-10:40AM	HUM-208		02/12 - 06/07/24

Canvas and other online applications may be required to complete coursework.

CHE-1B		General Chemistry, II							
Prerequisite: CHE-1A or CHE-1AH Description: Continued exploration of the principles of chemistry with emphasis on kinetics, thermodynamics, acid-base theory, equilibrium and electrochemistry. Special topics from descriptive inorganic chemistry, nuclear chemistry and introductory organic chemistry. Laboratory techniques in the investigation of chemical systems. Students may not receive credit for both CHE-1B and CHE-1BH. 54 hours lecture and 108 hours laboratory. (Letter Grade, or Pass/No Pass option.)									
32180	CHE-1B	Lecture		5	TTh	08:00AM-09:25AM	ST-203	Z Zhu	02/12 - 06/07/24
		Lab			TTh	11:00AM-02:10PM	HUM-208		02/12 - 06/07/24

Canvas and other online applications may be required to complete coursework.

32181	CHE-1B	Lecture		5	MW	04:10PM-05:35PM	IT-101	W Cui	02/12 - 06/07/24
		Lab			MW	06:30PM-09:40PM	HUM-208		02/12 - 06/07/24

Canvas and other online applications may be required to complete coursework.

33061	CHE-1B	Lecture		5	TTh	11:15AM-12:40PM	IT-110	B Ghosh	02/12 - 06/07/24
		Lab			TTh	07:30AM-10:40AM	HUM-208		02/12 - 06/07/24

Canvas and other online applications may be required to complete coursework.

CHE-2A		Introductory Chemistry, I							
Prerequisite: MAT-52 Description: Introduction to the nature of chemicals, their properties, chemical bonding, reactions, and mixtures. Applications to health and environmental topics. Fulfills the needs of non-science majors. 54 hours lecture and 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)									
32182	CHE-2A	Lecture		4	TTh	08:00AM-09:25AM	IT-117	W Cui	02/12 - 06/07/24
		Lab			T	09:40AM-12:50PM	HUM-204		02/12 - 06/07/24

Canvas and other online applications may be required to complete coursework.

32183	CHE-2A	Lecture		4	TTh	08:00AM-09:25AM	IT-117	W Cui	02/12 - 06/07/24
		Lab			Th	09:40AM-12:50PM	HUM-204		02/12 - 06/07/24

Canvas and other online applications may be required to complete coursework.

32184	CHE-2A	Lecture		4	MW	07:35AM-09:00AM	ATEC-114	C Lugo	02/12 - 06/07/24
		Lab			M	09:30AM-12:40PM	HUM-204		02/12 - 06/07/24

Canvas and other online applications may be required to complete coursework.

32185	CHE-2A	Lecture		4	MW	07:35AM-09:00AM	ATEC-114	C Lugo	02/12 - 06/07/24
		Lab			W	09:30AM-12:40PM	HUM-204		02/12 - 06/07/24

Canvas and other online applications may be required to complete coursework.

SECT#	Course#	Instruction	ZTC/LTC	Units	Days	Time	Bldg-Room	Instructor	Dates
32186	CHE-2A	Lecture Lab		4	TTh T	11:15AM-12:40PM 02:00PM-05:10PM	WEQ-W7 HUM-204	J Tyler	02/12 - 06/07/24 02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
32187	CHE-2A	Lecture Lab		4	TTh Th	11:15AM-12:40PM 02:00PM-05:10PM	WEQ-W7 HUM-204	J Tyler V Lee	02/12 - 06/07/24 02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
32188	CHE-2A	Lecture Lab		4	T W	06:00PM-09:10PM 06:00PM-09:10PM	IT-117 HUM-204	P Kimbrough	02/12 - 06/07/24 02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
32189	CHE-2A	Lecture Lab		4	T Th	06:00PM-09:10PM 06:00PM-09:10PM	IT-117 HUM-204	P Kimbrough	02/12 - 06/07/24 02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
32190	CHE-2A	Lecture Lab		4	W M	06:00PM-09:10PM 06:00PM-09:10PM	IT-117 HUM-204	J Alphonse	02/12 - 06/07/24 02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
32191	CHE-2A	Lecture Lab		4	W T	06:00PM-09:10PM 06:00PM-09:10PM	IT-117 HUM-204	J Alphonse	02/12 - 06/07/24 02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
32192	CHE-2A	Lecture Lab		4	MW M	11:10AM-12:35PM 02:00PM-05:10PM	IT-101 HUM-204	B Ghosh	02/12 - 06/07/24 02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
32193	CHE-2A	Lecture Lab		4	MW W	11:10AM-12:35PM 02:00PM-05:10PM	IT-101 HUM-204	B Ghosh V Lee	02/12 - 06/07/24 02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									

CHE-12A		Organic Chemistry I Prerequisite: CHE-1B or CHE-1BH Description: A discussion of aliphatic hydrocarbons that focuses on their structure, reactivity, methods of synthesis, physical properties, and reaction mechanisms. Laboratory work emphasizes techniques used to identify, separate, and purify substances. 54 hours lecture and 108 hours laboratory. (Letter Grade, or Pass/No Pass option.)							
32174	CHE-12A	Lecture Lab		5	MW F	09:15AM-10:40AM 09:45AM-04:15PM	IT-117 HUM-208	V Lee	02/12 - 06/07/24 02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									

CHE-12B		Organic Chemistry, II Prerequisite: CHE-12A Description: Continues discussion based on the content of CHE-12A. Develops a detailed study of nucleophilic and elimination reactions from a mechanistic viewpoint. Aliphatic and aromatic chemistry will be fully integrated throughout CHE-12B. Considerable emphasis on synthesis. Laboratory includes techniques of syntheses, separation, and identification of several compounds, and an introduction to qualitative organic analysis. 54 hours lecture and 108 hours laboratory. (Letter Grade, or Pass/No Pass option.)							
32175	CHE-12B	Lecture Lab		5	TTh TTh	11:15AM-12:40PM 02:40PM-05:50PM	IT-111 HUM-208	C Lugo	02/12 - 06/07/24 02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									

## CHINESE

CHI-1		Chinese 1 PREREQUISITE: None. Description: Develops basic skills in listening, reading, speaking and writing. Emphasis on acquisition of vocabulary, structures and grammatical patterns necessary for comprehension of native spoken and written Mandarin Chinese at the beginning level. Includes discussion of Chinese culture and daily life. 90 hours lecture and 18 hours laboratory. (TBA option) (Letter Grade, or Pass/No Pass option.)							
32194	CHI-1	Lecture Lab		5			ON-LINE ON-LINE	C Dealba-Yount	02/12 - 06/07/24 02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									

## COMMUNICATION STUDIES

COM-1		Public Speaking Prerequisite: None Advisory: COM-51 and qualification for ENG-1A Description: Prepares students to compose (develop outlines and research) and present a minimum of four speeches, including informative and persuasive presentations in front of a live audience. Emphasis will include: different purposes of speaking, types of speeches and organizational patterns, topic choice and audience adaptation, rhetorical principles, development and support of sound reasoning and argument, theories of persuasion, application of ethics in public speaking, listening skills, and theory and principles of effective delivery. Students will speak formally for a minimum of 20 total semester minutes. Students may not receive credit for COM 1 and COM 1H. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)							
32226	COM-1	Lecture		3			ON-LINE	T Mount	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
32228	COM-1	Lecture		3	MW	09:15AM-10:40AM	STEM-201	T Mount	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
32229	COM-1	Lecture		3			ON-LINE	E Arvilla Bohmer	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
32230	COM-1	Lecture	ZTC	3			ON-LINE	S Nafzgar	02/12 - 04/05/24
The above section is a short term online class. Please note the start and end dates. Computer with Internet access required. See www.rccd.edu/de									
32232	COM-1	Lecture	ZTC	3	TTh	09:40AM-11:05AM	IT-210	S Nafzgar	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
32234	COM-1	Lecture	ZTC	3			ON-LINE	S Nafzgar	04/15 - 06/07/24
The above section is a short term online class. Please note the start and end dates. Computer with Internet access required. See www.rccd.edu/de									

SECT#	Course#	Instruction	ZTC/LTC	Units	Days	Time	Bldg-Room	Instructor	Dates
32235	COM-1	Lecture		3	T	02:30PM-03:55PM	IT-210 ON-LINE	M Lewis	02/12 - 06/07/24 02/12 - 06/07/24
The above section is a hybrid class; students must attend class in-person as scheduled. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
32236	COM-1	Lecture		3			ERHS-ONLN	K Klager	02/12 - 06/07/24
The above section is restricted to Eleanor Roosevelt High School students participating in Norco College's Dual Enrollment Program. The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
32240	COM-1	Lecture		3	MW	02:30PM-03:55PM	IT-210	M Lewis	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
32241	COM-1	Lecture		3	T	06:00PM-07:25PM	IT-210 ON-LINE	J Vierra	02/12 - 06/07/24 02/12 - 06/07/24
The above section is a hybrid class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a> .									
33151	COM-1	Lecture		3			ON-LINE	G Stinson	04/15 - 06/07/24
The above section is a short term online class. Please note the start and end dates. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
33161	COM-1	Lecture		3			ON-LINE	J Vierra	02/12 - 04/05/24
The above section is a short term online class. Please note the start and end dates. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
33217	COM-1	Lecture		3			ON-LINE	S Nafzgar	04/15 - 06/07/24
The above section is a short term online class. Please note the start and end dates. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
33218	COM-1	Lecture		3			ON-LINE	B Rihan	04/15 - 06/07/24
The above section is a short term online class. Please note the start and end dates. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
33219	COM-1	Lecture		3			ON-LINE	T Mount	04/15 - 06/07/24
The above section is a short term online class. Please note the start and end dates. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
33226	COM-1	Lecture		3			CUSD-ONLN	T Mount	02/12 - 06/07/24
The above section is restricted to the CNUHS High School students participating in Norco College's Dual Enrollment Program. The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
34322	COM-1	Lecture		3			ON-LINE	S Nafzgar	04/15 - 06/07/24
The above section is a short term online class. Please note the start and end dates. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
34324	COM-1	Lecture		3			ON-LINE	E Arvilla Bohmer	04/15 - 06/07/24
The above section is a short term online class. Please note the start and end dates. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
34397	COM-1	Lecture		3			ON-LINE	R Smith	04/15 - 06/07/24
The above section is a short term online class. Please note the start and end dates. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
<b>COM-2 Introduction to Persuasion</b>									
Prerequisite: None Description: An examination of historical and contemporary approaches to persuasive messages throughout time. Focus on ethics, logic, reasoning, the presentation of persuasive appeals, and learning to construct, deliver, and critique persuasive messages to various audiences. Includes theoretical perspectives involving persuasion including Aristotelian and Ciceronian Canons of Rhetoric and strategies on construction, delivery, and critical analysis of persuasive messages. 54 course lecture. (Letter grade only)									
32244	COM-2	Lecture		3	M	12:45PM-02:10PM	IT-210 ON-LINE	T Mount	02/12 - 06/07/24 02/12 - 06/07/24
The above section is a hybrid class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a> .									
<b>COM-3 Argumentation and Debate</b>									
Prerequisite: None Description: An examination of argumentation and debate including a systematic approach to the process of debate, theories of argumentation as related to topic analysis, research, case construction, refutation/rebuttals, cross-examination, utilization of sound reasoning, fallacies in reasoning, and the importance of ethical behavior in debate. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)									
32247	COM-3	Lecture		3	MW	11:10AM-12:35PM	STEM-201	T Mount	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
<b>COM-6 Small Group Communication</b>									
Prerequisite: None Description: Principles of communication in a variety of group contexts. Theory, application, and evaluation of group communication processes, including problem solving, conflict management, decision-making, and leadership. Oral group presentations required. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)									
32248	COM-6	Lecture	ZTC	3	Th	11:15AM-12:30PM	IT-210 ON-LINE	S Nafzgar	02/12 - 06/07/24 02/12 - 06/07/24
The above section is a hybrid class; students must attend class in-person as scheduled. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
<b>COM-9 Interpersonal Communication</b>									
Prerequisite: None Description: Analyzes the dynamics of the two-person communication process in relationships. Students study values, communication models, listening, verbal and nonverbal communication, perception, self-concept, self-disclosure, management of emotions, relationship theories and conflict management. Students may not receive credit for both COM-9 and COM-9H. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)									
32250	COM-9	Lecture		3			ON-LINE	R Smith	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
32251	COM-9	Lecture		3			ON-LINE	R Stinson	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
32252	COM-9	Lecture		3			ON-LINE	J Vierra	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
32253	COM-9	Lecture		3			ON-LINE	B Rihan	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
32254	COM-9	Lecture		3	Th	02:30PM-03:55PM	IT-210 ON-LINE	E Arvilla Bohmer	02/12 - 06/07/24 02/12 - 06/07/24
The above section is a hybrid class; students must attend class in-person as scheduled. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
32255	COM-9	Lecture		3	MW	12:45PM-02:10PM	STEM-201	R Smith	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
32256	COM-9	Lecture		3	TTh	08:00AM-09:25AM	IT-210	K Rigby	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									



SECT#	Course#	Instruction	ZTC/LTC	Units	Days	Time	Bldg-Room	Instructor	Dates
32257	COM-9	Lecture		3			ON-LINE	A Olaerts	02/12 - 04/05/24
The above section is a short term online class. Please note the start and end dates. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
32258	COM-9	Lecture		3			ON-LINE	M Lewis	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
32259	COM-9	Lecture		3	W	09:15AM-10:40AM	IT-210 ON-LINE	R Stinson	02/12 - 06/07/24 02/12 - 06/07/24
The above section is a hybrid class; students must attend class in-person as scheduled. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
32260	COM-9	Lecture		3			ON-LINE	A Olaerts	04/15 - 06/07/24
The above section is a short term online class. Please note the start and end dates. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
32261	COM-9	Lecture		3			ON-LINE	A Olaerts	02/12 - 04/05/24
The above section is a short term online class. Please note the start and end dates. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
32262	COM-9	Lecture		3	M	11:10AM-12:35PM	IT-210 ON-LINE	B Rihan	02/12 - 06/07/24 02/12 - 06/07/24
The above section is a hybrid class; students must attend class in-person as scheduled. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
32263	COM-9	Lecture		3	TTh	04:10PM-05:35PM	LIBR-121	N Aceves	02/12 - 06/07/24
The above section is designed with special emphasis on African American culture. See the Umoja counselor (Darnell.Bing@norccollege.edu) prior to enrolling. Canvas and other online applications may be required to complete coursework.									
32264	COM-9	Lecture		3	TTh	04:10PM-05:35PM	LIBR-121	N Aceves	02/12 - 06/07/24
The above section is centered on the Men of Color experience and is intended for students in the Men of Color Scholars Program. See the Men of Color Scholar counselor (daniel.grajeda@rccd.edu) prior to enrolling. Canvas and other online applications may be required to complete coursework.									
32266	COM-9	Lecture		3			SANT-ONLN	K Rigby	02/12 - 06/07/24
The above section is restricted to Santiago High School students participating in Norco College's Dual Enrollment Program. The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
32267	COM-9	Lecture		3			ON-LINE	M Lewis	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
33133	COM-9	Lecture		3			ON-LINE	M Lewis	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
33220	COM-9	Lecture		3			ON-LINE	M Lewis	04/15 - 06/07/24
The above section is a short term online class. Please note the start and end dates. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
34323	COM-9	Lecture		3			ON-LINE	R Stinson	04/15 - 06/07/24
The above section is a short term online class. Please note the start and end dates. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
34325	COM-9	Lecture		3			ON-LINE	M Lewis	04/15 - 06/07/24
<b>COM-9H Honors Interpersonal Communication</b> Prerequisite: None Limitation on enrollment: Enrollment in the Honors Program Description: Enrollment in the Honors Program. Analyzes the dynamics of the two-person communication process in relationships. Students study values, communication models, listening, verbal and nonverbal communication, perception, self-concept, self-disclosure, management of emotions, relationship theories and conflict management. This Honors course offers an enriched experience for accelerated students through limited class size; seminar format; focus on primary texts; and greater application of higher level critical thinking skills. Students may not receive credit for both COM-9 and COM-9H. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)									
32268	COM-9H	Lecture		3	TTh	11:50AM-01:15PM	IT-208	K Klager	02/12 - 06/07/24
<b>COM-13 Gender and Communication</b> Prerequisite: None Advisory: COM-51 and qualification for ENG-1A Description: Examines how communication is used to understand and create gender within the spectrum from masculinity to femininity. Theoretical approaches are discussed to heighten awareness of the importance of communication as a variable in the development of this communication construct. Gender communication issues are examined through the investigation of assigned sex, society, historical and contemporary contexts. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)									
34315	COM-13	Lecture		3			ON-LINE	A Olaerts	04/29 - 06/07/24
The above section is a short term online class. Please note the start and end dates. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
<b>COM-20 Introduction to Communication Theory</b> Prerequisite: None Description: A survey of the discipline of communication studies with emphasis on multiple epistemological, theoretical, and methodological issues relevant to the systematic inquiry and pursuit of knowledge about human communication. This course explores the basic history, assumptions, principles, processes, variables, methods, and specializations of human communication as an academic field of study. 54 hours lecture. (Letter Grade, or Pass/No Pass Option)									
32246	COM-20	Lecture		3			ON-LINE	S Nafzgar	02/12 - 04/05/24
The above section is a short term online class. Please note the start and end dates. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
33235	COM-20	Lecture		3			CUSD-ONLN	S Nafzgar	02/12 - 04/05/24
The above section is restricted to the CNUSD High School students participating in Norco College's Dual Enrollment Program. The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									

## COMPUTER APPLICATIONS/OFFICE

<b>CAT-1A Business Etiquette</b> Prerequisite: None Description: Practical human relations skills with a primary emphasis on soft skills and expected workplace behaviors. Includes the essentials of appropriate and professional business communications and protocols using email, text, phone, portable devices, video and teleconferencing, and social media in the workplace. 18 hours lecture. (Letter Grade, or Pass/No Pass option.)									
32172	CAT-1A	Lecture		1			ON-LINE	C McConnell-Freeman	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
33256	CAT-1A	Lecture		1			CUSD-ONLN	C McConnell-Freeman	02/12 - 06/07/24
The above section is restricted to the High School students participating in Norco College's Dual Enrollment Program. This section is short trem an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
<b>CAT-3 Computer Applications for Business</b> Prerequisite: None Description: Introduces a suite of computer applications used in business and office professions. Individuals who are already established in these professions may also benefit from skills emphasized which include: use of basic operating system functions, file management, word processing, spreadsheets, database management, and presentation graphics. 54 hours lecture and 18 hours laboratory. (TBA option) (Letter Grade, or Pass/No Pass option.) (Same as CIS-3)									

SECT#	Course#	Instruction	ZTC/LTC	Units	Days	Time	Bldg-Room	Instructor	Dates
32173	CAT-3	Lecture		3			ON-LINE	C McConnell-Freeman	02/12 - 06/07/24
		Lab					ON-LINE		02/12 - 06/07/24

The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de) All hours, including the 18-hour laboratory requirement, are completed online.

## COMPUTER INFORMATION SYSTEMS

### CIS-1A Introduction to Computer Informational Systems

Prerequisite: None. Description: An introduction to computer concepts and theory, information systems, and computer applications. The development of computer based solutions to business problems using word processors, spreadsheets, databases, presentation graphics, and the Internet.

32204	CIS-1A	Lecture		3	W	09:15AM-10:40AM	STEM-115	J Coverdale	02/12 - 06/07/24
		Lab					ON-LINE		02/12 - 06/07/24
							ON-LINE		02/12 - 06/07/24

The above section is a hybrid class. Computer with Internet access is required. See [www.rccd.edu/de](http://www.rccd.edu/de). All hours of the 18-hour laboratory requirement, are completed online.

32205	CIS-1A	Lecture		3			ON-LINE	J Coverdale	02/12 - 06/07/24
		Lab					ON-LINE		02/12 - 06/07/24

The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de). All hours, including the 18-hour laboratory requirement, are completed online.

32206	CIS-1A	Lecture		3			ON-LINE	J Coverdale	02/12 - 06/07/24
		Lab					ON-LINE		02/12 - 06/07/24

The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de) All hours, including the 18-hour laboratory requirement, are completed online.

32207	CIS-1A	Lecture		3			ON-LINE	J Coverdale	02/12 - 06/07/24
		Lab					ON-LINE		02/12 - 06/07/24

The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de). All hours, including the 18-hour laboratory requirement, are completed online.

32208	CIS-1A	Lecture		3	M	07:35AM-09:00AM	STEM-115	J Coverdale	02/12 - 06/07/24
		Lab					ON-LINE		02/12 - 06/07/24
							ON-LINE		02/12 - 06/07/24

The above section is a hybrid class. Computer with Internet access is required. See [www.rccd.edu/de](http://www.rccd.edu/de). All hours of the 18-hour laboratory requirement, are completed online.

### CIS-2 Fundamentals of Systems Analysis

Prerequisite: None Description: The course presents a systematic methodology for analyzing a business problem or opportunity, determining what role, if any, computer-based technologies can play in addressing the business need, articulating business requirements for the technology solution, specifying alternative approaches to acquiring the technology capabilities needed to address the business requirements, and specifying the requirements for the information systems solution in particular, in-house development, development from third-party providers, or purchased commercial-off-the-shelf packages. 54 hours lecture and 18 hours laboratory.(TBA option) (Letter Grade, or Pass/No Pass option.)

32211	CIS-2	Lecture		3			ON-LINE	M Mogasemi	02/12 - 06/07/24
		Lab					ON-LINE		02/12 - 06/07/24

The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de). All hours, including the 18-hour laboratory requirement, will be completed online.

### CIS-5 Programming Concepts and Methodology : C++

Prerequisite: None Advisory: CIS-1A Description: Introduction to the discipline of computer science incorporating problem definitions, algorithm development, and structured programming logic for business, scientific and mathematical applications. The C++ language will be used for programming problems. 54 hours lecture and 54 hours laboratory. (Same as CSC-5) (Letter grade)

32215	CIS-5	Lecture		4	W	07:35AM-09:00AM	ON-LINE	J Ruiz	02/12 - 06/07/24
		Lab					STEM-115		02/12 - 06/07/24
		Lab					ON-LINE		02/12 - 06/07/24

The above section is a hybrid class. A computer with Internet access is required. See [www.rccd.edu/de](http://www.rccd.edu/de). All hours of the lecture requirement is completed online, and 27 hours of the Lab are in person, while the other 27 hours are online.

32216	CIS-5	Lecture		4			ON-LINE	M Mogasemi	02/12 - 06/07/24
		Lab					ON-LINE		02/12 - 06/07/24

The above section is an online class. Computer with Internet access is required. See [www.rccd.edu/de](http://www.rccd.edu/de). All hours, including the 54-hour laboratory requirement, are completed online.

32217	CIS-5	Lecture		4			ON-LINE	B Kenney	02/12 - 06/07/24
		Lab					ON-LINE		02/12 - 06/07/24

The above section is an online class. Computer with Internet access is required. See [www.rccd.edu/de](http://www.rccd.edu/de). All hours, including the 54-hour laboratory requirement, are completed online.

32218	CIS-5	Lecture		4	T	02:30PM-03:55PM	STEM-115	D Koch	02/12 - 06/07/24
		Lab					ON-LINE		02/12 - 06/07/24
							ON-LINE		02/12 - 06/07/24

The above section is a hybrid class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de) The designated 54-hour laboratory requirement is completed online.

### CIS-11 Computer Architecture and Organization: Assembly

Prerequisite: None Advisory: CIS/CSC-5 Description: An introduction to microprocessor architecture and assembly language programming. The relationship between hardware and software will be examined in order to understand the interaction between a program and the total system. Mapping of statements and constructs in a high-level language onto sequences of machine instructions is studied as well as the internal representation of simple data types and structures. Numerical computation is performed, noting the various data representation errors and potential procedural errors. 54 hours lecture and 18 hours laboratory.(TBA option)

32195	CIS-11	Lecture		3			ON-LINE	A Rainey	02/12 - 06/07/24
		Lab					ON-LINE		02/12 - 06/07/24

The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de) All hours, including the 18-hour laboratory requirement, are completed online.

### CIS-17A Programming Concepts and Methodology : C++

Prerequisite: CIS/CSC-5 Description: The application of software engineering techniques to the design and development of large programs; data abstraction, structures, and associated algorithms. A comprehensive study of the syntax and semantics of the C++ language and the methodology of Object-Oriented program development. 54 hours lecture and 18 hours laboratory. (TBA option)(Same as CSC-17A) (Letter grade only)

32197	CIS-17A	Lecture		3	M	09:15AM-10:40AM	STEM-115	J Ruiz	02/12 - 06/07/24
		Lab					ON-LINE		02/12 - 06/07/24
							ON-LINE		02/12 - 06/07/24

The above section is a hybrid class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de) All hours of the 18-hour laboratory requirement, are completed online.

32198	CIS-17A	Lecture		3			ON-LINE	J Ruiz	02/12 - 06/07/24
		Lab					ON-LINE		02/12 - 06/07/24

The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de) All hours, including the 18-hour laboratory requirement, are completed online.

SECT#	Course#	Instruction	ZTC/LTC	Units	Days	Time	Bldg-Room	Instructor	Dates
33242	CIS-17A	Lecture Lab		3			CUSD-ONLN CUSD-ONLN	J Ruiz	02/12 - 06/07/24 02/12 - 06/07/24
The above section is restricted to the High School students participating in Norco College's Dual Enrollment Program. This section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
CIS-17B	C++ Programming: Advanced Objects								
Prerequisite: None Advisory: CIS/CSC-17A Description: This is an advanced C++ programming course for students familiar with object-oriented programming that implements basic graphical user interfaces. An emphasis will be placed on advanced concepts associated with complex business and gaming applications that utilize exception handling, multithreading, multimedia, and database connectivity. 54 hours lecture and 18 hours laboratory. (Same as CSC-17B) (TBA option) (Letter Grade, or Pass/No Pass option.)									
33193	CIS-17B	Lecture Lab		3			ON-LINE ON-LINE	J Oconnor	02/12 - 06/07/24 02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
CIS-18A	Java Programming: Objects								
Prerequisite: None Advisory: CIS/CSC-5 Description: An introduction to Java programming for students already experienced in the fundamentals of programming. An emphasis will be placed upon object-oriented programming. Other topics include graphical interface design and typical swing GUI components. 54 hours lecture and 18 hours laboratory. (TBA option) (Letter Grade, or Pass/No Pass option.)									
32201	CIS-18A	Lecture Lab		3	M	11:10AM-12:35PM	STEM-115 ON-LINE ON-LINE	J Ruiz	02/12 - 06/07/24 02/12 - 06/07/24 02/12 - 06/07/24
The above section is a hybrid class. A computer with Internet access is required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a> . All hours of the 18-hour laboratory requirement, are completed online.									
CIS-18B	Java Programming: Advanced Objects								
Prerequisite: None Advisory: CIS/CSC-18A Description: This is an advanced Java programming course for students familiar with object-oriented programming and utilization of basic graphical interface techniques. An emphasis will be placed on advanced concepts associated with Business, E-Commerce and Gaming applications that utilize exception handling, multithreading, multimedia, and database connectivity. 54 hours lecture and 18 hours laboratory. (TBA option) (Letter Grade, or Pass/No Pass option.)									
32202	CIS-18B	Lecture Lab		3			ON-LINE ON-LINE	J Oconnor	02/12 - 06/07/24 02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a> All hours, including the 18-hour laboratory requirement, are completed online.									
CIS-21	Introduction to Operating Systems								
Prerequisite: CIS-1A Description: An introduction to operating system concepts, structure, functions, performance, and management is covered. A current operating system, such as Windows, Linux, or UNIX is used as a case study. File multi-processing, system security, device management, network operating systems, and utilities are introduced. 54 hours lecture and 18 hours laboratory. (TBA option)(Letter Grade, or Pass/No Pass option.)									
32212	CIS-21	Lecture Lab		3			ON-LINE ON-LINE	W Herrera	02/12 - 06/07/24 02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a> All hours, including the 18-hour laboratory requirement, are completed online.									
CIS-30A	Introduction to Python Programming								
Prerequisite: None Advisory: CIS-1A, CIS-5 Description: Combined features of Python are suitable for program development. Practical applications of Python may be found in the prominent fields of many different sciences field. Introduces the beginner or curious programmer to Python and basic programming concepts through a series of practical hands-on exercises following concept lecture and discussions. Provides an overview of the history and use of Python in scripting, web and software development and security. Emphasizes principles of software development, style, and testing. Focuses on programming and problem solving using Python programming language. 48 hours lecture and 27 hours lab. (Letter grade only)									
32213	CIS-30A	Lecture Lab		3			ON-LINE ON-LINE	J Ruiz	02/12 - 06/07/24 02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a> All hours, including the 27-hour laboratory requirement, are completed online.									
33243	CIS-30A	Lecture Lab		3			CUSD-ONLN CUSD-ONLN	J Ruiz	02/12 - 06/07/24 02/12 - 06/07/24
The above section is restricted to the High School students participating in Norco College's Dual Enrollment Program. This section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
CIS-66	Web Development I								
Prerequisite: None. Description: An introduction to the web technologies and languages. This course provides in-depth understanding of the roles of markup and scripting languages to display text and multimedia content for basic web pages.									
32219	CIS-66	Lecture Lab		3			ON-LINE ON-LINE	J Ruiz	02/12 - 06/07/24 02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a> All hours, including the 18-hour laboratory requirement, are completed online.									
33245	CIS-66	Lecture Lab		3			CUSD-ONLN CUSD-ONLN	J Ruiz	02/12 - 06/07/24 02/12 - 06/07/24
The above section is restricted to the High School students participating in Norco College's Dual Enrollment Program. This section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
CIS-78B	Advanced Adobe Photoshop								
Prerequisite: CIS-78A or CAT-78A or ADM-71A Description: Advanced techniques and methods for using Adobe PhotoShop to produce custom graphic solutions. Focus on real-world projects, workflow foundations, adjusting and optimizing images, and tips and tricks for enhanced image creation. 54 hours lecture and 18 hours laboratory. (TBA option). (Letter Grade, or Pass/No Pass option) (Same as CAT-78B)									
32220	CIS-78B	Lecture Lab		3			ON-LINE ON-LINE	A Johnson	02/12 - 06/07/24 02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a> All hours, including the 18-hour laboratory requirement, are completed online.									
CIS-79	Intro Adobe Illustrator								
Prerequisite: None Description: Fundamentals of Adobe Illustrator including creating objects, drawing paths, designing with type and working with graphics. (Same as CAT-79)									
32222	CIS-79	Lecture Lab		3	MTW F	02:25PM-03:15PM 02:25PM-03:15PM	JVHS-B6 JVHS-B6	D Warren	02/12 - 06/07/24 02/12 - 06/07/24
The above section is restricted to Jurupa Valley High School students participating in Norco College's Dual Enrollment Program.									
CIS-98A	Introduction to Excel								
Prerequisite: None. Description: Introductory spreadsheet development using Microsoft Excel for business and scientific related applications. The course covers introductory through intermediate spreadsheet development. 27 hours lecture and 18 hours laboratory. (TBA option) (Letter Grade, or Pass/No Pass option.) (Same as CAT-98A)									

SECT#	Course#	Instruction	ZTC/LTC	Units	Days	Time	Bldg-Room	Instructor	Dates
32225	CIS-98A	Lecture Lab		1.5			ON-LINE ON-LINE	B Fuller	04/15 - 06/07/24 04/15 - 06/07/24
This is a short term online class. Please note the start and end dates. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a> All hours, including the 18-hour laboratory requirement, are completed online.									
33247	CIS-98A	Lecture Lab		1.5			CUSD-ONLN CUSD-ONLN	B Fuller	04/15 - 06/07/24 04/15 - 06/07/24
The above section is restricted to the High School students participating in Norco College's Dual Enrollment Program. This section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									

## CONSTRUCTION TECHNOLOGY

CON-60		Introduction to Construction							
Prerequisite: None Description: An overview of the basic concepts of construction, including city and regional planning, managing, contracting, designing, engineering, estimating, bidding, inspection and production work normally associated with construction. An overview of how building codes affect the design, materials and methods of constructing buildings and other projects. Students will be expected to participate in several field trips. 54 hours lecture. (Letter grade only)									
33130	CON-60	Lecture		3	M	06:30PM-09:40PM	IT-123	J Thomas	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
CON-62		Print Reading for Construction							
Prerequisite: None. Description: An overview of construction print and specification reading, the relationship of drawings and specifications to the contract and responsibilities of the inspector in interpreting the contract documents and in the inspection of the work. 54 hours lecture. (Letter grade only)									
32269	CON-62	Lecture		3			ON-LINE	R Skaggs	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
CON-63A		International Building Code							
Prerequisite: None. Description: Use of the International Building Code and the various related state and local ordinances in plan checking various building types for compliance with the codes and ordinances. 54 hours lecture. (Letter grade)									
32270	CON-63A	Lecture		3			ON-LINE	J Thomas	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
CON-63B		Analysis of Revisions to the Uniform Building Code							
Prerequisite: CON-63A Description: An analysis which discusses the changes, amendments and the intent of the code. This analysis to provide to the building industry a concise understanding and purpose of facilitating the current code. In addition, the analysis of the revisions may be used as a plancheck and field inspection aid to ensure a better appraisal of the latest revisions. 54 hours lecture.									
32271	CON-63B	Lecture		3			ON-LINE	J Thomas	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
CON-63C		Analysis of Revisions to the Uniform Building Code							
Prerequisite: CON-63A Description: An analysis which discusses the changes, amendments and the intent of the code. This analysis to provide to the building industry a concise understanding and purpose of facilitating the current code. In addition, the analysis of the revisions may be used as a plancheck and field inspection aid to ensure a better appraisal of the latest revisions. 54 hours lecture.									
32272	CON-63C	Lecture		3			ON-LINE	J Thomas	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
CON-63D		Analysis of Revisions to the Uniform Building Code							
Prerequisite: CON-63A Description: An analysis which discusses the changes, amendments and the intent of the code. This analysis to provide to the building industry a concise understanding and purpose of facilitating the current code. In addition, the analysis of the revisions may be used as a plancheck and field inspection aid to ensure a better appraisal of the latest revisions. 54 hours lecture.									
32273	CON-63D	Lecture		3			ON-LINE	J Thomas	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
CON-64		Office/Field Inspect							
Prerequisite: None. Description: Office organization, procedures and necessary paper work pertinent to building and safety office management and inspection. Field inspection for completed buildings, zoning, health and safety ordinance application. Several field trips. 54 hours lecture. Letter Grade									
32274	CON-64	Lecture		3			ON-LINE	J Thomas	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
CON-66		National Electrical Code							
Prerequisite: None Description: Review of electrical codes including discussion and analysis of the application of physical laws in development of the code requirements. 54 hours lecture.(Letter grade only)									
32275	CON-66	Lecture		3	Th	06:30PM-09:40PM	IT-123	M Dowlatabadi	02/12 - 06/07/24
CON-67		Mechanical Code							
Prerequisite: None. Description: This course will examine the complete requirements for the installation and maintenance of heating, ventilating, cooling and refrigeration systems as promulgated in the Uniform Mechanical Code.54 hours lecture.									
32276	CON-67	Lecture		3	T	06:30PM-09:40PM	IT-122	J Thomas	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
CON-68		Simplified Engineering for Building Inspectors							
Prerequisite: None Description: Introduction to basic engineering. Fundamental static and stress formulas. Shear and moment diagrams and their applications. Properties of sections and their uses. Design of wood joists, beams, posts and use of tables with practical composite design applications. 54 hours lecture. (Letter grade only)									
32277	CON-68	Lecture		3	W	06:30PM-09:40PM	IT-123	J Thomas	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
CON-71		Energy Conservation Standards							
Prerequisite: None Description: Administrative regulations and codes that regulate the energy conservation for new residential buildings. Energy measures and mandatory features and devices that must be installed in new residential buildings and the enforcement by local building departments. 27 hours lecture. (Letter grade only)									
32278	CON-71	Lecture		1.5			ON-LINE	J Thomas	02/12 - 04/05/24
The above is a short term online class. Please note the start and end dates. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
CON-72		California State Accessibility Standards							
Prerequisite: None. Description: Examines the provisions of Title 24 accessibility standards of the California International Building Code for application in the construction industry. These legal requirements establish minimum facility accessibility standards and requirements to provide or improve access to and use by people with physical disabilities. Students will gain an understanding of the legal requirements and will interpret, analyze, and apply these provisions to various construction, alteration, remodeling, repair, and use of building and related facilities. 27 hours lecture. (Letter grade only)									

SECT#	Course#	Instruction	ZTC/LTC	Units	Days	Time	Bldg-Room	Instructor	Dates
32279	CON-72	Lecture		1.5			ON-LINE	J Thomas	04/15 - 06/07/24
The above is a short term online class. Please note the start and end dates. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
CON-74	Construction Estimating								
Prerequisite: None Corequisite: CON-62 Description: Introduction to estimating will provide an overview of basic and advanced principles of construction estimating and bidding currently used in the construction industry from pre-bid to post-bid. This course will be taught utilizing Construction Specifications Institute format ( <a href="http://www.csinet.org">www.csinet.org</a> ). 54 hours lecture.									
32280	CON-74	Lecture		3	Th	06:30PM-09:40PM	IT-122	L Hendrick	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									

## DANCE

DAN-6	Dance Appreciation								
Prerequisite: None Description: A nontechnical course for the general student leading to the appreciation and understanding of dance as a medium of communication, entertainment, and as an art form. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)									
32286	DAN-6	Lecture		3			ON-LINE	E Goe	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
DAN-D46	Pilates Mat Work								
Prerequisite: None. Description: Structured on the total body floor mat exercises developed by Joseph H. Pilates. Exercises include stretching and strengthening, in a non-impact system of floor work that emphasizes improving alignment, body awareness and control. 54 hours laboratory. (Letter grade only)									
32288	DAN-D46	Lab		1	MW	02:30PM-03:55PM	WEQ-W2	A Lupton	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									

## DRAFTING

DFT-21	Drafting								
Prerequisite: None. Description: Fundamentals of Architectural and Mechanical Engineering drafting including lettering, instruments and their uses, geometric construction, types of projection, freehand drawing, sectioning, dimension, auxiliary views, and pictorial drawing. Recommended for beginners and students with up to one year of drafting in high school. 27 hours lecture and 81 hours laboratory. Same as ENE-21. (Letter Grade, or Pass/No Pass option)									
32289	DFT-21	Lecture		3			ON-LINE	F Mirzaei	02/12 - 06/07/24
		Lab			T	02:00PM-05:10PM	ATEC-109		02/12 - 06/07/24
		Lab					ON-LINE		02/12 - 06/07/24
The above section is a hybrid class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
DFT-30	Computer Aided Drafting (CAD)								
Prerequisite: None Advisory: CIS-1A Description: A two-dimensional computer aided drafting class for drafters. Students will use an AUTOCAD computer drafting system to develop "computer drawn" drawings, which are typical to the various fields of drafting. 27 hours lecture and 81 hours laboratory. Same as ENE-30. (Letter Grade, or Pass/No Pass option)									
32291	DFT-30	Lecture		3			ON-LINE	F Mirzaei	02/12 - 04/05/24
		Lab			T	06:00PM-09:10PM	ATEC-109		02/12 - 04/05/24
		Lab					ON-LINE		02/12 - 04/05/24
The above is a short term hybrid class; students must attend class in-person as scheduled. Please note the start and end dates. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
33228	DFT-30	Lecture		3			CUSD-ONLN	F Mirzaei	02/12 - 04/05/24
		Lab					CUSD-ONLN		02/12 - 04/05/24
		Lab			T	06:00PM-09:10PM	ATEC-109		02/12 - 04/05/24
The above is a short term hybrid class; students must attend class in-person as scheduled. Please note the start and end dates. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a> This section is restricted to the CNUSD High School students participating in Norco College's Dual Enrollment Program.									
DFT-42	Solidworks I								
Prerequisite: None Advisory: PC computer experience recommended Description: This course is designed to introduce the student to three-dimensional parametric solid modeling with SolidWorks. Students will begin with basic parametric solid modeling techniques advancing into complex assemblies requiring animation. 27 hours lecture and 81 hours of laboratory. (Same as ENE-42)									
32293	DFT-42	Lecture		3			ON-LINE	F Mirzaei	02/12 - 04/05/24
		Lab			W	06:00PM-09:10PM	ATEC-109		02/12 - 04/05/24
		Lab					ON-LINE		02/12 - 04/05/24
The above is a short term hybrid class; students must attend class in-person as scheduled. Please note the start and end dates. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
DFT-51	Print Reading								
Prerequisite: None Description: A beginning course in the study of blueprints and their interpretation, types of projection, symbols and abbreviations. This course is designed for students interested in print reading for the machine trades. 27 hours lecture and 27 hours laboratory. (Letter Grade, or Pass/No Pass option.) (same As Ene-51)									
32295	DFT-51	Lecture		2			ON-LINE	C Keissieh	04/15 - 06/07/24
		Lab			F	06:00PM-08:05PM	ATEC-119		04/15 - 06/07/24
		Lab					ON-LINE		04/15 - 06/07/24
The above is a short term hybrid class; students must attend class in-person as scheduled. Please note the start and end dates. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									

## EARLY CHILDHOOD EDUCATION

EAR-19		Observation and Assessment in Early Childhood Education							
Prerequisite: None. Advisory: EAR-20 and EAR-24 Description: Introduces the appropriate use of assessment and observation tools and strategies to document young children's development and learning. The use of findings to inform and plan learning environments and experiences are emphasized. Recording strategies, rating systems, portfolios, and multiple assessment tools will be discussed, along with strategies for collaboration with families and professionals. 54 hours lecture. (Letter grade only)									
32301	EAR-19	Lecture		3	MW	09:15AM-10:40AM	IT-209	M Adams	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
EAR-20		Child Growth and Development							
Prerequisite: None Description: This introductory course examines the major physical, psychosocial, and cognitive/language developmental milestones for children, both typical and atypical, from conception through adolescence. Emphasis on interactions between maturational processes and environmental factors. While studying developmental theory and investigative research methodologies, students will observe children, evaluate individual differences, and analyze characteristics of development at various stages, and the importance of play. Child observations required. 54 hours lecture. (Letter grade only)									
32302	EAR-20	Lecture		3			ON-LINE	E Cortes	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a> .									



SECT#	Course#	Instruction	ZTC/LTC	Units	Days	Time	Bldg-Room	Instructor	Dates
32303	EAR-20	Lecture		3	TTh	11:15AM-12:40PM	IT-209	R Carreon-Bailey	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
32305	EAR-20	Lecture		3			CUSD-ONLN	M Adams	02/12 - 06/07/24
The above is an online class and is restricted to the CNUSD High School students participating in Norco College's Dual Enrollment Program. Computer with Internet access required. See www.rccd.edu/de									
33118	EAR-20	Lecture		3			ON-LINE	S Sumiati	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
33119	EAR-20	Lecture		3	TTh	09:40AM-11:05AM	IT-209	L Vazquez	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
<b>EAR-24 Introduction to Curriculum</b>									
Prerequisite: None Description: An overview of knowledge and skills related to providing appropriate curriculum and environments for young children. Students will examine a teacher's role in supporting development and engagement for all young children. Provides strategies for developmentally-appropriate practice based on observation and assessments across the curriculum, including: academic content areas; play, art, and creativity; and development of social-emotional, communication, and cognitive skills. 54 hours lecture. (Letter grade)									
32306	EAR-24	Lecture		3	Th	06:00PM-09:10PM	IT-209	R Carreon-Bailey	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
32307	EAR-24	Lecture		3			ON-LINE	S Burnett	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
34313	EAR-24	Lecture		3			ON-LINE	S Burnett	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
<b>EAR-25 Teaching in a Diverse Society</b>									
Prerequisite: None Description: Examines the impact of various societal influences on children's development, personal and social identity, and school experiences. Becoming aware of difference and diversity to become culturally competent members of a diverse society. Covers developmentally appropriate, inclusive, culturally relevant, linguistically appropriate and anti-bias, anti-racist approaches. Self-examination and reflection on issues related to social identity, stereotypes, and bias will be explored. 54 hours lecture. (Letter Grade)									
32308	EAR-25	Lecture		3	MW	09:15AM-10:40AM	STOK-E102	S Burnett	02/12 - 06/07/24
The above course is offered offsite at Stokoe Elementary, 4501 Amb Dr, Riverside. By the first class meeting, students must have a completed Stokoe Course Clearance Checklist. Students may not access the site until this is completed. Copies of the clearance forms can be obtained by emailing cte@norcocollege.edu									
<b>EAR-26 Health, Safety and Nutrition</b>									
Prerequisite: None. Description: An introduction to the laws, regulations, standards, policies, procedures, and best practices related to health, safety, and nutrition in care and education settings for children birth through middle childhood. Covering the mental health, and safety for both children and staff will be identified along with the importance of collaboration with families and health professionals. Includes the teacher and classroom staff's role in prevention strategies, nutrition and meal planning, integrating health safety and nutrition experiences into daily routines, and overall risk management. 54 hours lecture. (Letter grade only)									
32309	EAR-26	Lecture		3			ON-LINE	T Oliver	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
<b>EAR-28 Principles and Practices of Teaching Young Children</b>									
Prerequisite: None Description: Historical contexts and theoretical perspectives of developmentally appropriate practice in early care and education for children birth through age eight, emphasizing the key role of relationships, and constructive adult-child interactions. Explores the professional identity, typical roles and expectations of early childhood educators. Identifies professional ethics, career pathways, promoting advocacy, professional standards. Introduces best practices for developmentally appropriate learning environments, curriculum, and effective pedagogy for young children, including how play contributes to children's learning, growth, and development. 54 hours lecture. (Letter grade only)									
32310	EAR-28	Lecture		3			ON-LINE	S Burnett	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
32311	EAR-28	Lecture		3	MW	12:45PM-02:10PM	IT-209	S Burnett	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
<b>EAR-33 Infant and Toddler Development</b>									
PREREQUISITE: None Description: A study of infants and toddlers from pre-conception to age three including physical, cognitive, language, social, and emotional growth and development. Applies theoretical frameworks to interpret behavior and interactions between heredity and environment. Emphasizes the role of family and relationships in development. 54 hour lecture. (Letter grade only)									
32314	EAR-33	Lecture		3			ON-LINE	L Vazquez	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
<b>EAR-41 Practicum in Early Intervention/Special Education</b>									
Prerequisite: EAR-20 and EAR-24 and EAR-28 and EAR-42 Advisory: EAR-40 or EAR-46 Description: Provides hands-on experience working with infants, toddlers and young children with special needs in a variety of early intervention and educational settings, including natural environments, self-contained special day and fully-included early childhood classrooms. Reflective practice is emphasized as student teachers design, implement, and evaluate approaches, strategies and techniques that promote development and learning. 36 hours lecture and 108 hours laboratory. (TBA option) (Letter Grade)									
33120	EAR-41	Lecture		4	Th	02:00PM-04:05PM	IT-209	M Adams	02/12 - 06/07/24
		Lab			TTh	08:30AM-12:35PM	HSSP-CLASS		02/12 - 06/07/24
<b>EAR-42 Child, Family, and Community</b>									
Prerequisite: None. Description: The processes of socialization focusing on the interrelationship of family, school, and community. Examines the influence of multiple societal contexts. Explores the role of collaboration between family, community, and schools in supporting children's development, birth through adolescence. 54 hours lecture. (Letter grade only)									
32316	EAR-42	Lecture		3			CUSD-ONLN	M Adams	02/12 - 06/07/24
The above is an online class and is restricted to the CNUSD High School students participating in Norco College's Dual Enrollment Program. Computer with Internet access required. See www.rccd.edu/de									
32317	EAR-42	Lecture		3			CUSD-ONLN	A Muller	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de This section is restricted to the CNUSD High School students participating in Norco College's Dual Enrollment Program.									
32318	EAR-42	Lecture		3			ON-LINE	M Adams	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de.									

SECT#	Course#	Instruction	ZTC/LTC	Units	Days	Time	Bldg-Room	Instructor	Dates
-------	---------	-------------	---------	-------	------	------	-----------	------------	-------

## ECONOMICS

### ECO-4 Intro Economics

Prerequisite: None. Description: An entry-level, general education course which introduces and surveys basic macroeconomic and microeconomic principles. This course emphasizes the causes and consequences of the business cycle on output, employment, and prices as well as basic supply and demand analysis across different market structures. Analysis further includes the role of the government in the macro-economy and the micro-economy. 54 hours lecture. (Letter grade)

32322	ECO-4	Lecture		3			ON-LINE	C Rajakone	02/12 - 06/07/24
-------	-------	---------	--	---	--	--	---------	------------	------------------

The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

33234	ECO-4	Lecture		3			CUSD-ONLN	C Rajakone	02/12 - 06/07/24
-------	-------	---------	--	---	--	--	-----------	------------	------------------

The above section is restricted to the High School students participating in Norco College's Dual Enrollment Program. This section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

### ECO-7 Principles of Macroeconomics

Prerequisite: MAT-52. Advisory: Intermediate Algebra or qualifying placement level. Description: Economic theory and analysis as applied to the U.S. economy as a whole.

Emphasizes aggregative economics dealing with the macroeconomic concepts of national income and expenditure, aggregate supply and demand, fiscal policy, monetary policy, and economic stabilization and growth. Students may not receive credit for both ECO-7 and ECO-7H. 54 hours lecture. (Letter grade)

32323	ECO-7	Lecture		3	MW	02:30PM-03:55PM	ATEC-204	A Shotwell	02/12 - 06/07/24
-------	-------	---------	--	---	----	-----------------	----------	------------	------------------

Canvas and other online applications may be required to complete coursework.

32324	ECO-7	Lecture		3	TTh	09:40AM-11:05AM	ATEC-204	A Shotwell	02/12 - 06/07/24
-------	-------	---------	--	---	-----	-----------------	----------	------------	------------------

Canvas and other online applications may be required to complete coursework.

### ECO-8 Principles of Microeconomics

Prerequisite: MAT-52 or qualifying placement level. Advisory: MAT-35 Description: Economic theory and analysis as applied to consumer and producer behavior in markets.

Emphasizes the allocation of resources and the distribution of income through the price mechanism, and deals with the microeconomic concepts of equilibrium in product and factor markets, perfect and imperfect competition, government intervention in the private sector, and international trade and finance. 54 hours lecture. (Letter grade)

32326	ECO-8	Lecture		3			ON-LINE	T Cummings	02/12 - 06/07/24
-------	-------	---------	--	---	--	--	---------	------------	------------------

The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

32327	ECO-8	Lecture		3	TTh	11:15AM-12:40PM	ATEC-204	T Cummings	02/12 - 06/07/24
-------	-------	---------	--	---	-----	-----------------	----------	------------	------------------

Canvas and other online applications may be required to complete coursework.

32329	ECO-8	Lecture		3			ON-LINE	C Rajakone	02/12 - 06/07/24
-------	-------	---------	--	---	--	--	---------	------------	------------------

The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

33236	ECO-8	Lecture		3			CUSD-ONLN	T Cummings	02/12 - 06/07/24
-------	-------	---------	--	---	--	--	-----------	------------	------------------

The above section is restricted to the High School students participating in Norco College's Dual Enrollment Program. This section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

## ELECTRICITY

### ELC-71 Residential Electrical Wiring

Prerequisite: None Description: The course introduces students to wiring methods commonly used in residential electrical wiring. Topics include wiring of electrical switches, receptacles, code requirements for kitchen, bathroom, GFI and AFI devices, raceways, and boxes. Laboratory allows students to wire and test sample wall and ceiling sections. 54 hours lecture and 54 hours laboratory. (Letter Grade, or Pass/No Pass option) (Same as ELE-71)

32330	ELC-71	Lecture		4	F	08:00AM-11:10AM	ATEC-119	J Roman	02/12 - 06/07/24
		Lab			F	11:20AM-02:30PM	ATEC-119		02/12 - 06/07/24

Canvas and other online applications may be required to complete coursework.

### ELC-72 Commercial and Industrial Electrical Wiring

Prerequisite: None Description: Wiring of commercial and industrial buildings including equipment grounding, service grounding, power distribution, conduit types, metal, plastic, flexible, bending and supporting, light distribution and blueprint reading. Hands-on lab experiences are selected to reinforce key theories. 54 hours lecture and 54 hours laboratory. (Letter Grade, or Pass/No Pass option) (Same As ELE-72)

33107	ELC-72	Lecture		4	S	08:00AM-11:10AM	ATEC-119	D Adams	02/12 - 06/07/24
		Lab			S	11:20AM-02:30PM	ATEC-119		02/12 - 06/07/24

Canvas and other online applications may be required to complete coursework.

### ELC-73 Electric Motors and Transformers

Prerequisite: None Description: Enables electricians to understand and effectively wire most standard DC motors, servos and steppers, as well as many AC motors, including single and poly-phase units, from fractional horsepower to multi-horsepower, industrial giants. 54 hours lecture and 54 hours laboratory. (Letter Grade, or Pass/No Pass option.) (Same as ELE-73)

32331	ELC-73	Lecture		4	TTh	06:00PM-07:25PM	IT-124	A Munoz	02/12 - 06/07/24
		Lab			TTh	07:35PM-09:00PM	IT-124		02/12 - 06/07/24

Canvas and other online applications may be required to complete coursework.

### ELC-74 Industrial Wiring and Controls

Prerequisite: None Course Credit Recommendation: Degree Credit Description: Industrial controls and electrical wiring of modern facilities, manufacturing, or warehousing.

Included will be production equipment, conveyor systems, hydraulic and pneumatic controls, power distribution, blueprint reading, electrical control wiring, PLC (programmable logic controller) control wiring, VFD (variable frequency drives) wiring and programming. 54 hours lecture and 54 hours laboratory. (Letter Grade or Pass/No Pass option) (Same as ELE/ MAN-74)

32332	ELC-74	Lecture		4	MW	06:00PM-07:25PM	IT-124	J Roman	02/12 - 06/07/24
		Lab			MW	07:35PM-09:00PM	IT-124	J Vela	02/12 - 06/07/24

Canvas and other online applications may be required to complete coursework.

### ELC-75 Solid State Devices and Lighting Controls

Prerequisite: None Course Credit Recommendation: Degree Credit Description: Students will learn about solid state device (electronics), sensors, SCR (silicone control rectifier), transistors, proximity and light sensors used in most industrial and commercial installations. Included will be showing students different types of sensors used for controlling motors, conveyors, and lighting devices. 36 hours lecture and 54 hours laboratory. (Letter Grade, or Pass/No Pass option.) (same As Ele-75)

32333	ELC-75	Lecture		3	F	08:00AM-10:05AM	IT-124	J Vela	02/12 - 06/07/24
		Lab			F	10:15AM-01:25PM	IT-124		02/12 - 06/07/24

Canvas and other online applications may be required to complete coursework.

SECT#	Course#	Instruction	ZTC/LTC	Units	Days	Time	Bldg-Room	Instructor	Dates
ELC-76		Low Voltage Wiring and Alternate Energy Generation							
Prerequisite: None Course Credit Recommendation: Degree Credit Description: Introduces electricians to the specialized needs and requirements of institutional, educational and government entities, along with overlapping demands of other specialty areas that include access-control, security/safety, flood, fire and gas detection, environmental controls and renewable energy systems, patient-monitoring, nurse-call, closed-circuit television (CCTV), Internet-Intercom and phone systems and remote-monitoring and control applications. 36 hours lecture and 54 hours laboratory. (Letter Grade, or Pass/No Pass option.) (Same as ELE-76)									
32334	ELC-76	Lecture		3	M	07:00PM-07:50PM	IT-202	K Rad	02/12 - 06/07/24
					W	07:00PM-08:05PM	IT-202		02/12 - 06/07/24
		Lab			MW	08:15PM-09:40PM	IT-202		02/12 - 06/07/24

Canvas and other online applications may be required to complete coursework.

ELC-77		Electrical Theory for Electricians						
(Same as MAN/ELE-77) Prerequisite: None Description: An introduction to electrical theory, Ohm's Law, magnetism, electromagnetism, voltage, resistance, current, inductance, capacitance, reactance, impedance, Watts, Volt-Amps, VARs, current control devices, sensors and actuators phase angle, power-factor, transformers, motors, power distribution systems, and proper usage of electrical test equipment (meters). Student will learn concepts of electrical power, energy, Kirchoff's Laws, along with basic math to solve fundamental electrical problems for both alternating current (A.C.) and direct current (D.C.) circuits. Student will learn basic electrical safety procedures, including the proper use and requirements for personal protective equipment (PPE). 36 hours lecture, 54 hours lab. (same as ELE/MAN-77)								
32335	ELC-77	Lecture	3	T	06:30PM-07:20PM	IT-202	K Rad	02/12 - 06/07/24
				Th	06:30PM-07:35PM	IT-202		02/12 - 06/07/24
		Lab		TTh	07:45PM-09:10PM	IT-202		02/12 - 06/07/24

Canvas and other online applications may be required to complete coursework.

## ELECTRONICS

ELE-10	Survey of Electronics							
Prerequisite: None Description: Basic electronic theory featuring electron-flow, Ohm's, Watt's, and Kirchoff's Laws, analog DC and AC devices, circuits, parameters and equations, diodes, transistors, thyristors, digital logic, integrated circuits, power supplies, amplifiers, oscillators, with laboratory test and measurement equipment. 63 hours lecture and 27 hours laboratory.(Pass/No Pass Letter Grade)								
32336	ELE-10	Lecture	4	F	08:00AM-11:35AM	IT-202	K Rad	02/12 - 06/07/24
		Lab		F	11:45AM-01:10PM	IT-202		02/12 - 06/07/24

Canvas and other online applications may be required to complete coursework.

ELE-13		AC Electronics							
Prerequisite: ELE-10 or ELE-11 or ELE-21 or ELE-23 Description: Alternating Current (AC) theory, devices, circuits and applications--will include: resistance, reactance, impedance, capacitance, inductance, Ohm's Law, Power Law, sinusoidal waveforms, Peak, Peak-to-Peak and Root-Mean-Square (RMS) measurements, using an oscilloscope, signal generator and meter; applications of series and parallel networks of resistors, capacitors, inductors, transformers and other AC components; J-Factors and phasor-vector solutions to both simple and complex AC circuits; transient reactor analysis; phase-shift, phase-angle, and power-factor calculations and measurements. 54 hours lecture and 54 hours laboratory.									
33110	ELE-13	Lecture	4	S	08:00AM-11:10AM	IT-202	K Rad	02/12 - 06/07/24	
		Lab		S	11:20AM-02:30PM	IT-202		02/12 - 06/07/24	

Canvas and other online applications may be required to complete coursework.

ELE-28		MultiSim CAD and PCB Design/Fab						
Prerequisite:		None Description: This course covers MultiSim schematic capture, simulation, export to UltiBoard and UltiRoute. Basic Computer Aided Design (CAD)-Drafting, block diagrams, printed circuit board design-layout. The use of Computer Aided Design tools and electronics-library component-templates will be emphasized. PCB design and fabrication with through-hole and SMT/SMD devices. 36 hours lecture and 54 hours laboratory.						
32338	ELE-28	Lecture	3	M	02:30PM-03:20PM	IT-202	M Dowlatabadi	02/12 - 06/07/24
				W	02:30PM-03:35PM	IT-202		02/12 - 06/07/24
		Lab		MW	03:45PM-05:10PM	IT-202		02/12 - 06/07/24

Canvas and other online applications may be required to complete coursework.

ELE-64		Programmable Logic Controllers Using Allen Bradley Plcs						
Prerequisite: None Advisory: ELE-10 or ELE-11 Description: 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. 36 hours lecture and 54 hours laboratory. (Letter Grade, or Pass/No Pass option.) (Same as MAN-64)								
32363	ELE-64	Lecture	3			ON-LINE	P Van Hulle	02/12 - 06/07/24
		Lab		W	06:00PM-09:10PM	CACT-2	C Keissieh	02/12 - 06/07/24

The above section is a hybrid class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

ELE-71	Residential Electrical Wiring								
Prerequisite: None Description: Introduces students to wiring methods commonly used in residential electrical wiring. Topics include wiring of electrical switches, receptacles, code requirements for kitchen, bathroom, GFI and AFI devices, raceways, and boxes. Laboratory allows students to wire and test sample wall and ceiling sections. 54 hours lecture and 54 hours laboratory. Pass/No Pass Letter Grade (Same as ELC-71)									
32364	ELE-71	Lecture		4	F	08:00AM-11:10AM	ATEC-119	J Roman	02/12 - 06/07/24
		Lab			F	11:20AM-02:30PM	ATEC-119		02/12 - 06/07/24

Canvas and other online applications may be required to complete coursework.

ELE-72	Commercial and Industrial Electrical Wiring								
Prerequisite: None Description: Wiring of commercial and industrial buildings including equipment grounding, service grounding, power distribution, conduit types, metal, plastic, flexible, bending and supporting, light distribution, and blueprint reading. Hands-on lab experiences are selected to reinforce key theories. 54 hours lecture and 54 hours laboratory. Pass/No Pass, Letter Grade (Same as ELC-72)									
33108	ELE-72	Lecture		4	S	08:00AM-11:10AM	ATEC-119	D Adams	02/12 - 06/07/24
		Lab			S	11:20AM-02:30PM	ATEC-119		02/12 - 06/07/24

Canvas and other online applications may be required to complete coursework.

ELE-73	Electric Motors and Transformers								
Prerequisite: None. Description: Enables electricians to understand and effectively wire most standard DC motors, servos and steppers, as well as many AC motors, including single and poly-phase units, from fractional horsepower to multi-horsepower, industrial giants. 54 hours lecture and 54 hours laboratory. Pass/No Pass, Letter Grade. (Same as ELC-73)									
32365	ELE-73	Lecture		4	TTh	06:00PM-07:25PM	IT-124	A Munoz	02/12 - 06/07/24
		Lab			TTh	07:35PM-09:00PM	IT-124		02/12 - 06/07/24

Canvas and other online applications may be required to complete coursework.

SECT#	Course#	Instruction	ZTC/LTC	Units	Days	Time	Bldg-Room	Instructor	Dates
ELE-74	Industrial Wiring and Controls								
Prerequisite: None Description: Industrial controls and electrical wiring of modern facilities, manufacturing, or warehousing. Included will be production equipment, conveyor systems, hydraulic and pneumatic controls, power distribution, blueprint reading, electrical control wiring, PLC (programmable logic controller) control wiring, VFD (variable frequency drives) wiring and programming. 54 hours lecture and 54 hours laboratory. (Letter Grade or Pass/No Pass option) (Same as ELC/MAN-74)									
32366	ELE-74	Lecture		4	MW	06:00PM-07:25PM	IT-124	J Roman	02/12 - 06/07/24
		Lab			MW	07:35PM-09:00PM	IT-124	J Vela	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
ELE-75	Solid State Devices Lighting Controls								
Prerequisite: None. Description: Students will learn about solid state device (electronics), sensors, SCR (silicone control rectifier), transistors, proximity and light sensors used in most industrial and commercial installations. Included will be showing students different types of sensors used for controlling motors, conveyors, and lighting devices. 36 hours lecture and 54 hours laboratory. Pass/ No Pass, Letter Grade. (same as ELC-75)									
32367	ELE-75	Lecture		3	F	08:00AM-10:05AM	IT-124	J Vela	02/12 - 06/07/24
		Lab			F	10:15AM-01:25PM	IT-124		02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
ELE-76	Low Voltage Wiring/Alternate Energy								
Prerequisite: None. Description: Introduces electricians to the specialized needs and requirements of institutional, educational and government entities, along with overlapping demands of other specialty areas that include access-control, security/safety, flood, fire and gas detection, environmental controls and renewable energy systems, patient-monitoring, nurse-call, closed-circuit television (CCTV), Internet-Intercom and phone systems and remote-monitoring and control applications. 36 hours lecture and 54 hours laboratory. Pass/No Pass, Letter Grade. (same as ELC-76)									
32368	ELE-76	Lecture		3	M	07:00PM-07:50PM	IT-202	K Rad	02/12 - 06/07/24
					W	07:00PM-08:05PM	IT-202		02/12 - 06/07/24
		Lab			MW	08:15PM-09:40PM	IT-202		02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
ELE-77	Electrical Theory for Electricians								
Prerequisite: None Description: An introduction to electrical theory, Ohm's Law, magnetism, electromagnetism, voltage, resistance, current, inductance, capacitance, reactance, impedance, Watts, Volt-Amps, VARs, current control devices, sensors and actuators phase angle, power-factor, transformers, motors, power distribution systems, and proper usage of electrical test equipment (meters). Student will learn concepts of electrical power, energy, Kirchoff's Laws, along with basic math to solve fundamental electrical problems for both alternating current (A.C.) and direct current (D.C.) circuits. Student will learn basic electrical safety procedures, including the proper use and requirements for personal protective equipment (PPE). 36 hours lecture 54 hours laboratory. Pass/ No Pass, Letter grade, (same as ELC/MAN-77)									
32369	ELE-77	Lecture		3	T	06:30PM-07:20PM	IT-202	K Rad	02/12 - 06/07/24
					Th	06:30PM-07:35PM	IT-202		02/12 - 06/07/24
		Lab			TTh	07:45PM-09:10PM	IT-202		02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
ELE-401	Introduction to Electrical Theory, Basic Math Concepts, and the National Electric Code								
Prerequisite: None Limitation on enrollment: Student must be a registered State indentured apprentice Description: Provides an introduction to algebraic and trigonometric concepts and application of their principles to solve basic electrical equations and layout conduit bends. Teaches the student to apply basic electrical theory to predict circuit behavior. Basic conduit bending techniques will be developed. The National Electrical Code will be introduced. 45 hours lecture and 54 hours laboratory. (Same as ELC-401) Letter grade.									
32339	ELE-401	Lecture		3.5	TTh	03:00PM-04:05PM	JACT-1	A Rister	01/18 - 05/16/24
		Lab			TTh	04:15PM-05:30PM	JACT-1		01/18 - 05/16/24
The above course is part of a 5-year apprenticeship program. Interested students may apply to the Riverside and San Bernardino Joint Electrical Apprenticeship Training Committee. (909) 890-1703.									
32340	ELE-401	Lecture		3.5	TTh	03:00PM-04:05PM	JACT-2	G Montejano	01/18 - 05/16/24
		Lab			TTh	04:15PM-05:30PM	JACT-2		01/18 - 05/16/24
The above course is part of a 5-year apprenticeship program. Interested students may apply to the Riverside and San Bernardino Joint Electrical Apprenticeship Training Committee. (909) 890-1703.									
32341	ELE-401	Lecture		3.5	TTh	03:00PM-04:05PM	JACT-9	P Conway	01/18 - 05/16/24
		Lab			TTh	04:15PM-05:30PM	JACT-3		01/18 - 05/16/24
The above course is part of a 5-year apprenticeship program. Interested students may apply to the Riverside and San Bernardino Joint Electrical Apprenticeship Training Committee. (909) 890-1703.									
ELE-403	AC Circuit Concepts, Applied Electronics, and National Electric Code Applications								
Prerequisite: None Limitation on enrollment: Student must be a registered State indentured apprentice Description: Electrician AC theory including an exploration of inductance and capacitance and the effect of their combined reactants on AC circuits along with the application of electronic concepts and components. 45 hours lecture and 54 hours laboratory. (Same as ELC-403) Letter grade.									
32344	ELE-403	Lecture		3.5	MW	03:00PM-04:05PM	JACT-1	J Bachtel	01/17 - 05/15/24
		Lab			MW	04:15PM-05:30PM	JACT-1		01/17 - 05/15/24
The above course is part of a 5-year apprenticeship program. Interested students may apply to the Riverside and San Bernardino Joint Electrical Apprenticeship Training Committee. (909) 890-1703.									
32345	ELE-403	Lecture		3.5	MW	03:00PM-04:05PM	JACT-2	T Collins	01/17 - 05/15/24
		Lab			MW	04:15PM-05:30PM	JACT-2		01/17 - 05/15/24
The above course is part of a 5-year apprenticeship program. Interested students may apply to the Riverside and San Bernardino Joint Electrical Apprenticeship Training Committee. (909) 890-1703.									
32346	ELE-403	Lecture		3.5	MW	03:00PM-04:05PM	JACT-3	G Montejano	01/17 - 05/15/24
		Lab			MW	04:15PM-05:30PM	JACT-3		01/17 - 05/15/24
The above course is part of a 5-year apprenticeship program. Interested students may apply to the Riverside and San Bernardino Joint Electrical Apprenticeship Training Committee. (909) 890-1703.									
ELE-405	Electrician Blueprint Reading with Code Applications for National Electrical Code (NEC)								
Prerequisite: None Limitation on enrollment: Student must be a registered State indentured apprentice Description: Electrician studies of blueprints and specifications. Application of the National Electric Code will cover current protection, panel-boards, and lighting systems. 45 hours lecture and 54 hours laboratory. (same as ELC-405) Letter Grade.									
32349	ELE-405	Lecture		3.5	TTh	06:00PM-07:05PM	JACT-1	L Vergeront	01/18 - 05/16/24
		Lab			TTh	07:15PM-08:30PM	JACT-1		01/18 - 05/16/24
The above course is part of a 5-year apprenticeship program. Interested students may apply to the Riverside and San Bernardino Joint Electrical Apprenticeship Training Committee. (909) 890-1703.									
32350	ELE-405	Lecture		3.5	TTh	06:00PM-07:05PM	JACT-2	M Felts	01/18 - 05/16/24
		Lab			TTh	07:15PM-08:30PM	JACT-2		01/18 - 05/16/24
The above course is part of a 5-year apprenticeship program. Interested students may apply to the Riverside and San Bernardino Joint Electrical Apprenticeship Training Committee. (909) 890-1703.									
33190	ELE-405	Lecture		3.5	TTh	06:00PM-07:05PM	JACT-3	P Brown	01/18 - 05/16/24
		Lab			TTh	07:15PM-08:30PM	JACT-3		01/18 - 05/16/24
The above course is part of a 5-year apprenticeship program. Interested students may apply to the Riverside and San Bernardino Joint Electrical Apprenticeship Training Committee. (909) 890-1703.									



SECT#	Course#	Instruction	ZTC/LTC	Units	Days	Time	Bldg-Room	Instructor	Dates
33191	ELE-405	Lecture Lab		3.5	TTh TTh	06:00PM-07:05PM 07:15PM-08:30PM	JACT-4 JACT-4	K Gibson	01/18 - 05/16/24 01/18 - 05/16/24
The above course is part of a 5-year apprenticeship program. Interested students may apply to the Riverside and San Bernardino Joint Electrical Apprenticeship Training Committee. (909) 890-1703.									
ELE-407 Motor Control Principles, Generators and Power Supplies, with National Electric Code (NEC) Prerequisite: None Limitation on enrollment: Student must be a registered State indentured apprentice. Description: Techniques for controlling AC and DC motors; students examine conventional and cutting-edge technologies for power generation. 45 hours lecture and 54 hours laboratory.(Same as ELC-407) Letter grade.									
32351	ELE-407	Lecture Lab		3.5	MW MW	06:00PM-07:05PM 07:15PM-08:30PM	JACT-1 JACT-1	S Kadella	01/17 - 05/15/24 01/17 - 05/15/24
The above course is part of a 5-year apprenticeship program. Interested students may apply to the Riverside and San Bernardino Joint Electrical Apprenticeship Training Committee. (909) 890-1703.									
32352	ELE-407	Lecture Lab		3.5	MW MW	06:00PM-07:05PM 07:15PM-08:30PM	JACT-2 JACT-2	L Vergeront	01/17 - 05/15/24 01/17 - 05/15/24
The above course is part of a 5-year apprenticeship program. Interested students may apply to the Riverside and San Bernardino Joint Electrical Apprenticeship Training Committee. (909) 890-1703.									
32353	ELE-407	Lecture Lab		3.5	MW MW	06:00PM-07:05PM 07:15PM-08:30PM	JACT-3 JACT-3	K Gibson	01/17 - 05/15/24 01/17 - 05/15/24
The above course is part of a 5-year apprenticeship program. Interested students may apply to the Riverside and San Bernardino Joint Electrical Apprenticeship Training Committee. (909) 890-1703.									
32354	ELE-407	Lecture Lab		3.5	MW MW	06:00PM-07:05PM 07:15PM-08:30PM	JACT-4 JACT-4	A Rister	01/17 - 05/15/24 01/17 - 05/15/24
The above course is part of a 5-year apprenticeship program. Interested students may apply to the Riverside and San Bernardino Joint Electrical Apprenticeship Training Committee. (909) 890-1703.									
33192	ELE-407	Lecture Lab		3.5	S S	08:00AM-10:15AM 10:25AM-01:30PM	JACT-1 JACT-1	T Collins	01/20 - 05/18/24 01/20 - 05/18/24
The above course is part of a 5-year apprenticeship program. Interested students may apply to the Riverside and San Bernardino Joint Electrical Apprenticeship Training Committee. (909) 890-1703.									
ELE-409 Electrician Specialty Systems Prerequisite: None Limitation on enrollment: Student must be a registered State indentured apprentice Description: Examines specialty electrical systems commonly found in building construction. Includes fire alarm systems, closed-circuit television (CCTV) systems, telephone systems, cable television (CATV and MATV) systems, local area networks (LANs), fiber optic data systems, heating and air conditioning control systems, and lightning protection systems. 45 hours lecture and 54 hours laboratory.(Same as ELC-409)									
32355	ELE-409	Lecture Lab		3.5	TTh TTh	03:00PM-04:05PM 04:15PM-05:30PM	JACT-4 JACT-4	S Kadella	01/18 - 05/16/24 01/18 - 05/16/24
The above course is part of a 5-year apprenticeship program. Interested students may apply to the Riverside and San Bernardino Joint Electrical Apprenticeship Training Committee. (909) 890-1703.									
32356	ELE-409	Lecture Lab		3.5	S S	08:00AM-10:15AM 10:25AM-01:15PM	JACT-2 JACT-2	P Brown	01/20 - 05/18/24 01/20 - 05/18/24
The above course is part of a 5-year apprenticeship program. Interested students may apply to the Riverside and San Bernardino Joint Electrical Apprenticeship Training Committee. (909) 890-1703.									
ELE-421 Electrical Theory and Practices DC Prerequisite: None Limitation on enrollment: Student must be a registered State indentured apprentice Description: Study of floor and plot plans, basic blueprint reading and circuit drawing, theory of magnetism, DC and AC generators, motors and transformers, on-the-job safety, first aid, electrical code, telephony and data communications. 45 hours lecture and 54 hours laboratory. (Pass/ no pass, Letter grade) (Same as ELC-421)									
32358	ELE-421	Lecture Lab		3.5	TTh TTh	03:00PM-04:05PM 04:15PM-05:30PM	JACT-5 JACT-5	F Rodriguez	01/18 - 05/16/24 01/18 - 05/16/24
The above course is part of a 5-year apprenticeship program. Interested students may apply to the Riverside and San Bernardino Joint Electrical Apprenticeship Training Committee. (909) 890-1703.									
ELE-423 Semiconductor Electronics Prerequisite: None Limitation on enrollment: Student must be a registered State indentured apprentice Description: Study of solid-state electronic theory and components, diodes, transistors, SCR, triacs, diacs, IC amplifiers and op amps. 45 hours lecture and 54 hours laboratory. (Pass/no pass, Letter grade) (Same as ELC-423)									
32359	ELE-423	Lecture Lab		3.5	TTh TTh	03:00PM-04:05PM 04:15PM-05:30PM	JACT-6 JACT-6	P Gomber	01/18 - 05/16/24 01/18 - 05/16/24
The above course is part of a 5-year apprenticeship program. Interested students may apply to the Riverside and San Bernardino Joint Electrical Apprenticeship Training Committee. (909) 890-1703.									
ELE-425 Management/Alarms/Codes/Circuits Prerequisite: None Limitation on enrollment: Student must be a registered State indentured apprentice Description: Introduction to management, installation of security and fire alarm systems, the National Electrical Code as it relates to alarm installation and circuits as applied to alarm systems. 45 hours lecture and 54 hours laboratory.Pass/No Pass Letter Grade (Same as ELC-425)									
32360	ELE-425	Lecture Lab		3.5	TTh TTh	03:00PM-04:05PM 04:15PM-05:30PM	JACT-7 JACT-7	J Lepore	01/18 - 05/16/24 01/18 - 05/16/24
The above course is part of a 5-year apprenticeship program. Interested students may apply to the Riverside and San Bernardino Joint Electrical Apprenticeship Training Committee. (909) 890-1703.									
ELE-499 Electrician Apprenticeship Work Experience Prerequisite: None Limitation on enrollment: Student must be a State indentured apprentice Description: This course provides students the opportunity to work in the electricians apprenticeship program for the purpose of developing specific skills to meet the goals and objectives of the electricians Joint Apprenticeship and Training Committee (J.A.T.C.). Students complete work experience hours at approved training sites. Students may take up to 16 units total across all work experience course offerings. This course may be taken up to four times when there are new or expanded learning objectives. Only one work experience course may be taken per semester. 60 hours of volunteer work experience (maximum of 240 hours) or 75 hours of paid work experience (maximum of 300 hours) are required for each enrolled unit. (Letter grade) (Same as ELC-499)									
32361	ELE-499	Lecture		1			ON-LINE	J Rowe	02/12 - 06/07/24
The above course is part of a 5-year apprenticeship program. Interested students may apply to the Riverside and San Bernardino Joint Electrical Apprenticeship Training Committee. (909) 890-1703.									
32362	ELE-499	Lecture		1			ON-LINE	J Rowe	02/12 - 06/07/24
The above course is part of a 5-year apprenticeship program. Interested students may apply to the Riverside and San Bernardino Joint Electrical Apprenticeship Training Committee. (909) 890-1703.									

## ENGINEERING

ENE-10	Intro to Engineering Prerequisite: None. Description: Explores the branches of engineering, the functions of an engineer, and the industries in which engineers work. Covers the engineering education pathways and explores effective strategies for students to reach their full academic potential. Presents an introduction to the methods and tools of engineering problem solving and design including the interface of the engineer with society and engineering ethics. Develops communication skills pertinent to the engineering profession. 54 hours lecture.(Letter Grade, or Pass/No Pass option.)								
32373	ENE-10	Lecture		3	M	10:00AM-01:10PM	IT-125	A Johnson	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									



SECT#	Course#	Instruction	ZTC/LTC	Units	Days	Time	Bldg-Room	Instructor	Dates
ENE-21		Drafting							
Prerequisite: None. Description: Fundamentals of Architectural and Mechanical Engineering drafting including lettering, instruments and their uses, geometric construction, types of projection, freehand drawing, sectioning, dimension, auxiliary views, and pictorial drawing. Recommended for beginners and students with up to one year of drafting in high school. 27 hours lecture and 81 hours laboratory. Same as DFT-21.(Letter Grade, or Pass/No Pass option)									
32374	ENE-21	Lecture		3			ON-LINE	F Mirzaei	02/12 - 06/07/24
		Lab			T	02:00PM-05:10PM	ATEC-109		02/12 - 06/07/24
		Lab					ON-LINE		02/12 - 06/07/24
The above section is a hybrid class. Computer with Internet access required. See www.rccd.edu/de									
ENE-30		Computer Aided Drafting (CAD)							
Prerequisite: None Advisory: CIS-1A Description: A two-dimensional computer aided drafting class for drafters. Students will use an AUTOCAD computer drafting system to develop "computer drawn" drawings, which are typical to the various fields of drafting. 27 hours lecture and 81 hours laboratory. Same as DFT-30. (Letter Grade, or Pass/No Pass option)									
32375	ENE-30	Lecture		3			ON-LINE	F Mirzaei	02/12 - 04/05/24
		Lab			T	06:00PM-09:10PM	ATEC-109		02/12 - 04/05/24
		Lab					ON-LINE		02/12 - 04/05/24
The above is a short term hybrid class; students must attend class in-person as scheduled. Please note the start and end dates. Computer with Internet access required. See www.rccd.edu/de									
ENE-35		Statics							
Prerequisite: PHY-4A and MAT-1A Description: A study of force and equilibrium problems; free body diagram techniques, friction problems, second moments and moments of inertia, and their application to engineering. Algebraic, vector and classical, and graphical methods of calculation. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)									
32376	ENE-35	Lecture		3	TTh	08:00AM-09:25AM	IT-125	A Johnson	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
ENE-39		Engineering Circuit Analysis							
Prerequisite: PHY-4B Corequisite: MAT-2 Description: An introduction to the analysis of electrical circuits. Use of analytical techniques based on the application of circuit laws and network theorems. Analysis of DC and AC circuits containing resistors, capacitors, inductors, dependent sources, operational amplifiers, and/or switches. Natural and forced responses of first and second order RLC circuits; the use of phasors; AC power calculations; power transfer; and energy concepts. 54 hours lecture and 54 hours laboratory.									
32377	ENE-39	Lecture		4	T	06:00PM-09:10PM	IT-125	S Chng	02/12 - 06/07/24
		Lab			Th	06:00PM-09:10PM	IT-125		02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
ENE-40		Material Science and Engineering							
Prerequisite: CHE-1A and PHY-4A Description: An introduction to the internal structure and resulting behaviors of materials used in engineering applications, including metals, ceramics, polymers, composites, and semi-conductors. Emphasis on developing the ability both to select appropriate materials to meet engineering design criteria and to understand the effects of heat, stress, imperfections, and chemical environments upon material properties and performance. Laboratories provide opportunities to directly observe the structures and behaviors discussed in the course, to operate testing equipment, to analyze experimental data, and to prepare reports. 54 hours lecture and 54 hours laboratory.									
32378	ENE-40	Lecture		4	MW	02:00PM-03:25PM	IT-125	B Curry	02/12 - 06/07/24
		Lab			MW	03:35PM-05:00PM	IT-125		02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
ENE-42		SolidWorks I							
Prerequisite: None Advisory: PC computer experience recommended Description: Introduces the student to three-dimensional parametric solid modeling with SolidWorks. Students will begin with basic parametric solid modeling techniques advancing into complex assemblies requiring animation. 27 hours lecture and 81 hours laboratory. Same as DFT-42. (Letter grade or Pass/No Pass option)									
32379	ENE-42	Lecture		3			ON-LINE	F Mirzaei	02/12 - 04/05/24
		Lab			W	06:00PM-09:10PM	ATEC-109		02/12 - 04/05/24
		Lab					ON-LINE		02/12 - 04/05/24
The above is a short term hybrid class; students must attend class in-person as scheduled. Please note the start and end dates. Computer with Internet access required. See www.rccd.edu/de									
ENE-51		Print Reading							
Prerequisite: None Advisory: ENE-21 or MAT-36 Description: A beginning course in the study of blueprints and their interpretation, types of projections, sections, symbols and abbreviations. This course is designed for students interested in engineering blueprint reading for the basic mechanical, electrical and machine trades. 27 hours lecture and 27 hours laboratory. Same as DFT-51. (Letter Grade, or Pass/No Pass option.)									
32382	ENE-51	Lecture		2			ON-LINE	C Keissieh	04/15 - 06/07/24
		Lab			F	06:00PM-08:05PM	ATEC-119		04/15 - 06/07/24
		Lab					ON-LINE		04/15 - 06/07/24
The above is a short term hybrid class; students must attend class in-person as scheduled. Please note the start and end dates. Computer with Internet access required. See www.rccd.edu/de									
ENE-62		Math for Automated Systems							
Prerequisite: None Description: Course concepts from arithmetic, algebra, geometry and scientific notation, extended and applied to problems in automation technology from electrical and mechanical engineering, including metal work, welding, and building energy systems. 54 hours lecture. Pass/No Pass Letter Grade.									
32383	ENE-62	Lecture		3	MW	08:00AM-09:25AM	IT-125	C Keissieh	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
<b>ENGLISH</b>									
ENG-1A		English Composition							
Prerequisite: ESL-50 or ENG-50 or ENG-80 or qualifying placement Description: Emphasizes skills in critical reading, and writing, including research. Integrated reading and writing assignments respond to various rhetorical situations. Students will produce a minimum of 7500 words of assessed writing. Classroom instruction integrates writing lab activities. Students may not receive credit for both ENG-1A and ENG-1AH. 72 hours lecture and 18 hours laboratory. (TBA option)(Letter Grade)									
32385	ENG-1A	Lecture	LTC	4	MW	07:45AM-09:00AM	IT-121	M Sloniger	02/12 - 06/07/24
		Lab					ON-LINE		02/12 - 06/07/24
							ON-LINE		02/12 - 06/07/24
The above hybrid class has an 18-hour laboratory requirement to be completed online. Students must attend class in-person as scheduled. Computer with Internet access required. See www.rccd.edu/de									
32386	ENG-1A	Lecture	LTC	4	MW	09:15AM-10:30AM	IT-121	M Sloniger	02/12 - 06/07/24
							ON-LINE		02/12 - 06/07/24
		Lab					ON-LINE		02/12 - 06/07/24
The above hybrid section requires concurrent enrollment in ENG-91-32470 and has an 18-hour laboratory requirement to be completed online. Students must attend class in-person as scheduled. Computer with Internet access required. See www.rccd.edu/de									

SECT#	Course#	Instruction	ZTC/LTC	Units	Days	Time	Bldg-Room	Instructor	Dates
32387	ENG-1A	Lecture	LTC	4	MW	01:00PM-02:15PM	IT-121	M Sloniger	02/12 - 06/07/24
		Lab					ON-LINE		02/12 - 06/07/24
							ON-LINE		02/12 - 06/07/24
The above hybrid section requires concurrent enrollment in ENG-91-32471 and has an 18-hour laboratory requirement to be completed online. Students must attend class in-person as scheduled. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
32388	ENG-1A	Lecture	ZTC	4	MW	04:15PM-05:30PM	IT-121	G Flores	02/12 - 06/07/24
		Lab					ON-LINE		02/12 - 06/07/24
							ON-LINE		02/12 - 06/07/24
The above hybrid class has an 18-hour laboratory requirement to be completed online. Students must attend class in-person as scheduled. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
32390	ENG-1A	Lecture		4	TTh	02:00PM-04:05PM	LIBR-121	K Johnson-Jimenez	02/12 - 06/07/24
		Lab					ON-LINE		02/12 - 06/07/24
The above section has reading and writing assignments centered on the African American experience and is intended for students in the Umoja program. See the Umoja counselor (Darnell.Bing@norccollege.edu) prior to enrolling. The above hybrid section requires concurrent enrollment in ENG 91-32466. ENG 91 is a co-requisite support course designed to offer extra support and class time for students to complete ENG 1A in a single term. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
32391	ENG-1A	Lecture	ZTC	4			ON-LINE	J Gianunzio	02/12 - 06/07/24
		Lab					ON-LINE		02/12 - 06/07/24
The above hybrid class has an 18-hour laboratory requirement to be completed online. Students must attend class in-person as scheduled. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
32392	ENG-1A	Lecture	ZTC	4	MW	07:45AM-09:00AM	CACT-1	D Mattson	02/12 - 06/07/24
		Lab					ON-LINE		02/12 - 06/07/24
							ON-LINE		02/12 - 06/07/24
The above hybrid class has an 18-hour laboratory requirement to be completed online. Students must attend class in-person as scheduled. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
32393	ENG-1A	Lecture	LTC	4	MW	11:15AM-12:30PM	CACT-1	A Allport	02/12 - 06/07/24
		Lab					ON-LINE		02/12 - 06/07/24
							ON-LINE		02/12 - 06/07/24
The above hybrid section requires concurrent enrollment in ENG-91-32472 and has an 18-hour laboratory requirement to be completed online. Students must attend class in-person as scheduled. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
32394	ENG-1A	Lecture	LTC	4	MW	02:45PM-04:00PM	CACT-1	L Winterton	02/12 - 06/07/24
		Lab					ON-LINE		02/12 - 06/07/24
							ON-LINE		02/12 - 06/07/24
The above hybrid class has an 18-hour laboratory requirement to be completed online. Students must attend class in-person as scheduled. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
32395	ENG-1A	Lecture		4	TTh	07:20AM-09:25AM	IT-206	N Morford	02/12 - 06/07/24
		Lab					ON-LINE		02/12 - 06/07/24
							ON-LINE		02/12 - 06/07/24
The above hybrid class has an 18-hour laboratory requirement to be completed online. Students must attend class in-person as scheduled. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
32398	ENG-1A	Lecture		4			ON-LINE	D Samson	02/12 - 06/07/24
		Lab					ON-LINE		02/12 - 06/07/24
The above online section requires concurrent enrollment in ENG-91-32473. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
32399	ENG-1A	Lecture		4	TTh	09:40AM-11:45AM	IT-121	A Elizalde	02/12 - 06/07/24
		Lab					ON-LINE		02/12 - 06/07/24
The above hybrid section requires concurrent enrollment in ENG-91-32468 and has an 18-hour laboratory requirement to be completed online. Students must attend class in-person as scheduled. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
32400	ENG-1A	Lecture		4			ON-LINE	T Comstock	02/12 - 06/07/24
		Lab					ON-LINE		02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
32401	ENG-1A	Lecture	LTC	4	Th	07:20AM-09:25AM	CACT-1	T Comstock	02/12 - 06/07/24
		Lab					ON-LINE		02/12 - 06/07/24
							ON-LINE		02/12 - 06/07/24
The above hybrid class has an 18-hour laboratory requirement to be completed online. Students must attend class in-person as scheduled. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
32402	ENG-1A	Lecture	LTC	4	Th	09:40AM-11:45AM	CACT-1	T Comstock	02/12 - 06/07/24
		Lab					ON-LINE		02/12 - 06/07/24
							ON-LINE		02/12 - 06/07/24
The above hybrid class has an 18-hour laboratory requirement to be completed online. Students must attend class in-person as scheduled. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
32403	ENG-1A	Lecture		4	TTh	02:00PM-04:05PM	CACT-1	A Elizalde	02/12 - 06/07/24
		Lab					ON-LINE		02/12 - 06/07/24
The above hybrid class has an 18-hour laboratory requirement to be completed online. Students must attend class in-person as scheduled. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
32404	ENG-1A	Lecture	LTC	4			ON-LINE	T Comstock	02/12 - 06/07/24
		Lab					ON-LINE		02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
32405	ENG-1A	Lecture		4			ON-LINE	A Elizalde	02/12 - 06/07/24
		Lab					ON-LINE		02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
32406	ENG-1A	Lecture	ZTC	4			ON-LINE	S Camacho	02/12 - 06/07/24
		Lab					ON-LINE		02/12 - 06/07/24
The above online section requires concurrent enrollment in ENG-91-32467. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
32407	ENG-1A	Lecture	ZTC	4	TTh	04:15PM-06:20PM	IT-206	J Reed	02/12 - 06/07/24
		Lab					ON-LINE		02/12 - 06/07/24
The above hybrid class has an 18-hour laboratory requirement to be completed online. Students must attend class in-person as scheduled. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
32408	ENG-1A	Lecture	ZTC	4	TTh	06:30PM-08:35PM	IT-206	R Hitch	02/12 - 06/07/24
		Lab					ON-LINE		02/12 - 06/07/24

The above hybrid class has an 18-hour laboratory requirement to be completed online. Students must attend class in-person as scheduled. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

SECT#	Course#	Instruction	ZTC/LTC	Units	Days	Time	Bldg-Room	Instructor	Dates
32410	ENG-1A	Lecture Lab	ZTC	4			ON-LINE ON-LINE	S Camacho	02/12 - 06/07/24 02/12 - 06/07/24
The above online section requires concurrent enrollment in ENG-91-32469. Computer with Internet access required. See www.rccd.edu/de									
32412	ENG-1A	Lecture Lab	LTC	4			ON-LINE ON-LINE	C Brownell	02/12 - 04/05/24 02/12 - 04/05/24
The above section is a short term online class. Please note the start and end dates. Computer with Internet access required. See www.rccd.edu/de									
32413	ENG-1A	Lecture Lab	ZTC	4			ON-LINE ON-LINE	R Mansikka	02/12 - 04/05/24 02/12 - 04/05/24
The above section is a short term online class. Please note the start and end dates. Computer with Internet access required. See www.rccd.edu/de									
32414	ENG-1A	Lecture Lab		4			ON-LINE ON-LINE	T Wallace	02/12 - 04/05/24 02/12 - 04/05/24
The above section is a short term online class. Please note the start and end dates. Computer with Internet access required. See www.rccd.edu/de									
32416	ENG-1A	Lecture Lab	ZTC	4			ON-LINE ON-LINE	J Gianunzio	04/15 - 06/07/24 04/15 - 06/07/24
The above section is a short term online class. Please note the start and end dates. Computer with Internet access required. See www.rccd.edu/de									
32417	ENG-1A	Lecture Lab		4			ON-LINE ON-LINE	J Hill	04/15 - 06/07/24 04/15 - 06/07/24
The above section is a short term online class. Please note the start and end dates. Computer with Internet access required. See www.rccd.edu/de									
32418	ENG-1A	Lecture Lab	LTC	4			ON-LINE ON-LINE	C Brownell	04/15 - 06/07/24 04/15 - 06/07/24
The above section is a short term online class. Please note the start and end dates. Computer with Internet access required. See www.rccd.edu/de									
32419	ENG-1A	Lecture Lab		4			ON-LINE ON-LINE	N Morford	02/12 - 06/07/24 02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
32420	ENG-1A	Lecture Lab		4			ON-LINE ON-LINE	N Morford	02/12 - 06/07/24 02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
32423	ENG-1A	Lecture Lab	ZTC	4	S	08:00AM-10:00AM	IT-121 ON-LINE ON-LINE	R Sarinas	02/12 - 06/07/24 02/12 - 06/07/24 02/12 - 06/07/24
The above section is a hybrid class and will only meet on the following dates: 2/24/24, 3/9/24, 3/23/24, 4/6/24, 4/20/24, 5/4/24, 5/18/24 and 6/1/24. Computer with Internet access required. See https://rccd.edu/de									
33082	ENG-1A	Lecture Lab	ZTC	4	Th	02:00PM-04:05PM	IT-206 ON-LINE ON-LINE	J Reed	02/12 - 06/07/24 02/12 - 06/07/24 02/12 - 06/07/24
The above hybrid class has an 18-hour laboratory requirement to be completed online. Students must attend class in-person as scheduled. Computer with Internet access required. See www.rccd.edu/de									
33149	ENG-1A	Lecture Lab		4			CUSD-ONLN CUSD-ONLN	S Hicks	02/12 - 06/07/24 02/12 - 06/07/24
The above section is restricted to the CNUSD High School students participating in Norco College's Dual Enrollment Program. The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
33150	ENG-1A	Lecture Lab	ZTC	4			CUSD-ONLN CUSD-ONLN	A Marquez	02/12 - 06/07/24 02/12 - 06/07/24
The above section is restricted to the CNUSD High School students participating in Norco College's Dual Enrollment Program. The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
34326	ENG-1A	Lecture Lab	ZTC	4			ON-LINE ON-LINE	B Alhoch	04/15 - 06/07/24 04/15 - 06/07/24
The above section is a short term online class. Please note the start and end dates. Computer with Internet access required. See www.rccd.edu/de									
34327	ENG-1A	Lecture Lab	ZTC	4			ON-LINE ON-LINE	K Cordova	04/15 - 06/07/24 04/15 - 06/07/24
The above section is a short term online class. Please note the start and end dates. Computer with Internet access required. See www.rccd.edu/de									
34342	ENG-1A	Lecture Lab	ZTC	4			ON-LINE ON-LINE	R Miller	04/15 - 06/07/24 04/15 - 06/07/24
The above section is a short term online class. Please note the start and end dates. Computer with Internet access required. See www.rccd.edu/de									
34343	ENG-1A	Lecture Lab	ZTC	4			ON-LINE ON-LINE	B Alhoch	04/15 - 06/07/24 04/15 - 06/07/24
The above section is a short term online class. Please note the start and end dates. Computer with Internet access required. See www.rccd.edu/de									
<b>ENG-1B Critical Thinking and Writing</b>									
<b>Prerequisite:</b> ENG-1A or ENG-1AH <b>Description:</b> Students will critically read diverse literary texts in order to compose inquiry-driven writing. Students will write a minimum of 7500 words of assessed writing. Classroom instruction integrates writing lab activities. Students may not receive credit for both ENG-1B and 1BH. 72 hours lecture and 18 hours laboratory. (TBA option) (Letter grade)									
32425	ENG-1B	Lecture Lab		4	TTh	09:40AM-11:45AM	LIBR-121 ON-LINE	K Johnson-Jimenez	02/12 - 06/07/24 02/12 - 06/07/24
The above hybrid section has reading and writing assignments centered on the African American experience and is intended for students in the Umoja program. See the Umoja counselor (Darnell.bing@norcocollege.edu) prior to enrolling. Concurrent enrollment in GUI-46 32534 is required. Computer with Internet access required. See www.rccd.edu/de									
32427	ENG-1B	Lecture Lab		4			ON-LINE ON-LINE	C Young	02/12 - 06/07/24 02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
32428	ENG-1B	Lecture Lab		4	MW	06:30PM-08:35PM	IT-206 ON-LINE	G Flores	02/12 - 06/07/24 02/12 - 06/07/24
The above hybrid class has an 18-hour laboratory requirement to be completed online. Students must attend class in-person as scheduled. Computer with Internet access required. See www.rccd.edu/de									

SECT#	Course#	Instruction	ZTC/LTC	Units	Days	Time	Bldg-Room	Instructor	Dates
32429	ENG-1B	Lecture	ZTC	4	T	09:40AM-11:45AM	CACT-1	S Camacho	02/12 - 06/07/24
		Lab					ON-LINE		02/12 - 06/07/24
							ON-LINE		02/12 - 06/07/24
The above hybrid section is centered on the Men of Color experience and is intended for students in the Men of Color Scholars Program. See the Men of Color Scholar counselor (daniel.grajeda@rccd.edu) prior to enrolling. The above hybrid class has an 18-hour laboratory requirement to be completed online. Students must attend class in-person as scheduled. Computer with Internet access required. See www.rccd.edu/de									
32430	ENG-1B	Lecture	LTC	4	MW	09:15AM-10:30AM	CACT-1	A Moore	02/12 - 06/07/24
		Lab					ON-LINE		02/12 - 06/07/24
							ON-LINE		02/12 - 06/07/24
The above hybrid class has an 18-hour laboratory requirement to be completed online. Students must attend class in-person as scheduled. Computer with Internet access required. See www.rccd.edu/de									
32431	ENG-1B	Lecture	LTC	4	MW	01:00PM-02:15PM	CACT-1	A Moore	02/12 - 06/07/24
		Lab					ON-LINE		02/12 - 06/07/24
							ON-LINE		02/12 - 06/07/24
The above hybrid class has an 18-hour laboratory requirement to be completed online. Students must attend class in-person as scheduled. Computer with Internet access required. See www.rccd.edu/de									
32432	ENG-1B	Lecture		4	TTh	07:20AM-09:25AM	IT-121	C Young	02/12 - 06/07/24
		Lab					ON-LINE		02/12 - 06/07/24
The above section is a hybrid class and has an 18-hour laboratory requirement to be completed online. Computer with Internet access required. See www.rccd.edu/de.									
32433	ENG-1B	Lecture	LTC	4	T	02:00PM-04:05PM	IT-121	M Pelle	02/12 - 06/07/24
		Lab					ON-LINE		02/12 - 06/07/24
							ON-LINE		02/12 - 06/07/24
The above hybrid class has an 18-hour laboratory requirement to be completed online. Students must attend class in-person as scheduled. Computer with Internet access required. See www.rccd.edu/de									
32434	ENG-1B	Lecture	LTC	4	Th	02:00PM-04:05PM	IT-121	M Pelle	02/12 - 06/07/24
		Lab					ON-LINE		02/12 - 06/07/24
							ON-LINE		02/12 - 06/07/24
The above section is a hybrid class and has an 18-hour laboratory requirement to be completed online. Computer with Internet access required. See www.rccd.edu/de.									
32435	ENG-1B	Lecture	LTC	4	TTh	06:30PM-08:35PM	IT-121	R Marsh	02/12 - 06/07/24
		Lab					ON-LINE		02/12 - 06/07/24
The above hybrid class has an 18-hour laboratory requirement to be completed online. Students must attend class in-person as scheduled. Computer with Internet access required. See www.rccd.edu/de									
32436	ENG-1B	Lecture	LTC	4			ON-LINE	S Hicks	04/15 - 06/07/24
		Lab					ON-LINE		04/15 - 06/07/24
The above section is a short term online class. Please note the start and end dates. Computer with Internet access required. See www.rccd.edu/de									
32437	ENG-1B	Lecture	ZTC	4	T	02:00PM-04:05PM	IT-206	A Allport	02/12 - 06/07/24
		Lab					ON-LINE		02/12 - 06/07/24
							ON-LINE		02/12 - 06/07/24
The above hybrid class has an 18-hour laboratory requirement to be completed online. Students must attend class in-person as scheduled. Computer with Internet access required. See www.rccd.edu/de									
32438	ENG-1B	Lecture	LTC	4			ON-LINE	A Moore	02/12 - 06/07/24
		Lab					ON-LINE		02/12 - 06/07/24
The above section is a short term online class. Computer with Internet access required. See www.rccd.edu/de Please note the start and end dates.									
32439	ENG-1B	Lecture		4			ON-LINE	C Young	02/12 - 06/07/24
		Lab					ON-LINE		02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
32440	ENG-1B	Lecture	ZTC	4			ON-LINE	R Hitch	02/12 - 06/07/24
		Lab					ON-LINE		02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
32441	ENG-1B	Lecture	ZTC	4			ON-LINE	D Mattson	02/12 - 06/07/24
		Lab					ON-LINE		02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
32442	ENG-1B	Lecture	LTC	4	TTh	04:15PM-06:20PM	IT-121	S Tkach	02/12 - 06/07/24
		Lab					ON-LINE		02/12 - 06/07/24
The above hybrid class has an 18-hour laboratory requirement to be completed online. Students must attend class in-person as scheduled. Computer with Internet access required. See www.rccd.edu/de									
32443	ENG-1B	Lecture		4			ON-LINE	J Dobson	02/12 - 06/07/24
		Lab					ON-LINE		02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
32445	ENG-1B	Lecture		4			ON-LINE	J Watson	02/12 - 06/07/24
		Lab					ON-LINE		02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
32446	ENG-1B	Lecture		4			JVHS-ONLN	R Mansikka	02/12 - 06/07/24
		Lab					JVHS-ONLN		02/12 - 06/07/24
The above section is restricted to Jurupa Valley High School students participating in Norco College's Dual Enrollment Program. The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
32447	ENG-1B	Lecture		4	TTh	08:00AM-10:05AM	IT-127	B Beirne	02/12 - 06/07/24
		Lab					ON-LINE		02/12 - 06/07/24
The above section will have reading and writing assignments focusing on the Chicano experience and is designed for students in the Puente Program. See the instructor and the Puente counselor, (Yolanda.Haro@rccdedu) prior to enrolling. Computer with Internet access required. See www.rccd.edu/de.									
32448	ENG-1B	Lecture		4			ON-LINE	J Dobson	04/15 - 06/07/24
		Lab					ON-LINE		04/15 - 06/07/24
The above section is a short term online class. Please note the start and end dates. Computer with Internet access required. See www.rccd.edu/de									
32449	ENG-1B	Lecture	LTC	4			ON-LINE	K Johnson-Jimenez	04/15 - 06/07/24
		Lab					ON-LINE		04/15 - 06/07/24
The above section is a short term online class. Please note the start and end dates. Computer with Internet access required. See www.rccd.edu/de									

SECT#	Course#	Instruction	ZTC/LTC	Units	Days	Time	Bldg-Room	Instructor	Dates
32450	ENG-1B	Lecture Lab	LTC	4			ON-LINE ON-LINE	D Reade	02/12 - 03/22/24 02/12 - 03/22/24
The above short-term online section is for students participating in the Mustang Track program and requires concurrent enrollment in COM-1-37239 and PSY-1-37944. Computer with internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
32451	ENG-1B	Lecture Lab	LTC	4			ON-LINE ON-LINE	D Reade	04/15 - 06/07/24 04/15 - 06/07/24
The above section is a short term online class. Please note the start and end dates. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
32453	ENG-1B	Lecture Lab	LTC	4			ON-LINE ON-LINE	C Young	02/12 - 06/07/24 02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
33179	ENG-1B	Lecture Lab		4			CUSD-ONLN CUSD-ONLN	K Koester	02/12 - 06/07/24 02/12 - 06/07/24
The above section is restricted to High School students participating in Norco College's Dual Enrollment Program. The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
34318	ENG-1B	Lecture Lab		4			ON-LINE ON-LINE	K Koester	02/12 - 06/07/24 02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
34328	ENG-1B	Lecture Lab	LTC	4			ON-LINE ON-LINE	R Marsh	04/15 - 06/07/24 04/15 - 06/07/24
The above section is a short term online class. Please note the start and end dates. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
<b>ENG-1BH Honors Critical Thinking and Writing</b> Prerequisite: ENG-1A or ENG-1AH Limitation on enrollment: Enrollment in the Honors Program Description: Students will critically read diverse literary texts in order to compose inquiry-driven writing. Students will write a minimum of 7500 words of assessed writing. Classroom instruction integrates writing lab activities. This honors course offers an enriched experience for accelerated students through limited class size, seminar format, focus on primary texts, and application of higher level critical thinking skills. Students may not receive credit for both ENG-1B and 1BH. 72 hours lecture and 18 hours laboratory. (TBA option) (Letter grade)									
32454	ENG-1BH	Lecture Lab	LTC	4	TTh	09:40AM-11:45AM	IT-208 ON-LINE	L Hernandez	02/12 - 06/07/24 02/12 - 06/07/24
The above hybrid class has an 18-hour laboratory requirement to be completed online. Students must attend class in-person as scheduled. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
<b>ENG-4 Writing Tutor Training</b> Prerequisite: ENG-1A or ENG-1AH Description: Designed to prepare students to become peer tutors in the Writing Center. Participants learn specific tutoring techniques and discuss problems, questions, and challenges in tutoring writing. Tutors develop student-centered, non-intrusive tutoring skills that avoid appropriating the text (i.e., becoming a proofreader, editor, or co-author). Topics include theory and practice of tutoring writing, including writing as a process, interpersonal communication techniques, cross-cultural tutoring, group learning, and computer programs applicable to writing instruction. 27 hours lecture and 27 hours laboratory. (TBA option)									
32458	ENG-4	Lecture Lab	ZTC	2			ON-LINE ON-LINE	N Capps	02/26 - 06/07/24 02/26 - 06/07/24
The above section is an online class. In addition to online instruction, students are expected to complete in-person observations of tutoring sessions and synchronous online conferences with the instructor. Observation and conference times will be arranged with the instructor. Contact the instructor for additional information. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
<b>ENG-6 British Literature I: Anglo-Saxon through Eighteenth Century</b> Prerequisite: ENG-50 or ENG-80 or eligibility for ENG-1A Advisory: ENG-1B or ENG-1BH Description: A survey of British literature from the eighth century CE to 1800, including a comprehensive exposure to the poetry, drama, and fiction of this era as well as a basic understanding of the cultural, intellectual, and artistic trends it embodies. 54 hours lecture. (Letter Grade, or Pass/No Pass Option.)									
33081	ENG-6	Lecture		3	MW	11:10AM-12:35PM	IT-206	L Hernandez	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
<b>ENG-8 Introduction to Mythology</b> Prerequisite: NONE Advisory: ENG-1B or ENG-1BH and REA-83 Description: A study of Greco-Roman and other mythological traditions. Emphasizes the historical sources and cultural functions of myths and legends in ancient societies and their continuing relevance to modern thought and culture. 54 hours lecture. (Same as HUM-8)									
32463	ENG-8	Lecture		3	TTh	11:15AM-12:40PM	IT-206	D Reade	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
<b>ENG-15 American Literature II: 1865 to the Present</b> Prerequisite: Eligibility for college-level composition or qualifying placement for ENG 1A Advisory: ENG-1B or ENG-1BH Description: A survey of American literature from 1865 to the present, including a comprehensive exploration of the diverse prose, poetry, fiction, and drama of this era and a basic understanding of the cultural, intellectual and artistic trends it embodies, including various narrative threads and points of contention within and among diverse racial and cultural groups in America during this period. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)									
33072	ENG-15	Lecture		3	MW	09:15AM-10:40AM	IT-206	L Hernandez	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
<b>ENG-20 Survey of African American Literature</b> Prerequisite: None Advisory: ENG-1B or ENG-1BH Description: A survey of African American literature from the early oral tradition to the present. Includes a comprehensive exposure to African American prose, poetry, and fiction and an introduction to the social, intellectual and artistic trends of Native American culture and their relationship to contemporary literature. Students who have taken both ENG-21 and ENG-22 may not receive credit for ENG-20. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)									
32455	ENG-20	Lecture	LTC	3	W	02:30PM-03:55PM	LIBR-121 ON-LINE	K Johnson-Jimenez	02/26 - 06/07/24 02/26 - 06/07/24
The above section is a short term online class. Please note the start and end dates. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
<b>ENG-23 The Bible As Literature</b> 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. (Same as HUM-23) (Letter Grade, or Pass/No Pass Option.)									
32457	ENG-23	Lecture	ZTC	3	MW	11:10AM-12:35PM	ATEC-204	M Bobo	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
<b>ENG-44 Poetry from the Twentieth Century to the Present</b> Prerequisite: None Advisory: ENG-1B or ENG-1BH Description: The study of major voices and trends in poetry of the twentieth and twenty-first century, examining the cultural and artistic contexts from which this poetry emerged. Topics include poetic structure and development and thematic elements. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)									
32460	ENG-44	Lecture	ZTC	3			ON-LINE	C Young	02/26 - 06/07/24
The above section is a short term online class. Please note the start and end dates. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									



SECT#	Course#	Instruction	ZTC/LTC	Units	Days	Time	Bldg-Room	Instructor	Dates
ENG-45		Modern Drama							
Prerequisite: None Advisory: ENG-1B or ENG-1BH Description: A survey of drama from (roughly) 1870 to the present, including appraisal of modern theatrical movements, examination of dramas function as a form of creative expression, exploration of ideas, societal factors and technology that have influenced modern drama, and investigation into the practice of the playwright and dramaturge. (Letter Grade, or Pass/No Pass option.)									
33080	ENG-45	Lecture		3	MW	12:45PM-02:10PM	IT-206	S Camacho	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
ENG-91		Academic Support for English 1							
Prerequisite: None Corequisite: ENG-1A Description: Limited to students concurrently enrolled in a co-requisite English 1A class, English 91 provides students with additional support for English 1A. This 2-unit class offers additional instruction and practice in reading strategies, writing process, sentence craft, meta-cognitive reflection, and strategies for college success and using college resources. 36 hours lecture. (Non-degree credit course. Pass/No Pass only.)									
32466	ENG-91	Lecture		2			ON-LINE	K Johnson-Jimenez	02/12 - 06/07/24
The above online section has reading and writing assignments centered on the African American experience and is intended for students in the Umoja program. See the Umoja counselor prior to enrolling. The above online section requires concurrent enrollment in ENG-1A-32390. ENG-91 is a co-requisite support course designed to offer extra support and class time for students to complete ENG-1A in a single term. Computer with Internet access required. See www.rccd.edu/de									
32467	ENG-91	Lecture	ZTC	2			ON-LINE	S Camacho	02/12 - 06/07/24
The above section is an online class and requires concurrent enrollment in ENG-1A-32406. ENG 91 is a co-requisite support course designed to offer extra support and class time for students for students to complete ENG 1A in a single term. For more information please speak with your counselor. Computer with Internet access required. See www.rccd.edu/de.									
32468	ENG-91	Lecture		2	T Th	11:55AM-12:45PM 11:55AM-01:00PM	IT-121 IT-121	A Elizalde	02/12 - 06/07/24 02/12 - 06/07/24
The above section requires concurrent enrollment in ENG-1A-32399. ENG-91 is a co-requisite support course designed to offer extra support and class time for students to complete ENG-1A in a single term. For more information please speak with your counselor. Canvas and other online applications may be required to complete coursework.									
32469	ENG-91	Lecture		2			ON-LINE	S Camacho	02/12 - 06/07/24
The above section is an online class and requires concurrent enrollment in ENG-1A-32410. ENG 91 is a co-requisite support course designed to offer extra support and class time for students for students to complete ENG 1A in a single term. For more information please speak with your counselor. Computer with Internet access required. See www.rccd.edu/de.									
32470	ENG-91	Lecture	LTC	2	M W	10:40AM-11:30AM 10:40AM-11:45AM	IT-121 IT-121	M Sloniger	02/12 - 06/07/24 02/12 - 06/07/24
The above section requires concurrent enrollment in ENG-1A-32386. ENG 91 is a co-requisite support course designed to offer extra support and class time for students for students to complete ENG 1A in a single term. For more information please speak with your counselor. Canvas and other online applications may be required to complete coursework.									
32471	ENG-91	Lecture	LTC	2	M W	02:25PM-03:15PM 02:25PM-03:30PM	IT-121 IT-121	M Sloniger	02/12 - 06/07/24 02/12 - 06/07/24
The above section requires concurrent enrollment in ENG-1A-32387. ENG-91 is a co-requisite support course designed to offer extra support and class time for students to complete ENG-1A in a single term. For more information please speak with your counselor. Canvas and other online applications may be required to complete coursework.									
32472	ENG-91	Lecture		2			ON-LINE	A Allport	02/12 - 06/07/24
The above online section requires concurrent enrollment in ENG-1A-32393. ENG-91 is a co-requisite support course designed to offer extra support and class time for students to complete ENG-1A in a single term. For more information please speak with your counselor. Computer with Internet access required. See www.rccd.edu/de									
32473	ENG-91	Lecture	ZTC	2			ON-LINE	D Samson	02/12 - 06/07/24
The above online section requires concurrent enrollment in ENG-1A-32398. ENG-91 is a co-requisite support course designed to offer extra support and class time for students to complete ENG-1A in a single term. For more information please speak with your counselor. Computer with Internet access required. See www.rccd.edu/de									

## ENGLISH AS A SECOND LANGUAGE

ESL-46		Beginning American College English							
Prerequisite: None Advisory: Students should be aware that courses are taught in English. Description: Designed for non-native speakers of English. Develops writing, reading, and oral language expression in academic American English language at beginning level to prepare students to enter ESL 47. Students will produce a minimum of 1,000 words of instructor-evaluated writing with an emphasis on academic paragraph writing in response to reading. 90 hours lecture. (Letter Grade or Pass/No Pass Option.)									
32484	ESL-46	Lecture		5	MW	06:30PM-09:00PM	IT-211	L Tougas	02/12 - 06/07/24
ESL-47		Low-Intermediate American College English							
Prerequisite: ESL-46 or ESL-846 or qualifying placement. Description: Designed for non-native speakers of English. Develops writing, reading, and oral language expression in academic American English language at a low-intermediate level to prepare students to enter ESL 48. Students will produce a minimum of 1,750 words of instructor-evaluated writing with an emphasis on academic paragraph writing in response to reading. 90 hours lecture. (Letter Grade or Pass/No Pass Option.)									
32485	ESL-47	Lecture		5	MW	06:30PM-09:00PM	IT-121	D Tougas	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de.									
ESL-48		Intermediate American College English							
Prerequisite: ESL-47 or ESL-847 or qualifying placement. Description: Designed for non-native speakers of English. Develops writing reading, and oral language expression in academic American English language at an intermediate level to prepare students to enter ESL 49. Students will produce a minimum of 3,000 instructor-evaluated writing with an emphasis on basic essay writing in response to reading. Classroom instruction integrates writing lab activities. 90 hours lecture and 18 hours laboratory. (TBA option) Letter Grade.									
32486	ESL-48	Lecture		5			ON-LINE	M Shirinian	02/12 - 06/07/24
		Lab					ON-LINE		02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
ESL-49		High-Intermediate American College English							
Prerequisite: ESL-48 or ESL-848 or qualifying placement. Description: Designed for non-native speakers of English. Develops writing, reading, and oral language expression in academic American English language at an intermediate level to prepare students to enter ESL 50. Students will produce a minimum of 4,500 words of instructor-evaluated writing with an emphasis on essay writing in response to reading. Classroom instruction integrates writing lab activities. 90 hours lecture and 18 hours laboratory. (TBA option) Letter Grade.									
32487	ESL-49	Lecture		5	TTh	09:15AM-10:50AM	IT-211	M Shirinian	02/12 - 06/07/24
							ON-LINE		02/12 - 06/07/24
		Lab					ON-LINE		02/12 - 06/07/24
The above section is a hybrid class; students must attend class in-person as scheduled. Computer with Internet access required. See www.rccd.edu/de									
ESL-50		Advanced American College English							
Prerequisite: ESL-49 or ESL-849 or qualifying placement. Description: Designed for non-native speakers of English. Develops writing, reading, and oral language expression in academic American English language at an advanced level to prepare students to enter English 1A. Students will produce a minimum of 6,000 words of instructor-evaluated writing with an emphasis on expository essay writing in response to advanced readings from various sources and a novel. Classroom instruction integrates writing lab activities. 90 hours lecture and 18 hours laboratory. (TBA option) (Letter grade only)									

SECT#	Course#	Instruction	ZTC/LTC	Units	Days	Time	Bldg-Room	Instructor	Dates
32488	ESL-50	Lecture		5	TTh	10:55AM-12:30PM	IT-211	M Shirinian	02/12 - 06/07/24
		Lab					ON-LINE ON-LINE		02/12 - 06/07/24 02/12 - 06/07/24
The above section is a hybrid class; students must attend class in-person as scheduled. Computer with Internet access required. See www.rccd.edu/de									

**ESL-91** Oral Skills I: Beginning Oral Communication  
 Prerequisite: None Advisory: ESL-46 or ESL-846 (qualification or concurrent enrollment) Description: This course emphasizes beginning conversation, pronunciation, and idiomatic skills along with basic listening comprehension. Conversational and idiomatic skills focus on fluent and appropriate use of common words and functional expressions in life skills areas--shopping, food, clothing, money/banking, car/license, travel, medicine. Pronunciation focuses on the articulation of English vowels and consonants and on the development of basic English patterns of stress and intonation. Listening stresses understanding verbal instructions and questions, common vocabulary and daily functions in an aural context, main ideas and details in monologues and dialogues. 54 hours lecture and 18 hours laboratory. (Non-degree credit course. Pass/No Pass only.)

33065	ESL-91	Lecture		3			ON-LINE	M Shirinian	02/12 - 06/07/24
		Lab					ON-LINE		02/12 - 06/07/24

The above section is an online class. Computer with Internet access required. See www.rccd.edu/de

## ENTREPRENEURSHIP

**ENP-50** Introduction to Entrepreneurship  
 Prerequisite: None Description: Designed for those interested in starting their own business, either as their primary income or extra income, including individual contributor businesses such as freelancers, contractors, consultants, and others in the gig economy. The curriculum is centered on three key aspects of entrepreneurship: 1) the individual, their traits, skills, and attributes that make entrepreneurs successful, 2) the business ideas, how to generate them, where to look for them, how to expand them, and 3) how to ensure they are valid business ideas with potential to meet profit goals. These elements, developed in the course, will assist any current or potential entrepreneur develop and grow a business now or in the future. 54 hours lecture. (Letter grade only)

32478	ENP-50	Lecture		3			CUSD-ONLN	A Martin	02/12 - 06/07/24
-------	--------	---------	--	---	--	--	-----------	----------	------------------

The above is an online class and is restricted to the CNUSD High School students participating in Norco College's Dual Enrollment Program. Computer with Internet access required. See www.rccd.edu/de

32480	ENP-50	Lecture		3			CUSD-ONLN	A Martin	02/12 - 06/07/24
-------	--------	---------	--	---	--	--	-----------	----------	------------------

The above is an online class and is restricted to the CNUSD High School students participating in Norco College's Dual Enrollment Program. Computer with Internet access required. See www.rccd.edu/de

## ETHNIC STUDIES

**ETS-1** Introduction to Ethnic Studies  
 Prerequisite: None. Description: An introduction to the academic discipline of Ethnic Studies. Ethnic Studies is unique as an educational experience that defines and redefines the lives of people of color from their own perspectives. This course is an intersectional investigation that focuses on the histories, cultures and experiences of African Americans, Latinx peoples, Asian American and Pacific Islander, Indigenous peoples of America, and Middle Eastern and Arab American. Additionally, this course shall explore the work of key theorists of race, ethnicity, de-colonization and futurity whose work and ideas have formed the basis of the discipline. This course is in dialogue with the creative historical work of social movements, cultural and artistic productions, legal and public policy activisms, indigenous and liberationist epistemologies, community and identity formation, and radical social and political thought. This course emphasizes ideologies of resistance, persistence, liberation struggle, and radical knowledge production that both confront and transform oppressive conditions and create new possibilities for social change. (Letter grade only)

32495	ETS-1	Lecture		3			ON-LINE	N Quinones	02/12 - 06/07/24
-------	-------	---------	--	---	--	--	---------	------------	------------------

The above section is an online class. Computer with Internet access required. See www.rccd.edu/de

32496	ETS-1	Lecture		3	TTh	11:15AM-12:40PM	IT-108	N Quinones	02/12 - 06/07/24
-------	-------	---------	--	---	-----	-----------------	--------	------------	------------------

Canvas and other online applications may be required to complete coursework.

32497	ETS-1	Lecture		3	MW	09:40AM-11:05AM	HUM-111	N Quinones	02/12 - 06/07/24
-------	-------	---------	--	---	----	-----------------	---------	------------	------------------

Canvas and other online applications may be required to complete coursework.

33210	ETS-1	Lecture		3			ON-LINE	N Quinones	02/12 - 06/07/24
-------	-------	---------	--	---	--	--	---------	------------	------------------

The above section is an online class. Computer with Internet access required. See www.rccd.edu/de

**ETS-2** Introduction to Chicana/O/X Studies  
 Prerequisite: None Description: A survey of intersectional and interdisciplinary approaches to introduce students to the range of issues, experiences, and methodologies that form the foundation of Chicana and Latinx Studies. By considering the relationship between the creation of "Chicana", "Latinx" and "American" identities, students will critically reconsider the borders that constitute the U.S. as a political and cultural formation. The course balances depth and breadth in its study of the variety of perspectives and experiences that come to be associated with U.S. Chicana and Latinx peoples. Thus, we will analyze the histories of migration and colonialism associated with predominant U.S. Latinx sub-groups, such as Mexican Americans/Chicana people and Puerto Ricans, while also centering considerations of the ways in which broader populations with ties to Central America, South America, and the Caribbean play crucial roles in constituting Latinidad. Topics include the U.S./Mexico border and borderlands; immigration, migration, and diaspora; literary and cultural traditions; music and expressive practices; labor and structural inequality; social movements; Latinx urbanism; gender and sexuality; political and economic shifts; inter- and intra-group relations; and indigeneity and Blackness in Latinidad. Sources include a range of social science and humanities scholarship. 54 hours lecture. (Same as HIS-31)

32498	ETS-2	Lecture		3			ON-LINE	N Quinones	02/12 - 06/07/24
-------	-------	---------	--	---	--	--	---------	------------	------------------

The above section is an online class. Computer with Internet access required. See www.rccd.edu/de

33238	ETS-2	Lecture		3			CUSD-ONLN	N Quinones	02/12 - 06/07/24
-------	-------	---------	--	---	--	--	-----------	------------	------------------

The above section is restricted to the High School students participating in Norco College's Dual Enrollment Program. This section is an online class. Computer with Internet access required. See www.rccd.edu/de

**ETS-8** Introduction to Black Feminism  
 Prerequisite: None. Description: An interdisciplinary, multi-perspective, critical analysis, and comparative study of Black Feminism. Students will examine some of the key theories and ideas of Black Feminism and Black Feminist Thought, including womanist theory, the theory of intersectionality, and standpoint theory. The course will consider how Black women have challenged the intersecting effects of racism, sexism, classism, colonialism, homophobia, media exploitation, and other forms of social violence. Students will read major works, learn to engage in critical dialogue, and articulate their own positions concerning the basic ideas and principles of Black Feminism. The values, experience, and cultural contributions of Black feminist and/or Black womanist individuals in the United States will be identified, examined, and authenticated. 54 hours lecture. (Letter grade only)

32500	ETS-8	Lecture		3			ON-LINE	N Quinones	02/12 - 06/07/24
-------	-------	---------	--	---	--	--	---------	------------	------------------

The above section is an online class. Computer with Internet access required. See www.rccd.edu/de

## FRENCH

**FRE-1** French 1  
 Prerequisite: None. Description: Develops basic skills in listening, reading, speaking, and writing. Emphasis on acquisition of vocabulary, structures, and grammatical patterns necessary for comprehension of native spoken and written French at the beginning level. Includes discussion of French culture and daily life. 90 hours lecture and 18 hours laboratory. (TBA option) (Letter Grade, or Pass/No Pass option.)

SECT#	Course#	Instruction	ZTC/LTC	Units	Days	Time	Bldg-Room	Instructor	Dates
32501	FRE-1	Lecture		5			ON-LINE	A Smith	02/12 - 06/07/24
		Lab					ON-LINE		02/12 - 06/07/24

The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

## GAME DEVELOPMENT

### GAM-1 Business of Video Games

Prerequisite: None Description: An introduction to the field of game development. Students will explore the job market, career paths and business aspects of game development professionals. 54 hours lecture.

32502	GAM-1	Lecture		3			ON-LINE	R Bourbeau	02/12 - 06/07/24
-------	-------	---------	--	---	--	--	---------	------------	------------------

The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de).

32503	GAM-1	Lecture		3	T	08:00AM-09:25AM	STEM-115 ON-LINE	J Finley	02/12 - 06/07/24 02/12 - 06/07/24
-------	-------	---------	--	---	---	-----------------	---------------------	----------	--------------------------------------

The above section is a hybrid class. Computer with Internet access is required. See [www.rccd.edu/de](http://www.rccd.edu/de).

33248	GAM-1	Lecture		3			CUSD-ONLN	R Bourbeau	02/12 - 06/07/24
-------	-------	---------	--	---	--	--	-----------	------------	------------------

The above section is restricted to the High School students participating in Norco College's Dual Enrollment Program. This section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

### GAM-2 History of Video Games (formerly Gam-21)

Prerequisite: None Description: A comprehensive study of the evolution of video games, including their technological and artistic antecedents, with analysis of how video games reflect the beliefs, aspirations and values of the cultures where they flourish. Study includes gameplay experience and analysis of notable game genres, identifying significant artistic and technological innovations. 54 hours lecture. (Letter grade)

32504	GAM-2	Lecture		3	Th	08:00AM-09:25AM	STEM-115 ON-LINE	J Finley	02/12 - 06/07/24 02/12 - 06/07/24
-------	-------	---------	--	---	----	-----------------	---------------------	----------	--------------------------------------

The above section is a hybrid class. Computer with Internet access is required. See [www.rccd.edu/de](http://www.rccd.edu/de).

32505	GAM-2	Lecture		3			ON-LINE	J Finley	02/12 - 06/07/24
-------	-------	---------	--	---	--	--	---------	----------	------------------

The above section is restricted to [high school name] students participating in [College's Dual Enrollment Program]. This section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

32506	GAM-2	Lecture		3			ON-LINE	J Finley	02/12 - 06/07/24
-------	-------	---------	--	---	--	--	---------	----------	------------------

The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de).

33249	GAM-2	Lecture		3			CUSD-ONLN	J Finley	02/12 - 06/07/24
-------	-------	---------	--	---	--	--	-----------	----------	------------------

The above section is restricted to the High School students participating in Norco College's Dual Enrollment Program. This section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

### GAM-3A Game Design

Prerequisite: None Description: An introduction to the fundamental techniques, concepts, vocabulary, and practical application of these skills towards the discipline of game design. 54 hours lecture.

32508	GAM-3A	Lecture		3	T	09:40AM-11:05AM	STEM-115 ON-LINE	D Capps	02/12 - 06/07/24 02/12 - 06/07/24
-------	--------	---------	--	---	---	-----------------	---------------------	---------	--------------------------------------

The above section is a hybrid class. Computer with Internet access is required. See [www.rccd.edu/de](http://www.rccd.edu/de).

33083	GAM-3A	Lecture		3			ON-LINE	R Bourbeau	02/12 - 06/07/24
-------	--------	---------	--	---	--	--	---------	------------	------------------

The above section is an online class. Computer with Internet access is required. See [www.rccd.edu/de](http://www.rccd.edu/de).

33136	GAM-3A	Lecture		3			ON-LINE	D Capps	02/12 - 06/07/24
-------	--------	---------	--	---	--	--	---------	---------	------------------

The above section is restricted to the High School students participating in Norco College's Dual Enrollment Program. This section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

33250	GAM-3A	Lecture		3			CUSD-ONLN	D Capps	02/12 - 06/07/24
-------	--------	---------	--	---	--	--	-----------	---------	------------------

The above section is restricted to the High School students participating in Norco College's Dual Enrollment Program. This section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

### GAM-3B Advanced Game Design

Prerequisite: GAM-3A Description: An advanced exploration of game design emphasizing gameplay tuning, focus group testing, analytics, and user experience. 54 hours lecture.

32509	GAM-3B	Lecture		3			ON-LINE	D Capps	02/12 - 06/07/24
-------	--------	---------	--	---	--	--	---------	---------	------------------

The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de).

### GAM-4A Game Scripting

Prerequisite: None Description: A first course in programming for games stressing fundamental programming principles. Covers the logic structures and design paradigms that allow for fundamental interactions in digital games. 54 hours lecture.

33085	GAM-4A	Lecture		3			ON-LINE	B Kenney	02/12 - 06/07/24
-------	--------	---------	--	---	--	--	---------	----------	------------------

The above section is an online class. Computer with Internet access is required. See [www.rccd.edu/de](http://www.rccd.edu/de).

33137	GAM-4A	Lecture	ZTC	3	T	11:15AM-12:40PM	STEM-115 ON-LINE	T Tomey	02/12 - 06/07/24 02/12 - 06/07/24
-------	--------	---------	-----	---	---	-----------------	---------------------	---------	--------------------------------------

The above is a hybrid class; students must attend class in-person as scheduled. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

### GAM-4B Advanced Game Scripting

Prerequisite: CIS-17B or CSC-17B or CSC-18B or CIS-18B or GAM-4A Description: An advanced exploration of Game Scripting concepts. Emphasizes the use of design patterns, optimization, process, and efficiency in the activity of games programming. 54 hours lecture.

32510	GAM-4B	Lecture	ZTC	3			ON-LINE	T Tomey	02/12 - 06/07/24
-------	--------	---------	-----	---	--	--	---------	---------	------------------

The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de).

### GAM-5A Concept Art

Prerequisite: NONE Description: Introduction to digital drawing techniques using industry standard software. Covers the usage of digital drawing hardware and drawing skills with an emphasis on creative and conceptual expression. A course in sketching, digital drawing, matte painting, and visual ideation targeted towards the video games industry. Emphasizes topics in anatomy, perspective, color, mood, shape, and context. 54 hours lecture.

32511	GAM-5A	Lecture		3			ON-LINE	J Clendenning	02/12 - 06/07/24
-------	--------	---------	--	---	--	--	---------	---------------	------------------

The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

33086	GAM-5A	Lecture		3	Th	09:40AM-11:05AM	STEM-115 ON-LINE	J Clendenning	02/12 - 06/07/24 02/12 - 06/07/24
-------	--------	---------	--	---	----	-----------------	---------------------	---------------	--------------------------------------

The above section is a hybrid class. Computer with Internet access is required. See [www.rccd.edu/de](http://www.rccd.edu/de).

SECT#	Course#	Instruction	ZTC/LTC	Units	Days	Time	Bldg-Room	Instructor	Dates
<b>GAM-5B Advanced Concept Art</b> Prerequisite: GAM-5A Description: An advanced course in concept art, focusing on iteration, speed, efficiency, precision, and working within constraints. Emphasizes form, function, narrative, context, and thorough exploration of ideas in a rapid and visual manner. 54 hours lecture.									
32512	GAM-5B	Lecture		3			ON-LINE	J Clendenning	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de.									
<b>GAM-6A 3D Digital Modeling</b> Prerequisite: NONE Description: Introduces concepts of 3D Modeling in a virtual environment. Emphasis is on the introduction of three-dimensional concepts, the use of modeling tools, and menu structures within applications of 3D design systems. 54 hours lecture.									
32514	GAM-6A	Lecture		3			ON-LINE	J Clendenning	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
33088	GAM-6A	Lecture		3	Th	11:15AM-12:40PM	STEM-115 ON-LINE	J Clendenning	02/12 - 06/07/24 02/12 - 06/07/24
The above section is a hybrid class. Computer with Internet access is required. See www.rccd.edu/de.									
<b>GAM-6B 3D Animation</b> Prerequisite: GAM-6A Description: How to prepare an animation rig accurately and anatomically in a 3D simulation environment. Prepare previously created humanoid and creature 3D models and animate them using professional production techniques. 54 hours lecture.									
32515	GAM-6B	Lecture		3			ON-LINE	J Clendenning	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de.									
<b>GAM-7 Game Studio</b> Prerequisite: NONE Description: Introduction to practical game development techniques emphasizing team skills, project management, scope discipline, and task completion. Focuses on delivering finished projects for the purpose of portfolio or further development. 54 hours lecture. (Letter grade only)									
32518	GAM-7	Lecture		3			ON-LINE	J Clendenning	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de.									
<b>GAM-8 Current Topics in Game Development</b> Prerequisite: None Advisory: CIS-78A Description: Curriculum restructure to streamline the program and flatten structure. This course allows for much needed flexibility and adaptability in our programs, allowing us to stay current without needing to constantly restructure our offerings.									
32519	GAM-8	Lecture		3			ON-LINE	J Finley	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de.									

## GEOGRAPHY

<b>GEG-1 Physical Geography</b> Prerequisite: None Description: The interacting physical processes of air, water, land, and life that impact Earth's surface. Topics include weather and climate, the water cycle, landforms and plate tectonics, and the characteristics of plant and animal life. Emphasis is on interrelationships among systems and processes and their resulting patterns and distributions. There is a heavy emphasis on maps as descriptive and analytical tools. Students may not receive credit for both GEG-1 and GEG-1H. 54 hours lecture. (Letter Grade)									
32520	GEG-1	Lecture		3			ON-LINE	R Christov	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
32521	GEG-1	Lecture		3	MW	09:15AM-10:40AM	ATEC-205	S Justice	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
32522	GEG-1	Lecture		3			ON-LINE	E Ogbuchiekwe	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
32524	GEG-1	Lecture		3			ON-LINE	E Ogbuchiekwe	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
32525	GEG-1	Lecture		3	TTh	08:00AM-09:25AM	ATEC-205	S Justice	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
33059	GEG-1	Lecture		3			ON-LINE	S Justice	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
33060	GEG-1	Lecture		3			ON-LINE	R Christov	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
34321	GEG-1	Lecture		3			ON-LINE	S Justice	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
<b>GEG-1L Physical Geography Laboratory</b> Prerequisite: None Corequisite: GEG-1DE or GEG-1H Description: Practical application of scientific principles through geographically based in-class exercises using a variety of tools, such as maps, photos, and data in various forms. 54 hours laboratory.									
32526	GEG-1L	Lab		1			ON-LINE	S Justice	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
32527	GEG-1L	Lab		1	MW	11:10AM-12:35PM	ATEC-205	S Justice	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
32528	GEG-1L	Lab		1	TTh	09:45AM-11:05AM	ATEC-205	S Justice	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
32530	GEG-1L	Lab		1			ON-LINE	E Ogbuchiekwe	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
33057	GEG-1L	Lab		1			ON-LINE	E Peprah	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
33211	GEG-1L	Lab		1			ON-LINE	S Justice	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									

## GUIDANCE

### GUI-45 Introduction to College

Prerequisite: None Description: Guidance 45 is designed to introduce academic and occupational programs, college resources and personal factors that contribute to success as a college student. Includes an extensive exploration of Riverside Community College District resources and policies, orientation to college life, student rights and responsibilities, as well as certificates, graduation and transfer requirements. Students will prepare a Student Educational Plan (S.E.P.). Outcomes of higher education will be discussed through the exploration and application of sociological and psychological principles that lead to success in college and in accomplishing goals. As a result of class activities and exploration of factors influencing educational decisions, class members will be able to utilize the information obtained in class to contribute to their college success. 18 hours lecture.

32532	GUI-45	Lecture		1			ON-LINE	A Kramer	02/12 - 04/06/24
-------	--------	---------	--	---	--	--	---------	----------	------------------

The above section is a short term online class. Please note the start and end dates. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

32533	GUI-45	Lecture		1			ON-LINE	A Kramer	04/15 - 06/07/24
-------	--------	---------	--	---	--	--	---------	----------	------------------

The above section is a short term online class. Please note the start and end dates. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

33244	GUI-45	Lecture		1			CUSD-ONLN	A Kramer	02/12 - 04/06/24
-------	--------	---------	--	---	--	--	-----------	----------	------------------

The above section is restricted to the High School students participating in Norco College's Dual Enrollment Program. This section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

### GUI-46 Intro Transfer Process

Prerequisite: None. Description: Provides an introduction to the transfer process. Includes an in-depth exploration of transfer requirements, admission procedures, requirements for majors, and financial aid opportunities. The information learned will enable students to make informed choices on majors, four-year institutions and in academic planning. 18 hours lecture. (Letter Grade, or Pass/No Pass option.)

32534	GUI-46	Lecture		1	Th	08:00AM-08:50AM	LIBR-121	D Bing	02/12 - 06/07/24
-------	--------	---------	--	---	----	-----------------	----------	--------	------------------

This section is designed with special emphasis on African American culture. See the Umoja counselor (Darnell.Bing@norcocollege.edu) prior to enrolling. Concurrent enrollment in ENG-1B-32425 is required Internet access is required.

32535	GUI-46	Lecture		1	Th	10:15AM-11:05AM	IT-127	Y Haro	02/12 - 06/07/24
-------	--------	---------	--	---	----	-----------------	--------	--------	------------------

The above section is designed for the Puente Community. Please see the Puente Counselor (yolando.haro@rccd.edu) in the Counseling Department prior to enrolling..

32536	GUI-46	Lecture		1			ON-LINE	B Quintanar	02/12 - 04/06/24
-------	--------	---------	--	---	--	--	---------	-------------	------------------

The above section is a short term online class. Please note the start and end dates. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

32537	GUI-46	Lecture		1			ON-LINE	B Quintanar	04/15 - 06/07/24
-------	--------	---------	--	---	--	--	---------	-------------	------------------

The above section is a short term online class. Please note the start and end dates. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

33131	GUI-46	Lecture	ZTC	1			ON-LINE	D Grajeda	04/15 - 06/07/24
-------	--------	---------	-----	---	--	--	---------	-----------	------------------

The above section is a short term online class. Please note the start and end dates. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

### GUI-47 Career Exploration and Life Planning

Prerequisite: None Description: In depth career and life planning: Topics include extensive assessment of one's values, skills, interest, abilities, opportunities, and personality; life problem-solving and self-management skills; adult development theory and the changes that occur over the life span; and exploration of career opportunities based on personal attributes and goals. An intensive focus on decision making, goal setting and job search strategies, as well as resume writing and interviewing skills will also be addressed. This course is designed to assist those students considering a career change or who are undecided about the selection of a college major. 54 hours lecture. (Letter grade only)

32539	GUI-47	Lecture		3			ON-LINE	J Moore	02/12 - 06/07/24
-------	--------	---------	--	---	--	--	---------	---------	------------------

The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

32540	GUI-47	Lecture		3			ON-LINE	A Moreno	02/12 - 06/07/24
-------	--------	---------	--	---	--	--	---------	----------	------------------

The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

32542	GUI-47	Lecture		3			ON-LINE	A Moreno	02/12 - 04/06/24
-------	--------	---------	--	---	--	--	---------	----------	------------------

The above section is a short term online class. Please note the start and end dates. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

32543	GUI-47	Lecture		3			ON-LINE	A Davis	02/12 - 04/06/24
-------	--------	---------	--	---	--	--	---------	---------	------------------

The above section is a short term online class. Please note the start and end dates. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

32544	GUI-47	Lecture		3			JVHS-ONLN	T Jackson	02/12 - 06/07/24
-------	--------	---------	--	---	--	--	-----------	-----------	------------------

The above section is restricted to Jurupa Valley High School students participating in Norco College's Dual Enrollment Program. The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

32545	GUI-47	Lecture		3			ERHS-ONLN	C Flores	02/12 - 06/07/24
-------	--------	---------	--	---	--	--	-----------	----------	------------------

The above section is restricted to Eleanor Roosevelt High School students participating in Norco College's Dual Enrollment Program. The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

32547	GUI-47	Lecture		3			ERHS-ONLN	E Amezola	02/12 - 06/07/24
-------	--------	---------	--	---	--	--	-----------	-----------	------------------

The above section is restricted to Eleanor Roosevelt High School students participating in Norco College's Dual Enrollment Program. The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

32548	GUI-47	Lecture		3			CAVA-ONLN	C Castillo Gonzalez	02/12 - 06/07/24
-------	--------	---------	--	---	--	--	-----------	---------------------	------------------

The above section is restricted to students enrolled in the California Virtual Academy (CAVA) only. The section is an online class. Computer internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

32549	GUI-47	Lecture		3			ON-LINE	A Bailey	02/12 - 06/07/24
-------	--------	---------	--	---	--	--	---------	----------	------------------

The above section is designed with special emphasis on African American culture. See the Umoja counselor (Darnell.Bing@norcocollege.edu) prior to enrolling. The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

32550	GUI-47	Lecture		3			ON-LINE	A Bailey	02/12 - 06/07/24
-------	--------	---------	--	---	--	--	---------	----------	------------------

The above section is restricted to Centennial High School students participating in Norco College's Dual Enrollment Program designed with special emphasis on African American culture. Contact the Umoja counselor (Darnell.Bing@norcocollege.edu) prior to enrolling. This above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

32551	GUI-47	Lecture		3			ON-LINE	A Bailey	02/12 - 06/07/24
-------	--------	---------	--	---	--	--	---------	----------	------------------

The above section is restricted to Eleanor Roosevelt High School students participating in Norco College's Dual Enrollment Program The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

32552	GUI-47	Lecture		3	M	08:30AM-09:45AM	REG-MEET	C Beirne	02/12 - 06/07/24
-------	--------	---------	--	---	---	-----------------	----------	----------	------------------

ON-LINE 02/12 - 06/07/24

The above course is designed to assist those students considering the transition of a career change or undecided about the selection of a college major. The above section is intended for students with disabilities. The course is intended to assist students in the areas of college success strategies, disability management, self-advocacy, and navigating academic adjustments. For additional information, please contact the DRC at (951) 372-7070. REG Meet courses are online classes with regular weekly meeting during scheduled days and times. Students will attend class online during the published course times

32553	GUI-47	Lecture		3			CUSD-ONLN	J Moore	02/12 - 06/07/24
-------	--------	---------	--	---	--	--	-----------	---------	------------------

The above section is restricted to High School Students participating in Norco College's Dual Enrollment Program. This section is an online class. Computer with internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)



SECT#	Course#	Instruction	ZTC/LTC	Units	Days	Time	Bldg-Room	Instructor	Dates
32555	GUI-47	Lecture		3	TTh	09:40AM-11:05AM	IT-125	J Midgett	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
32559	GUI-47	Lecture		3			ON-LINE	A Moreno	04/15 - 06/07/24
The above section is a short term class. Please note the start and end dates. Canvas and other online applications may be required to complete coursework.									
33180	GUI-47	Lecture		3			CENT-ONLN	A Thompson	02/12 - 06/07/24
The above section is restricted to Centennial High School students participating in Norco College's Dual Enrollment Program. This section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
33187	GUI-47	Lecture		3			CENT-ONLN	E Amezola	02/26 - 06/07/24
The above section is restricted to Centennial High School students participating in Norco College's Dual Enrollment Program. This section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
33188	GUI-47	Lecture		3			CENT-ONLN	A Iglesias	02/12 - 06/07/24
The above section is restricted to Centennial High School students participating in Norco College's Dual Enrollment Program. This section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
34312	GUI-47	Lecture		3			CUSD-ONLN	B Serrano Madsen	02/12 - 06/07/24
The above section is restricted to the High School students participating in Norco College's Dual Enrollment Program. This section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									

#### GUI-48 College Success Strat

Prerequisite: None Description: This comprehensive course integrates personal growth and values, academic study strategies and critical thinking techniques. Students will obtain skills and personal/interpersonal awareness necessary to succeed in college. 54 hours lecture. (Letter grade only)

32561	GUI-48	Lecture		3			ON-LINE	D Bing	02/12 - 04/06/24
The above section is a short term class. Please note the start and end dates. Canvas and other online applications may be required to complete coursework.									
32562	GUI-48	Lecture		3			ON-LINE	D Bing	04/15 - 06/07/24
The above section is a short term class. Please note the start and end dates. Canvas and other online applications may be required to complete coursework.									
32565	GUI-48	Lecture		3			ON-LINE	A Davis	04/15 - 06/07/24
The above section is a short term class. Please note the start and end dates. Canvas and other online applications may be required to complete coursework.									
32566	GUI-48	Lecture		3			ON-LINE	T Jackson	02/12 - 06/07/24
The above section is restricted to the High School students participating in Norco College's Dual Enrollment Program. This section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
33246	GUI-48	Lecture		3			CUSD-ONLN	T Jackson	02/12 - 06/07/24
The above section is restricted to the High School students participating in Norco College's Dual Enrollment Program. This section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									

## HEALTH SCIENCE

#### HES-1 Health Science

Prerequisite: None Description: A general education course that offers a basic study of human health and health care as revealed in the anatomy and physiology of the body, nutrition, exercise, stress management, weight management, protection from degenerative and communicable diseases, personal safety, environmental health, wellness, and professional medical care. Students will explore making responsible decisions regarding all aspects of a healthy lifestyle including getting fit, disease prevention and treatments, use and abuse of substances, human sexuality, and selection of health providers. This course satisfies the California requirement in drug, alcohol, tobacco and nutrition education for teacher certification. 54 hours lecture. (Letter grade only) (Same as BIO-35)

32569	HES-1	Lecture	LTC	3	MW	11:00AM-12:25PM	WEQ-W3	T Wallstrom	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
32570	HES-1	Lecture	LTC	3			ON-LINE	V Genian	04/15 - 06/07/24
The above is a short term online class. Please note the start and end dates. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
32571	HES-1	Lecture	ZTC	3			ON-LINE	S Witmer	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
32572	HES-1	Lecture	ZTC	3	TTh	09:40AM-11:05AM	WEQ-W3	S Witmer	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
32573	HES-1	Lecture	LTC	3			ON-LINE	T Wallstrom	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
32575	HES-1	Lecture	LTC	3			ON-LINE	T Wallstrom	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
32576	HES-1	Lecture	LTC	3			ON-LINE	T Wallstrom	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
33261	HES-1	Lecture		3			ON-LINE	V Genian	04/15 - 06/07/24
The above is a short term online class. Please note the start and end dates. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
33262	HES-1	Lecture		3			ON-LINE	T Wallstrom	04/15 - 06/07/24
The above is a short term online class. Please note the start and end dates. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									

## HISTORY

#### HIS-1 World History to 1500

Prerequisite: None. Description: A survey of the historical development of global societies, major social, political, and economic ideas and institutions from their origins until the 16th century. Principal areas to be covered are: African civilizations of the Nile and sub-Saharan areas, Mesopotamian civilizations, Greek and Roman Civilizations, Medieval and Reformation Europe, the Indus River, China and Japan. 54 hours lecture. (Letter grade only)

32582	HIS-1	Lecture		3			ON-LINE	M Takahashi	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									

#### HIS-2 World History Since 1500

Prerequisite: None. Advisory: REA-83. Description: A survey of the evolution of modern world history from the 16th century emergence of new global political, economic, social, and intellectual patterns, through the era of industrialization and imperialism, to the world wars of the 20th century and the present. 54 hours lecture. (Letter grade only)

SECT#	Course#	Instruction	ZTC/LTC	Units	Days	Time	Bldg-Room	Instructor	Dates
32585	HIS-2	Lecture		3	TTh	11:15AM-12:40PM	HUM-103	S Kyriakos	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
HIS-6		United States History to 1877							
Prerequisite: None Advisory: REA-83 or ENG-50 or ENG-80 or qualification for ENG 1A. Description: Political, social, and economic development of the United States from precolonial background and colonial foundations to 1877; the evolution of American thought and institutions; principles of national, state, and local government. Students may not receive credit for both HIS-6 and and HIS-6H. 54 hours lecture. (Letter grade)									
32589	HIS-6	Lecture		3			ON-LINE	T Russell	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
32590	HIS-6	Lecture		3			ON-LINE	G Marshall	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
32591	HIS-6	Lecture	ZTC	3	TTh	04:10PM-05:35PM	HUM-103	C Delgadillo	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
32592	HIS-6	Lecture		3			ON-LINE	L Pelgone	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
32593	HIS-6	Lecture		3			ON-LINE	C Delgadillo	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
32594	HIS-6	Lecture		3	MW	09:15AM-10:40AM	HUM-103	H Vion	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
32596	HIS-6	Lecture		3	MW	02:30PM-03:55PM	HUM-103	B Baca	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
HIS-7		United States History From 1865							
Prerequisite: None Advisory: ENG-83 or ENG-50 or ENG-80 or qualification for ENG-1A Description: Political, social and economic development of the United States from 1865 to the present; the evolution of American thought and institution; principles of national, state, and local government. Students may not receive credit for both HIS-7 and HIS-7H. 54 hours lecture.									
32597	HIS-7	Lecture		3			ON-LINE	S Kyriakos	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
32598	HIS-7	Lecture		3			ON-LINE	S Kyriakos	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
32599	HIS-7	Lecture		3			ON-LINE	S Kyriakos	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
32600	HIS-7	Lecture		3	MW	11:10AM-12:35PM	HUM-103	H Vion	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
32601	HIS-7	Lecture		3			ON-LINE	D Reina	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
32602	HIS-7	Lecture		3	Th	06:00PM-09:10PM	HUM-103	H Vion	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
32603	HIS-7	Lecture		3	F	08:00AM-11:35AM	HUM-103	L Pelgone	02/23 - 06/07/24
The above section is a short term class. Please note the start and end dates. Canvas and other online applications may be required to complete coursework.									
32605	HIS-7	Lecture		3	TTh	02:00PM-03:25PM	HUM-103	S Kyriakos	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
33189	HIS-7	Lecture		3			CUSD-ONLN	T Knight	02/12 - 06/07/24
The above section is restricted to the High School students participating in Norco College's Dual Enrollment Program. This section is an online class. Computer with Internet access required. See www.rccd.edu/de									
HIS-7H		Honors United States History From 1865 the United States							
Prerequisite: None Advisory: REA-83 and qualification for ENG-1A Limitation on enrollment: Enrollment in the Honors Program Description: Political, social and economic development of the United States from 1865 to the present; the evolution of American thought and institution; principles of national, state, and local government. This honors course offers an enriched experience for accelerated students through limited class size, seminar format, focus on primary texts, and application of higher level critical thinking skills. Students may not receive credit for both HIS-7 and HIS-7H 54 hours lecture.									
33067	HIS-7H	Lecture		3	TTh	08:00AM-09:25AM	HUM-103	T Russell	02/12 - 06/07/24
The above section is designed for students in the Honors Program. Canvas and other online applications may be required to complete coursework.									
HIS-14		African American History I							
Prerequisite: None. Description: A survey of the experience of Americans of African descent in America from the 1600s to 1865. The course begins with the history of African civilizations on the coast of West Africa, moves through the rise of slavery in the Americas, the origins and developments of American ideas about race, and the formation of African American culture(s) and identities. It then culminates with emancipation at the end of the Civil War. Although the history of African Americans is one of struggle and almost constant adversity, it is also one of strength and perseverance. In spite of the challenges, African Americans lived, loved, formed enduring communities, and created a unique culture. Since their involuntary arrival on the shores of North America during the early seventeenth century, Africans and their descendants confronted adversity by means of individual and collective action in numerous ways. The course explores these dimensions of the African American experience, and in so doing, highlights the multifaceted ways African Americans have made their own history while simultaneously shaping and contributing to the history of the United States. 54 hours lecture. (Same as ETS-14) (Letter grade only)									
32583	HIS-14	Lecture		3	TTh	09:40AM-11:05AM	HUM-103	T Russell	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
HIS-26		History of California							
Prerequisite: None Description: A survey of the history of California from the pre-Columbian period to the present, with emphasis on the period since statehood in 1850. 54 hours lecture. (Letter grade)									
33066	HIS-26	Lecture		3			ON-LINE	B Baca	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
33251	HIS-26	Lecture		3			CUSD-ONLN	B Baca	02/12 - 06/07/24
The above section is restricted to the High School students participating in Norco College's Dual Enrollment Program. This section is an online class. Computer with Internet access required. See www.rccd.edu/de									

SECT#	Course#	Instruction	ZTC/LTC	Units	Days	Time	Bldg-Room	Instructor	Dates
HIS-31	Introduction to Chicana/O/X Studies								
Prerequisite: None. Description: Introduction to the study of the Chicana/o/x people, including their history, identity, and culture. Key moments in the history of the Chicana/o/x population are highlighted from the pre-Columbian and Spanish colonial periods to the present. Emphasis is placed on analyzing the complexity and diversity of the culture and identity of the Chicana/o/x people, with focus on race and ethnicity, class, citizenship, gender, sexuality, and region. 54 hours lecture. (Same as ETS-2) (Letter grade only)									
32588	HIS-31	Lecture	ZTC	3	TTh	02:00PM-03:25PM	ATEC-204	C Delgadillo	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									

## HUMANITIES

HUM-4		Arts and Ideas: Ancient World Through the Late Medieval Period							
Prerequisite: None Advisory: REA-83 and qualification for ENG-1A Description: An interdisciplinary study of the cultural movements in art, architecture, literature, music, philosophy, and religion of Western Civilization. The cultural achievements of the ancient world and the middle ages are studied to develop an understanding of their philosophical ideas, values, cultural meaning, artistic form, and contributions to modern thought. Students may not receive credit for both HUM-4 and HUM-4H. 54 hours lecture.									
32615	HUM-4	Lecture	ZTC	3			ON-LINE	G DeAngelis	02/12 - 04/05/24
The above section is a short term online class. Please note the start and end dates. Computer with Internet access required. See www.rccd.edu/de									
34319	HUM-4	Lecture		3			ON-LINE	A Silva	04/15 - 06/07/24
The above section is a short term online class. Please note the start and end dates. Computer with Internet access required. See www.rccd.edu/de									
HUM-5		Arts and Ideas: Renaissance through the Modern Era							
Prerequisite: None Advisory: REA-83 and qualification for English 1A Description: An interdisciplinary study of the cultural movements in art, architecture, literature, music, philosophy, photography, cinema, media, and religion of Western civilization. The cultural achievements of the Renaissance, Enlightenment, Romantic, Modern and post-modern periods are studied to develop an understanding of their philosophical ideas, values, cultural meaning, artistic form, and contributions to contemporary thought Students may not receive credit for both HUM-5 and HUM-5H. 54 hours lecture.									
32616	HUM-5	Lecture	ZTC	3			ON-LINE	G DeAngelis	04/15 - 06/07/24
The above section is a short term online class. Please note the start and end dates. Computer with Internet access required. See www.rccd.edu/de									
34320	HUM-5	Lecture		3			ON-LINE	A Silva	04/29 - 06/07/24
The above section is a short term online class. Please note the start and end dates. Computer with Internet access required. See www.rccd.edu/de									
HUM-8		Introduction to Mythology							
Prerequisite: None Advisory: ENG-1B or ENG-1BH and REA-83 Description: A study of Greco-Roman and other mythological traditions. Emphasizes the historical sources and cultural functions of myths and legends in ancient societies and their continuing relevance to modern thought and culture. 54 hours lecture. (Same as ENG - 8)									
32618	HUM-8	Lecture		3	TTh	11:15AM-12:40PM	IT-206	D Reade	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
HUM-10		World Religions							
Prerequisite: None Description: An introduction to the methods of the academic study of religion and analysis of the category of "religion." Provides a nonsectarian survey and analysis of the concepts, practices, and historical and cultural influences of major world religious traditions, which may include indigenous religions, such as Native American, African, Afro-Caribbean, and Oceanic religions; Asian-origin religions, such as Hinduism, Buddhism, Jainism, Sikhism, Confucianism, Taoism, and Shinto; Middle Eastern-origin religions, such as Judaism, Christianity, Islam, and Zoroastrianism; and New Religious Movements, such as atheism, Scientology, Neopaganism, and New Age. Students may not receive credit for both HUM-10 and HUM-10H. 54 hours lecture. (Letter grade only)									
32606	HUM-10	Lecture		3			ON-LINE	M Bobo	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
32607	HUM-10	Lecture		3			ON-LINE	M Bobo	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
32609	HUM-10	Lecture		3			ON-LINE	M Bobo	02/12 - 06/07/24
This section is an online class. Computer with Internet access required. See www.rccd.edu/de									
32610	HUM-10	Lecture		3	MW	09:15AM-10:40AM	ATEC-204	M Bobo	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
33239	HUM-10	Lecture		3			CUSD-ONLN	M Bobo	02/12 - 06/07/24
The above section is restricted to the CNUSD High School students participating in Norco College's Dual Enrollment Program. The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
34314	HUM-10	Lecture		3			ON-LINE	D Ketcham	04/15 - 06/07/24
The above section is a short term online class. Please note the start and end dates. Computer with Internet access required. See www.rccd.edu/de									
HUM-18		Walking With the Dead: An Interdisciplinary Perspective on Death and Dying							
Prerequisite: None. Description: An interdisciplinary journey through human responses to death and dying from historical, mythological, religious, philosophical, sociological, cultural, and biological perspectives. Emphasizes the comparison of social, political, and cross-cultural meanings and practices regarding death. Investigates the evolving way in which world cultures have understood the problem of death, dying, and grief through works of literature, history, art, and philosophy. Issues addressed may include: attitudes, beliefs, and meanings of death and dying across religions/cultures; the dying process; living with dying; the American health care system; hospice care; end-of-life decisions; suicide; euthanasia and other biomedical issues; and grief, mourning, the funeral process and cultural norms. (Same as PHI 18) 54 hours lecture.									
33125	HUM-18	Lecture		3	W	06:00PM-09:00PM	ATEC-204	D Ketcham	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
HUM-23		The Bible As Literature							
Prerequisite: None Advisory: ENG-1B or ENG-1BH Description: A survey of the Hebrew Bible and New Testament with emphasis on literary form, styles, and themes. 54 hours lecture. (Same as ENG-23) (Letter Grade, or Pass/No Pass Option.)									
32612	HUM-23	Lecture	ZTC	3	MW	11:10AM-12:35PM	ATEC-204	M Bobo	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
HUM-35		Philosophy of Religion							
Prerequisite: None Advisory: PHI-10 or PHI-11 Description: An introduction to the examination of religious claims from a philosophical perspective. Emphasis will be placed upon examining the rational justification for various traditional faith claims, and upon examining the relationship between rationality and faith. The course presumes a basic knowledge of philosophical argumentation. 54 hours lecture. Same as PHI-35									
32613	HUM-35	Lecture		3	MW	11:10AM-12:35PM	IT-211	J Sentmanat	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									

SECT#	Course#	Instruction	ZTC/LTC	Units	Days	Time	Bldg-Room	Instructor	Dates
-------	---------	-------------	---------	-------	------	------	-----------	------------	-------

## KINESIOLOGY

### KIN-4 Nutrition

Prerequisite: None Description: The principles of modern nutrition and its application. The importance of a scientific knowledge of nutrition, specific food nutrients and nutritional controversies. A study of modern convenience foods and their impact on present day diets. 54 hours lecture. (Letter grade only)

32632	KIN-4	Lecture	LTC	3			ON-LINE	S Witmer	02/12 - 06/07/24
-------	-------	---------	-----	---	--	--	---------	----------	------------------

The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

32633	KIN-4	Lecture	LTC	3			ON-LINE	S Witmer	02/12 - 06/07/24
-------	-------	---------	-----	---	--	--	---------	----------	------------------

The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de).

32634	KIN-4	Lecture	LTC	3	TTh	08:00AM-09:25AM	WEQ-W3	T Wallstrom	02/12 - 06/07/24
-------	-------	---------	-----	---	-----	-----------------	--------	-------------	------------------

Canvas and other online applications may be required to complete coursework.

32635	KIN-4	Lecture	LTC	3			ON-LINE	T Wallstrom	02/12 - 06/07/24
-------	-------	---------	-----	---	--	--	---------	-------------	------------------

The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de).

### KIN-10 Introduction to Kinesiology

Prerequisite: None Description: An introduction to the interdisciplinary approach to the study of human movement. An overview of the importance of the sub-disciplines in Kinesiology will be discussed along with career opportunities in the areas of teaching, coaching, allied health, and fitness professions. 54 hours lecture.

32621	KIN-10	Lecture	LTC	3			ON-LINE	R Aguilar	02/12 - 06/07/24
-------	--------	---------	-----	---	--	--	---------	-----------	------------------

The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

32622	KIN-10	Lecture	LTC	3	MW	02:30PM-03:55PM	WEQ-W3	R Aguilar	02/12 - 06/07/24
-------	--------	---------	-----	---	----	-----------------	--------	-----------	------------------

Canvas and other online applications may be required to complete coursework.

### KIN-16 Introduction to Athletic Training

Prerequisite: None. Description: TBasic concepts of athletic training with emphasis in the prevention and care of athletic injuries. Basic taping techniques will be presented and practiced. 45 hours lecture and 27 hours laboratory. (Letter grade)

32623	KIN-16	Lecture	ZTC	3	W	04:15PM-06:45PM	WEQ-W3	K Blank	02/12 - 06/07/24
-------	--------	---------	-----	---	---	-----------------	--------	---------	------------------

		Lab			W	07:00PM-08:25PM	WEQ-W3		02/12 - 06/07/24
--	--	-----	--	--	---	-----------------	--------	--	------------------

Canvas and other online applications may be required to complete coursework.

### KIN-29 Soccer Theory

Prerequisite: None. Description: The study of various aspects of coaching the sport of soccer. Students will learn rules, principles for training, team management, communication skills, how to recruit players and techniques for teaching individual skills, offensive and defensive play and team strategies. 54 hours lecture. (Letter grade only)

32624	KIN-29	Lecture	ZTC	3	T	04:00PM-07:10PM	WEQ-W3	D Rea	02/12 - 06/07/24
-------	--------	---------	-----	---	---	-----------------	--------	-------	------------------

Canvas and other online applications may be required to complete coursework.

### KIN-30 First Aid and CPR

Prerequisite: None. Description: Theory and detailed demonstration of first aid care of the injured by the citizen responder. Students will learn how to assess a victim's condition and incorporate proper treatment. Students who successfully pass all National Safety Council requirements will receive a National Safety Council Advanced First Aid certificate. Students who successfully pass all American Heart Association requirements will receive a Healthcare Professional CPR certificate. A \$24.00 fee for required certificates will be charged to the student and is not covered by CCPG. Fee may be subject to change in the academic year at the discretion of the National Safety Council. 54 hours lecture. (Letter grade only)

32625	KIN-30	Lecture		3	W	09:15AM-10:40AM	WEQ-W3	S Witmer	02/12 - 06/07/24
-------	--------	---------	--	---	---	-----------------	--------	----------	------------------

							ON-LINE		02/12 - 06/07/24
--	--	--	--	--	--	--	---------	--	------------------

This section is a hybrid class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de).

32626	KIN-30	Lecture		3	M	09:15AM-10:40AM	WEQ-W3	S Witmer	02/12 - 06/07/24
-------	--------	---------	--	---	---	-----------------	--------	----------	------------------

							ON-LINE		02/12 - 06/07/24
--	--	--	--	--	--	--	---------	--	------------------

The above is a hybrid class; students must attend class in-person as scheduled. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

32627	KIN-30	Lecture		3	Th	06:30PM-09:40PM	WEQ-W3	A Gutierrez	04/18 - 06/06/24
-------	--------	---------	--	---	----	-----------------	--------	-------------	------------------

							ON-LINE		04/18 - 06/06/24
--	--	--	--	--	--	--	---------	--	------------------

This is a short term hybrid class; students must attend class in-person as scheduled. Please note the start and end dates. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

### KIN-35 Foundation for Fitness and Wellness

Prerequisite: None Description: Prepares students to make informed choices and to take responsibility for those choices in the areas of fitness, nutrition, and stress management. Emphasis is on the application of health and physical fitness principles. Each student will develop a personalized plan for the overall maintenance of their own wellness. 36 hours lecture and 54 hours laboratory. (Letter grade only)

32628	KIN-35	Lecture	LTC	3			ON-LINE	D Bednarczyk	02/12 - 06/07/24
-------	--------	---------	-----	---	--	--	---------	--------------	------------------

		Lab					ON-LINE		02/12 - 06/07/24
--	--	-----	--	--	--	--	---------	--	------------------

This is an online class. Computer with Internet access required. See <https://rccd.edu/de>

### KIN-36 Wellness: Lifestyle Choices

Prerequisite: None. Description: Exploration of major health issues and behaviors in the various dimensions of health. The dimensions of health and wellness include the physical, emotional, intellectual, social, spiritual, and environmental. Emphasis is placed on individual responsibility for personal health and the location and promotion of informed, positive health behaviors. Nutrition, physical activity, weight control, mental health, stress management, violence, substance abuse, reproductive health, disease prevention, aging, healthcare, and environmental hazards and safety will be discussed. 54 hours lecture. (Letter grade only)

32629	KIN-36	Lecture	LTC	3			ON-LINE	R Aguilar	02/12 - 04/06/24
-------	--------	---------	-----	---	--	--	---------	-----------	------------------

The above is a short term online class. Please note the start and end dates. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

32630	KIN-36	Lecture	LTC	3			ON-LINE	R Aguilar	04/15 - 06/07/24
-------	--------	---------	-----	---	--	--	---------	-----------	------------------

The above is a short term online class. Please note the start and end dates. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

### KIN-38 Stress Management

Prerequisite: None. Description: The nature, physiology, and psychology of stress. Students will explore perceptions, attitudes, beliefs, and lifestyle factors that may be pre-cursors and contributors to distress. Students will also explore a variety of coping strategies and relaxation techniques. The lab portion of this class provides the opportunity for students to practice techniques and develop a personalized stress management program. 45 hours lecture and 27 hours laboratory. (letter grade only)

32631	KIN-38	Lecture		3			ON-LINE	N Hightower	02/12 - 06/07/24
-------	--------	---------	--	---	--	--	---------	-------------	------------------

		Lab					ON-LINE		02/12 - 06/07/24
--	--	-----	--	--	--	--	---------	--	------------------

The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

SECT#	Course#	Instruction	ZTC/LTC	Units	Days	Time	Bldg-Room	Instructor	Dates
KIN-A40		Karate, Beginning							
Prerequisite: None Description: Beginning karate will develop the basic skills needed for the art of unarmed self-defense. This includes the use of blocking, punching, and kicking. Karate will also develop speed, grace of movement, self-confidence, poise, mental alertness, strength, endurance, and muscular control. Karate is a physical art and a sport that anyone, irrespective of size, age, or sex, can practice according to his or her own capabilities. 54 hours laboratory. (Letter Grade or Pass/No Pass option.)									
32636	KIN-A40	Lab		1	MW	12:45PM-02:10PM	WEQ-W2	D Namekata	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
KIN-A41		Karate, Intermediate							
Prerequisite: None Advisory: KIN-A40 Description: This course in intermediate karate is designed for the student wishing to review basic self defense skills and begin work on higher skills, develop intermediate level skills in unarmed self defense, and learn basic skills in kumite (free fighting). 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)									
32637	KIN-A41	Lab		1	MW	12:45PM-02:10PM	WEQ-W2	D Namekata	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
KIN-A43		T'ai-chi Ch'uan, Beginning							
Prerequisite: None Description: Covers Beginning and Short Form Yang Style T'ai-chi ch'uan (taijiquan) routines. Beginning T'ai-chi form is a 24 movement routine, to introduce the student to basic walking stances along with hand movements. The Short Form is a 37 movement routine, providing emphasis on balance and fluidity of movement. Students will learn proper posture, relaxation methods, stances, hand and foot motions. Benefits include improved balance, flexibility, coordination, focus, and stress reduction. Supplemental exercises will include stretching methods, ch'i kung (qigong) and Chinese therapeutic exercises. KIN-A40, A41, A43, and A44 are courses related in content and are limited in enrollment according to Title 5, section 55040. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)									
32638	KIN-A43	Lab		1	TTh	11:15AM-12:40PM	WEQ-W2	F Stewart	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
KIN-A44		T'ai-chi Ch'uan, Intermediate							
Prerequisite: KIN-A43 Description: A continuation of Yang Style T'ai-chi Ch'uan. Covers more advanced forms and training methods. Students will learn the Yang Style T'ai-chi Ch'uan (taijiquan) 108 movement Long Form. Students will also learn standing and seated meditations, and supplemental exercises. KIN-A40, A41, A43, and A44 are courses related in content and are limited in enrollment according to Title 5, section 55040. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)									
32639	KIN-A44	Lab		1	TTh	11:15AM-12:40PM	WEQ-W2	F Stewart	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
KIN-A46		Yoga, Beginning							
Prerequisite: None Description: Beginning yoga exercises to improve students' physical and mental wellness. The yoga exercises will be taught to promote improvement in yoga breathing techniques, concentration, muscular flexibility, strength and endurance, balance and meditation techniques. KIN-A46, KIN-A47, and KIN-A48 are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information, see section VIII regarding course repetition. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)									
32641	KIN-A46	Lab		1	TTh	09:40AM-11:05AM	WEQ-W2	F Stewart	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
32642	KIN-A46	Lab		1	MW	09:15AM-10:40AM	WEQ-W2	L Zank	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
KIN-A47		Yoga, Intermediate							
Prerequisite: None Advisory: KIN-A46 Description: Intermediate yoga exercises to improve students' physical and mental wellness. The yoga exercises will be taught to promote improvement in yoga breathing techniques, concentration, muscular flexibility, strength and endurance, balance and meditation techniques. KIN-A46 A47, and A48 are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repetition. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)									
32643	KIN-A47	Lab		1	TTh	09:40AM-11:05AM	WEQ-W2	F Stewart	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
32645	KIN-A47	Lab		1	MW	09:15AM-10:40AM	WEQ-W2	L Zank	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
KIN-A62		Flag Football							
Prerequisite: None. Description: Skills, techniques, strategy, and rules of flag football. Emphasizes skill improvement, team unity, and safety procedures. KIN-A62 and A62A are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repetition. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)									
32646	KIN-A62	Lab		1	MW	11:00AM-12:25PM	SOCR-1	R Aguilar	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
KIN-A64A		Soccer, Beginning							
Prerequisite: None. Description: An introduction to the fundamental skills and lifetime fitness potential of soccer. Emphasis is placed on learning the basic skills, techniques and rules. Individual strategies for competition will be introduced. 54 hours laboratory. (Letter grade only)									
32647	KIN-A64A	Lab		1	TTh	08:00AM-09:25AM	SOCR-2	D Rea	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
32648	KIN-A64A	Lab		1	MW	02:30PM-03:55PM	SOCR-2	K Roberts	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
KIN-A64B		Soccer, Intermediate							
Prerequisite: KIN-A64A Description: Team offensive and defensive soccer strategies will be introduced along with individual soccer skills practiced and increased. Emphasis is placed on spatial awareness and body control necessary for practice and competition along with individual offensive and defensive soccer strategies. KIN-A64A, A64B, and A64C are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repetition. 54 hours laboratory. (Letter grade only)									
32649	KIN-A64B	Lab		1	TTh	08:00AM-09:25AM	SOCR-2	D Rea	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
32650	KIN-A64B	Lab		1	MW	02:30PM-03:55PM	SOCR-2	K Roberts	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
KIN-A64C		Soccer, Advanced							
Prerequisite: KIN-A64B. Description: Offensive and defensive team strategies will be developed along with an increase in individual soccer skills. Emphasis is placed on team strategies, lifetime fitness and perfecting skill techniques. KIN-A64A, A64B, and A64C are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repetition. 54 hours laboratory. (Letter grade only)									
32651	KIN-A64C	Lab		1	TTh	08:00AM-09:25AM	SOCR-2	D Rea	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
32652	KIN-A64C	Lab		1	MW	02:30PM-03:55PM	SOCR-2	K Roberts	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									



SECT#	Course#	Instruction	ZTC/LTC	Units	Days	Time	Bldg-Room	Instructor	Dates
KIN-A75A	Walking for Fitness: Beginning								
Prerequisite: None Description: This course is designed for all students with an emphasis on cardiovascular fitness, setting personal fitness goals and understanding the physiological benefits of a walking program. Walking programs will be established to improve cardiorespiratory endurance. KIN-A75A, A75B and A77 are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repetition. 54 hours laboratory. (Letter grade or Pass/No Pass option.)									
32653	KIN-A75A	Lab		1			ON-LINE	R Aguilar	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de.									
32654	KIN-A75A	Lab		1			ON-LINE	D Bednarczyk	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
KIN-A75B	Walking for Fitness: Intermediate								
Prerequisite: None Advisory: KIN-A75A Description: This course is designed for students of intermediate fitness levels who would like to enhance and improve their cardiovascular fitness, basic strength and flexibility with more advanced walking strategies. Intermediate walking techniques will be utilized in establishing walking programs designed to promote improvements in cardiorespiratory endurance and body composition. KIN-A75A, A75B and A77 are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information, see section VIII regarding course repetition. 54 hours laboratory. (Letter grade or Pass/No Pass option.)									
32655	KIN-A75B	Lab		1			ON-LINE	D Bednarczyk	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
32656	KIN-A75B	Lab		1			ON-LINE	R Aguilar	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
KIN-A81A	Cardio and Strength Training, Beginning								
Prerequisite: None Description: An overview of the basic concepts that affect total fitness. Personalized exercise programs in cardiovascular endurance, muscular strength, muscular endurance, and flexibility will be developed. KIN-A81A and A81B are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repetition. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)									
32657	KIN-A81A	Lab		1	MW	09:15AM-10:40AM	WEQ-W8	R Aguilar	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
KIN-A81B	Cardio and Strength Training, Intermedia								
Prerequisite: None. Description: Provides nutritional, cardiovascular, strength, flexibility and assessment concepts to enhance the personalized exercise program. KIN-A81A and A81B are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repetition. 54 hours laboratory. (TBA option)(Letter Grade, or Pass/No Pass option.)									
32658	KIN-A81B	Lab		1	MW	09:15AM-10:40AM	WEQ-W8	R Aguilar	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
KIN-A90A	Weight Training - Beginning								
Prerequisite: None. Description: Weight training course designed to teach students the basic exercises for the development of the major muscles. Emphasis is placed on muscular strength, endurance and flexibility. 54 hours laboratory. (Letter grade only)									
32663	KIN-A90A	Lab		1	TTh	12:45PM-02:10PM	WEQ-W8	V Genian	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
KIN-A90B	Weight Training - Intermediate								
Prerequisite: KIN-A90A Description: Weight training course for students who have a basic background in weight lifting. Emphasis is placed on furthering strength development, cardiovascular endurance and flexibility. 54 hours laboratory. (Letter grade only)									
32664	KIN-A90B	Lab		1	TTh	12:45PM-02:10PM	WEQ-W8	V Genian	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
KIN-A90C	Weight Training - Advanced								
Prerequisite: KIN-A90B Description: Weight training course for students who have an extensive background in weight lifting. Emphasis is placed on strength development, cardiovascular endurance and flexibility. 54 hours laboratory. (Letter grade only)									
33176	KIN-A90C	Lab		1	TTh	12:45PM-02:10PM	WEQ-W8	V Genian	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
KIN-V95	Out-Of-Season Sport Conditioning								
Prerequisite: None Limitation on enrollment: Retention based on successful tryout Description: This course is designed to teach advanced conditioning principles for the design and implementation of our out-of-season training programs in preparation for varsity sport competition. Subsequent enrollment in additional semesters will provide the student an opportunity for added skill competency development. May be taken a total of four times. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)									
32665	KIN-V95	Lab		1	TTh	09:40AM-11:05AM	WEQ-W8	D Rea	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
32666	KIN-V95	Lab		1	TTh	11:15AM-12:40PM	WEQ-W8	D Rea	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									

## LIBRARY

LIB-1		Introduction to Information Literacy				
Prerequisite: None Description: Presents the fundamentals of the effective use of libraries to find, evaluate, interpret, and organize information online and in print; and to answer research questions and develop new ones. Students will develop an understanding of access to and ethical use of information through the use of retrieval systems. 18 hours lecture. (Letter Grade, or Pass/No Pass option.)						
32667	LIB-1	Lecture	1	ON-LINE	S Seifried	02/12 - 04/05/24
The above section is a short term online class. Please note the start and end dates. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>						
32668	LIB-1	Lecture	1	ON-LINE	D Myers Hyatt	04/15 - 06/07/24
The above section is a short term online class. Please note the start and end dates. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>						

## MANAGEMENT

MAG-44	Principles of Management								
Prerequisite: None Description: For those who are in management, preparing for a potential promotion or interested in the management process. Includes the primary functions of planning, organizing,controlling, and leading as well as related skills such as team development, motivation and communication techniques, and quality management. Also, social responsibility and a global perspective are emphasized. 54 hours lecture. (Letter Gra de, or Pass/No Pass option.)									
32669	MAG-44	Lecture		3			ON-LINE	D White	02/12 - 04/05/24
The above section is a short-term online class. Please note the start and end dates. A computer with Internet access is required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									

SECT#	Course#	Instruction	ZTC/LTC	Units	Days	Time	Bldg-Room	Instructor	Dates
MAG-47		Applied Business and Management Ethics							
Prerequisite: None. Description: An examination of ethical concerns in business decision making. Includes corporate, personal, global, governmental, public, environmental, product, and job-related issues. Case studies and corporate ethics programs and audits also covered. 54 hours lecture. (Same as BUS-47) (Letter Grade, or Pass/No Pass option)									
32670	MAG-47	Lecture		3			ON-LINE	A Smith	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de.									

MAG-51		Elements of Supervision							
Prerequisite: None. Description: Overview of responsibilities of a supervisor in industry including organizational structure, training, work assignments, productivity, quality control, evaluations, and management-employee relations. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)									
32671	MAG-51	Lecture		3			ON-LINE	A Smith	02/12 - 06/07/24
The above section is a short-term online class. Please note the start and end dates. Computer with Internet access is required. See www.rccd.edu/de									

MAG-53		Human Relations							
Prerequisite: None. Description: A practical application of basic psychology in building better employer-employee relationships. Examines effective human relation techniques. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)									
32672	MAG-53	Lecture		3			ON-LINE	E Davalos	02/12 - 04/05/24
The above section is a short term online class. Please note the start and end dates. Computer with Internet access required. See www.rccd.edu/de.									

MAG-56		Hrm: Human Resources Management							
Prerequisite: None. Description: Examines the manager's responsibility for implementing human resources applications involving the selection, training, evaluation, motivation and promotion of personnel. Compares and contrasts alternatives leading to innovative and socially responsible solutions to current employee relations issues with the workplace. 54 hours lecture. (Letter Grade)									
32673	MAG-56	Lecture		3			ON-LINE	E Davalos	04/15 - 06/07/24
The above section is a short term online class. Please note the start and end dates. Computer with Internet access required. See www.rccd.edu/de.									

## MANUFACTURING TECHNOLOGY

MAN-36		General Machine Shop and Theory of Machining							
Prerequisite: None Description: An introduction to the basic setup and operating of the lathe, mill, saw, drill press, and grinder. Safety, blueprint reading, measurement, shop math, tool grinding, bench work and layout, cutting concepts, and speed and feed calculations are also included. Emphasis will be on the fundamentals of bench work and layout. 54 hours lecture and 54 hours laboratory. (Letter grade or Pass/No Pass option)									
32674	MAN-36	Lecture		4	T	06:00PM-09:10PM	CACT-2	J Payton	02/12 - 06/07/24
		Lab			Th	06:00PM-09:10PM	CACT-2		02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									

MAN-55		Occupational Safety and Health Administration (OSHA) Standards for General Industry							
Prerequisite: None Description: Covers OSHA policies, procedures, and standards, as well as safety for general industry and health principles. Topics include scope and application of the OSHA general industry standards. Special emphasis is placed on those areas that are the most hazardous, using OSHA standards as a guide. Upon successful course completion, the student will receive either an OSHA 10 hour general industry or construction industry training completion card. 18 hours lecture. (Letter Grade, or Pass/No Pass option.)									
32675	MAN-55	Lecture		1			ON-LINE	K Mosley	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de.									

MAN-56		CNC Machine Set-Up and Operation							
Prerequisite: None Description: Fundamental skills related to the setup and operation of CNC (Computer Numerically Control) machine tools. Students will set up and operate CNC machine tools exposing them to CNC controllers and some CNC manual programming. Students will gain hands-on experience with CNC machine tools. 54 hours lecture and 54 hours laboratory. (Letter grade or Pass/No Pass)									
33162	MAN-56	Lecture		4			ON-LINE	P Van Hulle	02/12 - 06/07/24
		Lab			M	06:00PM-09:10PM	CACT-2		02/12 - 06/07/24
The above section is a hybrid class. Computer with Internet access required. See www.rccd.edu/de									

MAN-57		CNC Program Writing							
Prerequisite: None Description: Introduction to manual CNC program writing. Includes the Cartesian coordinate system, absolute/incremental programming, circular interpolation, cutter radius compensation, canned cycles, and other programming techniques related to CNC machine tools. Students will gain hands-on experience with CNC machine tools. 36 hours lecture and 54 hours laboratory. (Letter grade or Pass/No Pass)									
32677	MAN-57	Lecture		3	T	02:00PM-04:05PM	CACT-2	P Van Hulle	02/12 - 06/07/24
		Lab					ON-LINE		02/12 - 06/07/24
The above section is a hybrid class. Computer with Internet access required. See www.rccd.edu/de									

MAN-64		Programmable Logic Controllers							
Prerequisite: None Advisory: ELE-10 or ELE-11 Description: 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. 36 hours lecture and 54 hours laboratory. Same as ELE-64. (Letter Grade, or Pass/No Pass option)									
32679	MAN-64	Lecture		3			ON-LINE	C Keissieh	02/12 - 06/07/24
		Lab			W	06:00PM-09:10PM	CACT-2	P Van Hulle	02/12 - 06/07/24
The above section is a hybrid class. Computer with Internet access required. See www.rccd.edu/de									

MAN-72		Commercial and Industrial Electrical Wiring							
Prerequisite: None Description: Wiring of commercial and industrial buildings including equipment grounding, service grounding, power distribution, conduit types, metal, plastic, flexible, bending and supporting, light distribution and blueprint reading. Hands-on lab experiences are selected to reinforce key theories. 54 hours lecture and 54 hours laboratory. (Letter Grade, or Pass/No Pass option)									
33109	MAN-72	Lecture		4	S	08:00AM-11:10AM	ATEC-119	D Adams	02/12 - 06/07/24
		Lab			S	11:20AM-02:30PM	ATEC-119		02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									

MAN-73		Electric Motors and Transformers							
Prerequisite: None Description: Enables electricians to understand and effectively wire most standard DC motors, servos and steppers, as well as many AC motors, including single and poly-phase units, from fractional horsepower to multi-horsepower, industrial giants. 54 hours lecture and 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)									
32680	MAN-73	Lecture		4	TTh	06:00PM-07:25PM	IT-124	A Munoz	02/12 - 06/07/24
		Lab			TTh	07:35PM-09:00PM	IT-124		02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									

SECT#	Course#	Instruction	ZTC/LTC	Units	Days	Time	Bldg-Room	Instructor	Dates
MAN-74		Industrial Wiring and Controls							
Prerequisite: None Description: Industrial controls and electrical wiring of modern facilities, manufacturing, or warehousing. Included will be production equipment, conveyor systems, hydraulic and pneumatic controls, power distribution, blueprint reading, electrical control wiring, PLC (programmable logic controller) control wiring, VFD (variable frequency drives) wiring and programming. 54 hours lecture and 54 hours laboratory. (Letter Grade or Pass/No Pass option) (Same as ELC/ELE-74)									
32681	MAN-74	Lecture		4	MW	06:00PM-07:25PM	IT-124	J Roman	02/12 - 06/07/24
		Lab			MW	07:35PM-09:00PM	IT-124	J Vela	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									

MAN-77		Electrical Theory for Electricians							
Prerequisite: None Description: An introduction to electrical theory, Ohm's Law, magnetism, electromagnetism, voltage, resistance, current, inductance, capacitance, reactance, impedance, Watts, Volt-Amps, VARs, current control devices, sensors and actuators phase angle, power-factor, transformers, motors, power distribution systems, and proper usage of electrical test equipment (meters). Student will learn concepts of electrical power, energy, Kirchoff's Laws, along with basic math to solve fundamental electrical problems for both alternating current (A.C.) and direct current (D.C.) circuits. Student will learn basic electrical safety procedures, including the proper use and requirements for personal protective equipment (PPE). 36 hours lecture, 54 hours lab. Pass/No Pass, Letter Grade. (same as ELC/ELE-77)									
32682	MAN-77	Lecture	3	T	06:30PM-07:20PM	IT-202	K Rad	02/12 - 06/07/24	
				Th	06:30PM-07:35PM	IT-202		02/12 - 06/07/24	
		Lab		TTh	07:45PM-09:10PM	IT-202		02/12 - 06/07/24	
Canvas and other online applications may be required to complete coursework.									

## MARKETING

MKT-20	Principles of Marketing								
Prerequisite: None Advisory: BUS-10 Description: Examines the role of marketing as it relates to society and economic development. The course will analyze products, consumer, marketing research and strategic market planning. The course will survey with a global perspective, the selection of target markets as well as the development of the marketing mix place, product, price and promotion. 54 hours lecture.(Lettetr grade)									
32779	MKT-20	Lecture	3	W	06:00PM-09:10PM	STEM-115	E Doucette	02/12 - 04/05/24	
						ON-LINE		02/12 - 04/05/24	
The above section is a short term hybrid class. Please note the start and end dates. Computer with Internet access is required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									

MKT-40	Advertising							
Prerequisite: None Description: Economic, professional, persuasive and technical aspects of advertising, publicity and propaganda, and their relation to sociology and psychology. Campaign organization, research and media of communication. Analysis and discussion of situation problems, mass motivation, consumer action and legal restraints. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)								
32781	MKT-40	Lecture		3		ON-LINE	A Smith	04/15 - 06/07/24
The above section is a short term online class. Please note the start and end dates. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>								

## MATHEMATICS

MAT-1A		Calculus I							
Prerequisite: MAT-10 or MAT-23 or MAT-9 and MAT-36 or qualifying placement Description: Functions, limits, continuity, techniques and applications of differentiation, the Fundamental Theorem of Calculus, and basic integration. 72 hours lecture and 18 hours laboratory. (Letter Grade or Pass/No Pass option)									
32732	MAT-1A	Lecture	4	M	06:30PM-09:00PM	WEQ-W4	A Thomas	02/12 - 06/07/24	
				W	06:30PM-08:00PM	WEQ-W4		02/12 - 06/07/24	
		Lab		W	08:10PM-09:00PM	WEQ-W4		02/12 - 06/07/24	
Canvas and other online applications may be required to complete coursework.									
32733	MAT-1A	Lecture	4	T	09:40AM-12:10PM	WEQ-W6A	J Frewing	02/12 - 06/07/24	
				Th	09:40AM-11:10AM	WEQ-W6A		02/12 - 06/07/24	
		Lab		Th	11:20AM-12:10PM	WEQ-W6A		02/12 - 06/07/24	
32734	MAT-1A	Lecture	4	T	02:00PM-04:30PM	ATEC-210	J Mulari	02/12 - 06/07/24	
				Th	02:00PM-03:30PM	ATEC-210		02/12 - 06/07/24	
		Lab		Th	03:40PM-04:30PM	ATEC-210		02/12 - 06/07/24	
Canvas and other online applications may be required to complete coursework.									
32735	MAT-1A	Lecture	4	M	05:15PM-07:45PM	ATEC-211	S Warsinski	02/12 - 06/07/24	
				W	05:15PM-06:45PM	ATEC-211		02/12 - 06/07/24	
		Lab		W	06:55PM-07:45PM	ATEC-211		02/12 - 06/07/24	
Canvas and other online applications may be required to complete coursework.									

MAT-1B		Calculus II							
Prerequisite: MAT-1A Description: Techniques of integration, applications of integration, improper integrals, parametric equations, polar coordinates, infinite sequences and series.									
72 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)									
32736	MAT-1B	Lecture	4	T	02:10PM-04:40PM	LIBR-108	J Tousignant	02/12 - 06/07/24	
				Th	02:10PM-03:40PM	LIBR-108		02/12 - 06/07/24	
		Lab		Th	03:50PM-04:40PM	LIBR-108		02/12 - 06/07/24	
Canvas and other online applications may be required to complete coursework.									
32737	MAT-1B	Lecture	4	T	09:40AM-12:10PM	ATEC-210	B Johnson	02/12 - 06/07/24	
				Th	09:40AM-11:10AM	ATEC-210		02/12 - 06/07/24	
		Lab		Th	11:20AM-12:10PM	ATEC-210		02/12 - 06/07/24	
Canvas and other online applications may be required to complete coursework.									
32738	MAT-1B	Lecture	4	M	05:40PM-08:10PM	WEQ-W5		02/12 - 06/07/24	
				W	05:40PM-07:10PM	WEQ-W5	S Borissova	02/12 - 06/07/24	
		Lab		W	07:20PM-08:10PM	WEQ-W5		02/12 - 06/07/24	
Canvas and other online applications may be required to complete coursework.									
32739	MAT-1B	Lecture	4	M	02:45PM-05:15PM	ATEC-210		02/12 - 06/07/24	
				W	02:45PM-04:15PM	ATEC-210	B Lopez Segoviano	02/12 - 06/07/24	
		Lab		W	04:25PM-05:15PM	ATEC-210		02/12 - 06/07/24	
Canvas and other online applications may be required to complete coursework.									

SECT#	Course#	Instruction	ZTC/LTC	Units	Days	Time	Bldg-Room	Instructor	Dates
32740	MAT-1B	Lecture		4	T	04:00PM-06:30PM	ERHS-C211	T Young	02/12 - 06/07/24
					Th	04:00PM-05:30PM	ERHS-C211		02/12 - 06/07/24
		Lab			Th	05:40PM-06:30PM	ERHS-C211		02/12 - 06/07/24
The above section is restricted to Eleanor Roosevelt High School students participating in Norco College's Dual Enrollment Program.									
32741	MAT-1B	Lecture		4	MTW	08:10AM-09:25AM	JVHS-A-9	P Ramirez	02/12 - 06/07/24
		Lab			F	08:35AM-09:25AM	JVHS-A-9		02/12 - 06/07/24
The above section is restricted to Jurupa Valley High School students participating in Norco College's Dual Enrollment Program.									
32742	MAT-1B	Lecture		4	M	09:15AM-11:45AM	ATEC-210	B Lopez Segoviano	02/12 - 06/07/24
					W	09:15AM-10:45AM	ATEC-210		02/12 - 06/07/24
		Lab			W	10:55AM-11:45AM	ATEC-210		02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
MAT-1C		Calculus III							
Prerequisite: MAT-1B Description: Vectors in a plane and in space, vector functions, calculus on functions of multiple variables, partial derivatives, multiple integrals, line and surface integrals, Green's theorem, Stokes' theorem, Divergence theorem, and elementary applications to the physical and life sciences. 72 hours lecture and 18 hours laboratory. (Letter grade or Pass/No Pass option)									
32743	MAT-1C	Lecture		4	T	07:15PM-09:45PM	WEQ-W4	S Borissova	02/12 - 06/07/24
					Th	07:15PM-08:45PM	WEQ-W4		02/12 - 06/07/24
		Lab			Th	08:55PM-09:45PM	WEQ-W4		02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
32744	MAT-1C	Lecture		4	T	09:40AM-12:10PM	WEQ-W4	J Mulari	02/12 - 06/07/24
					Th	09:40AM-11:10AM	WEQ-W4		02/12 - 06/07/24
		Lab			Th	11:20AM-12:10PM	WEQ-W4		02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
MAT-2		Differential Equations							
Prerequisite: MAT-1B Description: This is a course in differential equations including both quantitative and qualitative methods as well as applications from a variety of disciplines. Introduces the theoretical aspects of differential equations, including establishing when solution(s) exists, and techniques for obtaining solutions, including linear first and second order differential equations, series solutions, Laplace transforms, linear systems, and elementary applications to the physical and biological sciences. 72 hours lecture. (Letter Grade, or Pass/No Pass option.)									
32746	MAT-2	Lecture		4	TTh	05:00PM-07:05PM	WEQ-W4	S Borissova	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
MAT-3		Linear Algebra							
Prerequisite: MAT-1B Description: Examines elementary vector space concepts and geometric interpretations and develops the techniques and theory to solve and classify systems of linear equations. Solution techniques include Gaussian and Gauss-Jordan elimination, Cramer's rule and inverse matrices. Investigates the properties of vectors in two, three and finite dimensions, leading to the notion of an abstract vector space. Vector space and matrix theory are presented including topics such as determinants, linear independence, bases and dimension of a vector space, linear transformations and their matrix representations, inner products, norms, orthogonality, eigenvalues, eigenvectors, and eigenspaces. Selected applications of linear algebra are included. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)									
32749	MAT-3	Lecture		3	MW	11:15AM-12:40PM	WEQ-W6A	B Johnson	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
32750	MAT-3	Lecture		3	W	06:00PM-09:10PM	WEQ-W6A	J Tousignant	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
MAT-5		Calculus for Business and Life Science							
Prerequisite: MAT-9 or Intermediate Algebra or qualifying placement. Description: A study of the techniques of calculus for majors in business, business administration, life and social sciences. Emphasis on problem solving and applications. Topics include: Functions, graphs, limits, derivatives, integrals, exponential and logarithmic functions. 72 hours lecture. (Letter Grade or Pass/No Pass option.)									
32758	MAT-5	Lecture		4			ON-LINE	J Mulari	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
32759	MAT-5	Lecture		4	M	09:30AM-11:35AM	LIBR-108	S Park	02/12 - 06/07/24
							ON-LINE		02/12 - 06/07/24
Enrollment in the above class requires first enrolling in MAT-105 32686. The above section is a hybrid class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
32761	MAT-5	Lecture		4			ON-LINE	J Frewing	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
33054	MAT-5	Lecture		4	T	02:00PM-04:05PM	WEQ-W6A	J Frewing	02/12 - 06/07/24
							ON-LINE		02/12 - 06/07/24
Enrollment in the above class requires first enrolling in MAT-105-33056. The above is a hybrid class; students must attend class in-person as scheduled. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
MAT-9		Bstem College Algebra							
Prerequisite: Intermediate Algebra or Qualifying Placement. Description: College-level algebra for those majoring in business, science, technology, engineering, and mathematics: polynomial, rational, radical, absolute value, exponential, and logarithmic functions and their graphs; systems of equations; theory of polynomial equations; analytic geometry; sequences and series. Students cannot receive credit for MAT-9 if they have already received credit for MAT-10 or MAT-23. 90 hours lecture. (Letter Grade or Pass/No Pass option)									
32762	MAT-9	Lecture		5	W	02:35PM-05:05PM	ATEC-211	J DeGuzman	02/12 - 06/07/24
							ON-LINE		02/12 - 06/07/24
Enrollment in the above class requires first enrolling in MAT-109 32691. The above section is a hybrid class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
32763	MAT-9	Lecture		5			ON-LINE	E Chung	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
32764	MAT-9	Lecture		5			ON-LINE	B Johnson	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
32765	MAT-9	Lecture		5	T	10:20AM-12:50PM	WEQ-W5	E Chung	02/12 - 06/07/24
							ON-LINE		02/12 - 06/07/24
Enrollment in the above class requires first enrolling in MAT-109 32689. The above section is a hybrid class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									

SECT#	Course#	Instruction	ZTC/LTC	Units	Days	Time	Bldg-Room	Instructor	Dates
32766	MAT-9	Lecture		5	M	06:00PM-08:05PM	ATEC-210 ON-LINE	J DeGuzman	02/12 - 06/07/24 02/12 - 06/07/24
Enrollment in the above class requires first enrolling in MAT-109 32688. The above section is a hybrid class. Computer with Internet access required. See www.rccd.edu/de									
32767	MAT-9	Lecture		5	TTh	08:15AM-09:25AM	WEQ-W5 ON-LINE	E Chung	02/12 - 06/07/24 02/12 - 06/07/24
The above is a hybrid class; students must attend class in-person as scheduled. Computer with Internet access required. See www.rccd.edu/de									
32768	MAT-9	Lecture		5	F	08:00AM-10:30AM	LIBR-108 ON-LINE	L Ting	02/12 - 06/07/24 02/12 - 06/07/24
Enrollment in the above class requires first enrolling in MAT-109 32690. The above section is a hybrid class. Computer with Internet access required. See www.rccd.edu/de									
33122	MAT-9	Lecture		5	M	01:00PM-03:30PM	WEQ-W5 ON-LINE	S Park	02/12 - 04/15/24 02/12 - 04/15/24
This section is open for all students who meet the necessary placement requirements. In addition to this section, you also may consider enrolling in Hybrid MAT-36-33123 this semester. Hybrid MAT-36-33123 begins the week after this MAT-9 class ends and follows the same meeting schedule as this MAT-9 section. These MAT-9 and MAT-36 sections are designed to provide you with the opportunity to complete your MAT-1A prerequisites in one semester. The above is a hybrid class; students must attend class in-person as scheduled. Computer with Internet access required. See www.rccd.edu/de									
33263	MAT-9	Lecture		5			ON-LINE	B Johnson	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
<b>MAT-10 Precalculus</b> Students may qualify to take MAT-10 through qualifying placement. Prerequisite: MAT-36 or qualifying placement level Description: 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)									
32683	MAT-10	Lecture		5	TTh	06:00PM-08:30PM	ATEC-210	J DeGuzman	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
<b>MAT-11 College Algebra</b> Prerequisite: Intermediate Algebra or qualifying placement level. Description: This course is intended for students majoring in Liberal Arts and Humanities. The topics covered in this course include polynomial, radical, rational, absolute value, exponential and logarithmic functions; systems of equations; polynomial equations; permutations and combinations; analytic geometry; and linear programming. 72 hours lecture. (Letter Grade or Pass/No Pass option)									
32693	MAT-11	Lecture		4			ON-LINE	B Johnson	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
32694	MAT-11	Lecture		4			ON-LINE	E Chung	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
<b>MAT-12 Statistics</b> Prerequisite: Intermediate Algebra or Qualifying Placement. Description: A comprehensive study of measures of central tendency and variation, correlation and linear regression, probability, the normal distribution, the t-distribution, the chi-square distribution, estimation, testing of hypotheses, analysis of variance, and the application of statistical software to data, including the interpretation of the relevance of the statistical findings. Applications using data from business, education, health science, life science, psychology, and the social sciences will be included. 72 hours lecture. (Letter Grade, or Pass/No Pass option.)									
32704	MAT-12	Lecture		4			ON-LINE	A Robles	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
32705	MAT-12	Lecture		4			ON-LINE	J DeGuzman	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
32706	MAT-12	Lecture		4			ON-LINE	J DeGuzman	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
32707	MAT-12	Lecture		4			ON-LINE	A Robles	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
32708	MAT-12	Lecture		4			ON-LINE	B Lopez Segoviano	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
32709	MAT-12	Lecture		4			ON-LINE	C Hutchings	04/22 - 06/07/24
The above is a short term online class. Please note the start and end dates. Computer with Internet access required. See www.rccd.edu/de									
32710	MAT-12	Lecture		4	MTThF	07:00AM-08:10AM	ERHS-C112	C Hutchings	02/12 - 05/24/24
The above section is restricted to Eleanor Roosevelt High School students participating in Norco College's Dual Enrollment Program.									
32711	MAT-12	Lecture		4	W	09:00AM-11:05AM	WEQ-W6A ON-LINE	T Malouf	02/12 - 06/07/24 02/12 - 06/07/24
The above section is a hybrid class. Computer with Internet access required. See www.rccd.edu/de									
32712	MAT-12	Lecture		4			ON-LINE	Y Lam	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
32716	MAT-12	Lecture		4	TTh	04:15PM-06:20PM	WEQ-W5	F Mendoza	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
32717	MAT-12	Lecture		4			ON-LINE	H Mai	04/15 - 06/07/24
The above is a short term online class. Please note the start and end dates. Computer with Internet access required. See www.rccd.edu/de									
32718	MAT-12	Lecture		4	F	11:55AM-02:00PM	LIBR-108 ON-LINE	T Malouf	02/12 - 06/07/24 02/12 - 06/07/24
Enrollment in the above class requires first enrolling in MAT-112-32695. Canvas and other online applications may be required to complete coursework.									
32719	MAT-12	Lecture		4	MW	01:00PM-02:15PM	WEQ-W4 ON-LINE	K Baccari	02/12 - 06/07/24 02/12 - 06/07/24
The above is a hybrid class; students must attend class in-person as scheduled. Computer with Internet access required. See www.rccd.edu/de									
32722	MAT-12	Lecture		4	M	12:05PM-02:10PM	ATEC-211 ON-LINE	C Hutchings	02/12 - 06/07/24 02/12 - 06/07/24
Enrollment in the above class requires first enrolling in MAT-112-32696. The above section is a hybrid class. Computer with Internet access required. See www.rccd.edu/de									
32723	MAT-12	Lecture		4	T	02:00PM-04:05PM	ATEC-211 ON-LINE	A Robles	02/12 - 06/07/24 02/12 - 06/07/24
Enrollment in the above class requires first enrolling in MAT-112-32697. The above section is a hybrid class. Computer with Internet access required. See www.rccd.edu/de									



SECT#	Course#	Instruction	ZTC/LTC	Units	Days	Time	Bldg-Room	Instructor	Dates
32724	MAT-12	Lecture		4	M	07:15PM-09:20PM	LIBR-108 ON-LINE	L Nguyen	02/12 - 06/07/24 02/12 - 06/07/24
Enrollment in the above class requires first enrolling in MAT-112-32699. The above section is a hybrid class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
32725	MAT-12	Lecture		4	F	09:00AM-11:05AM	ATEC-210 ON-LINE	S Park	02/12 - 06/07/24 02/12 - 06/07/24
The above section is a hybrid class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
32729	MAT-12	Lecture		4	MWF	10:35AM-11:55AM	ATEC-211	K Baccari	02/12 - 06/07/24
Enrollment in the above class requires first enrolling in MAT-112-32700. Canvas and other online applications may be required to complete coursework.									
32730	MAT-12	Lecture		4	T	09:40AM-11:45AM	LIBR-108 ON-LINE	N Alvarado	02/12 - 06/07/24 02/12 - 06/07/24
Enrollment in the above class requires first enrolling in MAT-112-32698. The above section is a hybrid class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a> .									
<b>MAT-25 Mathematics for the Liberal Arts Student</b>									
Students may qualify to take MAT-25 through qualifying placement. Prerequisite: MAT-42, Intermediate Algebra or qualifying placement level Description: A college level survey course of selected topics from the history and development of mathematics, patterns and inductive reasoning, set theory and deductive reasoning, geometry, probability, statistics, and problem solving. You may cover 2 of the following topics: dimensional analysis, geometry, mathematics of different bases, or development of numerical systems from ancient cultures. It is designed for students majoring in liberal arts, education, or communication. Calculators or computers may be used for selected topics. 54 hours of lecture. (Letter grade or Pass/No Pass option)									
33171	MAT-25	Lecture		3			ON-LINE	B Lopez Segoviano	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
33172	MAT-25	Lecture		3	T	10:30AM-12:05PM	HUM-111 ON-LINE	E Shonoda	02/12 - 06/07/24 02/12 - 06/07/24
Enrollment in the above class requires first enrolling in MAT-125-32731. The above section is a hybrid class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
<b>MAT-36 Trigonometry</b>									
Prerequisite: MAT-9 or qualifying 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)									
32751	MAT-36	Lecture		4			ON-LINE	E Chung	02/12 - 06/07/24
This is an online class. Computer with Internet access required. See <a href="https://rccd.edu/de">https://rccd.edu/de</a>									
32752	MAT-36	Lecture		4			ON-LINE	B Lopez Segoviano	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
32755	MAT-36	Lecture		4	M	05:00PM-07:05PM	LIBR-108 ON-LINE	J Zaragoza	02/12 - 06/07/24 02/12 - 06/07/24
The above is a hybrid class; students must attend class in-person as scheduled. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
33123	MAT-36	Lecture		4	M	01:00PM-03:30PM	WEQ-W5 ON-LINE	T Nguyen	04/22 - 06/03/24 04/22 - 06/03/24
The above is a short term hybrid class; students must attend class in-person as scheduled. Please note the start and end dates. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
<b>MAT-70B Statistics for Stem Student</b>									
Prerequisite: MAT-10 or MAT-23 or qualifying placement level and MAT-70A Description: An introduction to descriptive and inferential statistics, emphasizing the combined use of mathematics and programming for Data Science applications. A hands-on experience with data analysis using modern statistical software, including the interpretation of statistical findings. Topics include numerical and graphical summarization of central tendency and spread, probability, normal, binomial, and Poisson distributions. This course also addresses sampling distributions, t-distribution, the chi-squared distribution, estimation, hypothesis testing, Analysis of Variance, linear and multiple regression, and non-parametric tests. Students will work with big data and complete a research project employing simple statistical inference and advanced modeling techniques. 72 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)									
33055	MAT-70B	Lecture Lab		4	TTh T	04:50PM-06:55PM 07:00PM-07:50PM	LIBR-108 LIBR-108	C Hutchings	02/12 - 06/07/24 02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
<b>MAT-105 Corequisite Support for Math 5</b>									
Prerequisite: Qualifying Placement Corequisite: MAT-5 Description: A concurrent co-requisite course containing geometry and algebra concepts designed to support students in Calculus for Business and Life Science. Topics include a review of skills developed in geometry and intermediate algebra: area and volume, factoring, graphing, operations on rational and radical expressions, linear, exponential and logarithmic expressions and equations, functions including composition and inverses, and an in-depth focus on linear and quadratic functions. Topics are taught strategically throughout the semester to provide a "just in time" instruction of skills needed to master concepts in MAT 5 as they arise in that course. A diverse approach to problem solving processes and enhancement of study strategies will prepare the student for later university courses. 36 hours lecture. (Pass/No Pass.)									
32686	MAT-105	Lecture		2	W	09:30AM-11:40AM	LIBR-108	S Park	02/14 - 05/29/24
Enrollment in the above class requires first enrolling in MAT-5-32759. The above section is a short term class. Please note the start and end dates. Canvas and other online applications may be required to complete coursework.									
33056	MAT-105	Lecture		2	Th	02:00PM-04:10PM	WEQ-W6A	J Frewing	02/15 - 05/30/24
Enrollment in the above class requires first enrolling in MAT-5-33054. The above section is a short term class. Please note the start and end dates									
<b>MAT-109 Corequisite Support for MAT-9</b>									
Prerequisite: None Corequisite: MAT-9 Description: A concurrent corequisite course containing arithmetic and basic algebra concepts designed to support students in BSTEM College Algebra. Topics include a review of skills developed in arithmetic and algebra: operations on real numbers, simplifying algebraic expressions, factoring, graphing linear functions, operations on rational and radical expressions, linear and quadratic expressions and equations. Topics are taught strategically throughout the semester to provide a "just in time" instruction of skills needed to master concepts in MAT-9 as they arise. A diverse approach to problem-solving processes and enhancement of study strategies will prepare the student for later university courses. 18 hours lecture. (Pass/No Pass only)									
32688	MAT-109	Lecture		1	M	08:10PM-09:20PM	ATEC-210	J DeGuzman	02/12 - 05/20/24
Enrollment in the above class requires first enrolling in MAT-9-32766. The above section is a short term class. Please note the start and end dates.									
32689	MAT-109	Lecture		1	Th	10:20AM-11:25AM	WEQ-W5	E Chung	02/15 - 05/30/24
Enrollment in the above class requires first enrolling in MAT-9-32765. The above section is a short term class. Please note the start and end dates.									
32690	MAT-109	Lecture		1	F	10:35AM-11:45AM	LIBR-108	L Ting	02/16 - 05/31/24
Enrollment in the above class requires first enrolling in MAT-9-32768. The above section is a short term class. Please note the start and end dates.									
32691	MAT-109	Lecture		1	M	02:35PM-03:45PM	ATEC-211	J DeGuzman	02/12 - 05/20/24
Enrollment in the above class requires first enrolling in MAT-9-32762. The above section is a short term class. Please note the start and end dates.									

SECT#	Course#	Instruction	ZTC/LTC	Units	Days	Time	Bldg-Room	Instructor	Dates
MAT-112	Corequisite Support for Math 12								
Prerequisite: Qualifying Placement Corequisite: MAT-12 Description: A concurrent corequisite course containing arithmetic and algebraic concepts designed to support students in Statistics. Topics include a review of skills developed in algebra: order of operations, scientific notation, conversion between fractions, decimals, and percents, solving linear equations, and using the symbols, notation, and vocabulary of algebra. Topics are taught strategically throughout the semester to provide a "just in time" instruction of skills needed to master concepts in MAT-12 as they arise in that course. A diverse approach to problem solving processes and enhancement of study strategies will prepare the student for later university courses. 36 hours lecture. (Pass/No Pass)									
32695	MAT-112	Lecture		2	F	02:10PM-04:40PM	LIBR-108	T Malouf	02/16 - 05/31/24
Enrollment in the above class requires first enrolling in MAT 12 32718. The above section is a short term class. Please note the start and end dates.									
32696	MAT-112	Lecture		2	W	12:05PM-02:25PM	ATEC-211	C Hutchings	02/14 - 05/29/24
Enrollment in the above class requires first enrolling in MAT 12-32722. The above section is a short term class. Please note the start and end dates.									
32697	MAT-112	Lecture		2	Th	02:00PM-04:10PM	ATEC-211	A Robles	02/15 - 05/30/24
Enrollment in the above class requires first enrolling in MAT 12-32723. The above section is a short term class. Please note the start and end dates.									
32698	MAT-112	Lecture		2	Th	09:40AM-11:50AM	LIBR-108	N Alvarado	02/15 - 05/30/24
Enrollment in the above class requires first enrolling in MAT 12-32730. The above section is a short term class. Please note the start and end dates.									
32699	MAT-112	Lecture		2	W	07:15PM-09:25PM	LIBR-108	L Nguyen	02/14 - 05/29/24
Enrollment in the above class requires first enrolling in MAT 12-32699. The above section is a short term class. Please note the start and end dates.									
32700	MAT-112	Lecture		2	MW	09:20AM-10:25AM	ATEC-211	K Baccari	02/12 - 05/29/24
Enrollment in the above class requires first enrolling in MAT 12-32729. The above section is a short term class. Please note the start and end dates.									

MAT-125									
Corequisite Support for Mat-25									
Corequisite: MAT-25 Prerequisite: Qualifying Placement Description: A concurrent corequisite course containing algebra concepts designed to support the students taking MAT-25 (Mathematics for Liberal Arts Students). Topics include a review of skills from an elementary and intermediate algebra course: Rounding integer values, translating phrases into mathematical expressions, solving problems using percent and decimals, evaluating expressions containing exponents, solving linear equations, applying the four basic operations to real numbers, graphing and writing linear equations using slope and y-intercept, and simplifying expressions using order of operations. Topics are taught strategically throughout the semester to provide "just in time" instruction of skills needed to master concepts in MAT 25 as they arise in that course. A diverse approach to problem solving processes and enhancement of study strategies will prepare the student for later university courses. 36 hours lecture. (Pass/No pass)									
32731	MAT-125	Lecture	2	Th	10:30AM-12:40PM	HUM-111	E Shonoda	02/15 - 05/30/24	
Enrollment in the above class requires first enrolling in MAT 25-33172. The above section is a short term class. Please note the start and end dates.									

## MUSIC

MUS-3	Fundamentals of Music								
Prerequisite: None Advisory: MUS-32A or Concurrent enrollment in an appropriate level piano class. Description: Through guided music notation and analysis, Fundamentals of Music incorporates the following concepts: Rhythm and meter; basic properties of sound; intervals; diatonic scales and triads; diatonic chords; basic cadential formulas and phrase structure; dominant seventh; figured bass symbols; and non-harmonic tones. Development of skills in handwritten notation is expected. Laboratory includes sight singing and ear training activities that incorporate melodic, harmonic, and rhythmic dictation. Keyboard activities require the playing of major and minor scales, modes, triads, and seventh chords. 54 hours lecture and 54 hours laboratory. (TBA option)									
32796	MUS-3	Lecture		4	TTh	09:40AM-11:05AM	HUM-101	Z Shehata	02/12 - 06/07/24
		Lab			TTh	11:15AM-12:40PM	HUM-101		02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									

MUS-4	Music Theory I								
Prerequisite: MUS-3 or the equivalent Advisory: MUS-32B or Concurrent enrollment in an appropriate level piano class. Description: Through guided composition and analysis, Music Theory I incorporates the following concepts: Rhythm and meter; basic properties of sound; intervals; diatonic scales, triads, and seventh chords; basic cadential formulas and phrase structures; figured bass; non-harmonic tones; first-species counterpoint; and voice leading involving 4-part chorale writing. Development of skills in handwritten music notation is expected. Laboratory includes sight singing and ear training activities that incorporate melodic, harmonic, and rhythmic dictation. Keyboard activities require the playing of chord progressions, modes, and scales in all major and minor keys. 54 hours lecture and 54 hours laboratory. (TBA option)									
32808	MUS-4	Lecture	ZTC	4	M	08:40AM-09:50AM	IT-106	K Kamerin	02/12 - 06/07/24
					WF	08:40AM-09:30AM	IT-106		02/12 - 06/07/24
		Lab			MF	09:50AM-10:40AM	IT-106		02/12 - 06/07/24
		Lab			W	09:30AM-10:40AM	IT-106		02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									

MUS-6	Music Theory III								
Prerequisite: MUS-5 or the equivalent Advisory: MUS-32D or Concurrent enrollment in an appropriate level piano class. Description: Continued study and application of techniques acquired during Music Theory II. In addition, through writing and analysis, Music Theory III includes Common Practice period and 20th Century techniques such as: Borrowed chords and modal mixture; chromatic mediants; Neapolitan and augmented sixth chords; 9th, 11th and 13th chords; extended tertian harmony; polyharmony; quartal and secundal harmony; pandiatonicism; serialism; and aleatoric music. Laboratory includes post-Romantic and post-tonal sight singing and ear training activities that incorporate melodic, harmonic and rhythmic dictation. Keyboard activities require the playing of post-Romantic and post-tonal materials. 54 hours lecture and 54 hours laboratory. (TBA option)									
32811	MUS-6	Lecture	ZTC	4	M	08:40AM-09:50AM	IT-106	K Kamerin	02/12 - 06/07/24
					WF	08:40AM-09:30AM	IT-106		02/12 - 06/07/24
		Lab			MF	09:50AM-10:40AM	IT-106		02/12 - 06/07/24
		Lab			W	09:30AM-10:40AM	IT-106		02/12 - 06/07/24

MUS-19	Music Appreciation									
Prerequisite: None Description: A broad survey of music in the Western world, including terminology for describing musical elements, forms, and styles. Organized to acquaint students with the roles of music and musicians in society and with representative musical selections through listening, reading, writing, and live performance. 54 hours lecture. (Letter grade)										
32782	MUS-19	Lecture		3			ON-LINE	R Mora		02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de										
32783	MUS-19	Lecture		3			ON-LINE	I Zubizarreta		02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de										
32785	MUS-19	Lecture		3	MW	12:45PM-02:10PM	HUM-102	S Son		02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.										
32786	MUS-19	Lecture		3	TTh	08:00AM-09:25AM	IT-108	A Megas		02/12 - 06/07/24
The above section is restricted to John F Kennedy Middle College High School students participating in Norco College's Dual Enrollment Program. Canvas and other online applications may be required to complete coursework.										

SECT#	Course#	Instruction	ZTC/LTC	Units	Days	Time	Bldg-Room	Instructor	Dates
32787	MUS-19	Lecture		3	TTh	08:00AM-09:25AM	HUM-102	E Kim	02/12 - 06/07/24
The above section is restricted to John F Kennedy Middle College High School students participating in Norco College's Dual Enrollment Program. Canvas and other online applications may be required to complete coursework.									
32788	MUS-19	Lecture		3	MW	09:35AM-11:00AM	HUM-102	T Walton	02/12 - 06/07/24
The above section is restricted to John F Kennedy Middle College High School students participating in Norco College's Dual Enrollment Program. Canvas and other online applications may be required to complete coursework.									
32789	MUS-19	Lecture		3	TTh	09:35AM-11:00AM	WEQ-W7	E Kim	02/12 - 06/07/24
The above section is restricted to John F Kennedy Middle College High School students participating in Norco College's Dual Enrollment Program. Canvas and other online applications may be required to complete coursework.									
33153	MUS-19	Lecture		3	MW	08:00AM-09:25AM	HUM-102	T Walton	02/12 - 06/07/24
The above section is restricted to John F Kennedy Middle College High School students participating in Norco College's Dual Enrollment Program. Canvas and other online applications may be required to complete coursework.									
33154	MUS-19	Lecture		3			CUSD-ONLN	S Son	02/12 - 06/07/24
The above section is restricted to the High School students participating in Norco College's Dual Enrollment Program. This section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
MUS-23	History of Rock and Roll								
Prerequisite: None Description: A comprehensive study of rock and roll music from its origins to the present with an emphasis on the historical, musical, and sociological influences. Includes listening to music and identifying stylistic trends and influential artists. 54 hours lecture. (Letter grade only)									
32790	MUS-23	Lecture		3			ON-LINE	N Pirozzi	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
32792	MUS-23	Lecture		3			ON-LINE	N Pirozzi	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
MUS-25	Jazz Appreciation								
Prerequisite: None Description: A comprehensive study of jazz from its origins to the present day. Study will be centered on influential composers, instrumentalists, vocalists and arrangers. There will also be an introduction to, and study of, musical elements such as instrumentation, lyrics, form, rhythm and harmony. 54 hours lecture. (Letter Grade)									
32794	MUS-25	Lecture		3			ON-LINE	T Walton	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
MUS-32A	Class Piano I								
Prerequisite: None Description: This beginning course focuses on developing the skills needed for performing on piano, including reading from music notation, rhythm study, technique, expression, improvisation, harmonization, transposition, repertoire and style study. 54 hours laboratory.(Letter grade only)									
32797	MUS-32A	Lab		1	MW	12:45PM-02:10PM	HUM-101	N Pirozzi	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
32798	MUS-32A	Lab		1	TTh	08:00AM-09:25AM	HUM-101	Z Shehata	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
MUS-32B	Class Piano II								
Prerequisite: MUS-32A or the equivalent Description: Continuation of the skills studied in MUS 32A with a focus on techniques needed for performing on piano, including playing select major and parallel minor scales, reading music on the grand staff, tapping rhythms, harmonizing melodies using simple accompaniments, transposing, and simple score reading. 54 hours laboratory.(Letter grade only)									
32799	MUS-32B	Lab		1	MW	12:45PM-02:10PM	HUM-101	N Pirozzi	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
32800	MUS-32B	Lab		1	TTh	08:00AM-09:25AM	HUM-101	Z Shehata	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
MUS-32C	Class Piano III								
Prerequisite: MUS-32B or the equivalent Description: Continuation of the skills studied in MUS 32B with a focus on keyboard techniques required for playing major and minor scales, diatonic chord progressions, harmonizing melodies, transposing, accompanying, score reading, reading chord symbols, sight reading, and performance of intermediate-level piano learning pieces. 54 hours laboratory.(Letter grade only)									
32801	MUS-32C	Lab		1	MW	12:45PM-02:10PM	HUM-101	N Pirozzi	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
32802	MUS-32C	Lab		1	TTh	08:00AM-09:25AM	HUM-101	Z Shehata	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
MUS-32D	Class Piano IV								
Prerequisite: MUS-32C or the equivalent Description: Culmination of keyboard skills previously studied with a focus on increasing keyboard facility for playing major and minor scales and arpeggios, diatonic chord progressions, harmonizing melodies, modulating, transposing, accompanying, simple score reading, sight reading and performance of piano pieces from the standard classical piano teaching literature. 54 hours laboratory.(Letter grade only)									
32803	MUS-32D	Lab		1	MW	12:45PM-02:10PM	HUM-101	N Pirozzi	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
32804	MUS-32D	Lab		1	TTh	08:00AM-09:25AM	HUM-101	Z Shehata	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
MUS-37	Class Guitar								
Prerequisite: None Description: Development of basic guitar playing skills, including reading from music notation, reading chord symbols, transposition, and playing open chords, barre chords, scales, and simple melodies. 54 hours laboratory. (Letter grade only)									
32805	MUS-37	Lab		1	MW	04:30PM-05:55PM	THTR-204	B Palispis	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
MUS-38	Beginning Applied Music I								
Prerequisite: None Limitation on enrollment: Audition on or before the first class meeting Description: Vocal or instrumental instruction for students who are proficient performers and could benefit from individualized instruction as determined by audition. Course includes individual lessons, supervised practice, individual performance, and jury evaluations. Not designed for beginning students. May be taken a total of four times. 108 hours laboratory. (TBA option)									
32806	MUS-38	Lab		2			THTR-101	K Kamerin	02/12 - 06/07/24
The above section is a web-enhanced class and has a 108-hour laboratory requirement to be arranged. Internet access is required. This course offers private study in voice, piano, guitar, bass, or drums. An audition and participation in a Norco College Music ensemble are required. A mandatory instructional meeting will be held on Tuesday, February 13th, from 1:00 PM - 1:50 PM in THTR 101. If you cannot attend the meeting, you must contact Professor Kamerin to schedule an audition. The deadline to schedule an audition is Friday, February 16th. Nine hours of lessons and 6 hours of required performance times will be									

SECT#	Course#	Instruction	ZTC/LTC	Units	Days	Time	Bldg-Room	Instructor	Dates
arranged with your instructor. In addition, students are required to practice in the Norco Music practice facilities for approximately 6 hours each week. For additional information or to schedule an audition, please contact Professor Kamerin at kim.kamerin@norccollege.edu or 951-738-7703.									
<b>MUS-39 Applied Music I</b> Prerequisite: None Limitation on enrollment: Audition on or before the first class meeting Corequisite: Enrollment in a two-or three-unit performance class. Description: Vocal or instrumental instruction for students who are proficient performers and could benefit from individualized instruction as determined by audition. Each student must complete 10.125 hours per week in a combination of individualized practice, lessons, concert attendance and individual performance. Not designed for beginning students. May be taken a total of four times. 162 hours laboratory.									
32807	MUS-39	Lab		3			THTR-101	K Kamerin	02/12 - 06/07/24
The above section is a web-enhanced class and has a 162-hour laboratory requirement to be arranged. Internet access is required. This course offers private study in voice, piano, guitar, bass, or drums. An audition and participation in a Norco College Music ensemble are required. A mandatory instructional meeting will be held on Tuesday, February 13th, from 1:00 PM - 1:50 PM in THTR 101. If you cannot attend the meeting, you must contact Professor Kamerin to schedule an audition. The deadline to schedule an audition is Friday, February 16th. Twelve hours of lessons and 6 hours of required performance times will be arranged with your instructor. In addition, students are required to practice in the Norco music practice facilities for approximately 10 hours each week. For additional information or to schedule an audition, please contact Professor Kamerin at kim.kamerin@norccollege.edu or 951-738-7703.									
<b>MUS-41 Chamber Singers</b> Prerequisite: None Limitation on enrollment: Audition on or before the first class meeting Description: This course is for the study, rehearsal, and public performance of literature for vocal chamber ensemble, with an emphasis on the development of skills needed to perform within an ensemble. Different literature will be studied each semester. Participation in public performances is required. May be taken a total of four times. 108 hours laboratory. (TBA option)									
32809	MUS-41	Lab		2	MWF	11:15AM-12:35PM	THTR-101	K Kamerin	02/12 - 06/07/24
The above section has additional laboratory hours to be arranged. In addition to the time spent in class, students are expected to perform outside of class at various locations throughout the semester. All concert dates and times will be listed on the class syllabus. Contact the instructor for additional information.									
<b>MUS-52 Recital Performance</b> Prerequisite: NONE Corequisite: MUS-39 or MUS-79 or or MUS-12 or MUS-P12. Lecture and Lab Are Closely Related and Paired Within the Same Discipline. Limitation on enrollment: High competence in a performance medium Description: Preparation and presentation of a 20-25 minute recital performance. 27 hours laboratory. (TBA option)									
32810	MUS-52	Lab		0.5				K Kamerin	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
<b>MUS-55 Community Concert Band</b> Prerequisite: None. Limitation on enrollment: Audition on or before the first class meeting. Description: Study, rehearsal, and public performance of concert band literature, with an emphasis on the development of skills needed to perform within an ensemble. Different literature will be studied each semester. Participation in public performances is required. May be taken a total of four times. 54 hours laboratory. (TBA option) (Letter grade only)									
33208	MUS-55	Lab		1	Th	06:30PM-09:40PM	NOHS-H-28	R Mora	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
33209	MUS-55	Lab		1	Th	06:30PM-09:40PM	NOHS-H-28	R Mora	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
<b>MUS-70 Guitar Lab Ensemble</b> Prerequisite: MUS-37 Limitation on enrollment: Audition on or before first class meeting Description: Study and performance of beginning and intermediate literature for guitar ensemble. May be taken a total of four times. 54 hours laboratory.									
33174	MUS-70	Lab		1	MW	06:30PM-07:35PM	THTR-204	B Palispis	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
<b>MUS-P70 Guitar Lab Ensemble II</b> Prerequisite: None Limitation on enrollment: Audition on or before the first class meeting Description: Advanced guitar ensemble instruction for students who are proficient performers. Ensemble dedicated to the study, rehearsal, and performance of advanced literature written or transcribed for classical guitar ensemble. Different literature will be studied each semester. Participation in public performances required. May be taken a total of four times. 54 hours laboratory.									
33194	MUS-P70	Lab		1	MW	06:30PM-07:35PM	THTR-204	B Palispis	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
<b>MUS-78 Beginning Applied Music II</b> Prerequisite: None Limitation on enrollment: Audition on or before the first class meeting Description: Advanced vocal or instrumental instruction for students who are proficient performers and could benefit from individualized instruction as determined by audition. Course includes individual lessons, supervised practice, individual performance, and jury evaluations. Not designed for beginning students. Course may be taken a total of four times. 108 hours laboratory. (TBA option)									
32813	MUS-78	Lab		2				K Kamerin	02/12 - 06/07/24
The above section is a web-enhanced class and has a 108-hour laboratory requirement to be arranged. Internet access is required. This course offers private study in voice, piano, guitar, bass, or drums. An audition and participation in a Norco College Music ensemble are required. A mandatory instructional meeting will be held on Tuesday, February 13th, from 1:00 PM - 1:50 PM in THTR 101. If you cannot attend the meeting, you must contact Professor Kamerin to schedule an audition. The deadline to schedule an audition is Friday, February 16th. Nine hours of lessons and 6 hours of required performance times will be arranged with your instructor. In addition, students are required to practice in the Norco Music practice facilities for approximately 6 hours each week. For additional information or to schedule an audition, please contact Professor Kamerin at kim.kamerin@norccollege.edu or 951-738-7703.									
<b>MUS-79 Applied Music II</b> Prerequisite: None Limitation on enrollment: Audition on or before the first class meeting. Corequisite: Enrollment in a two-unit performance class. Description: Advanced vocal or instrumental instruction for students who are proficient performers and could benefit from individualized instruction as determined by audition. Each student must complete 10.125 hours per week in a combination of individualized practice, lessons, concert attendance and individual performance. Not designed for beginning students. Course may be taken a total of four times. 162 hours laboratory.									
32814	MUS-79	Lab		3				K Kamerin	02/12 - 06/07/24
The above section is a web-enhanced class and has a 162-hour laboratory requirement to be arranged. Internet access is required. This course offers private study in voice, piano, guitar, bass, or drums. An audition and participation in a Norco College Music ensemble are required. A mandatory instructional meeting will be held on Tuesday, February 13th, from 1:00 PM - 1:50 PM in THTR 101. If you cannot attend the meeting, you must contact Professor Kamerin to schedule an audition. The deadline to schedule an audition is Friday, February 16th. Twelve hours of lessons and 6 hours of required performance times will be arranged with your instructor. In addition, students are required to practice in the Norco music practice facilities for approximately 10 hours each week. For additional information or to schedule an audition, please contact Professor Kamerin at kim.kamerin@norccollege.edu or 951-738-7703.									
<b>MUS-81 Consort Singers</b> Prerequisite: None Limitation on enrollment (e.g. Performance tryout or audition): Audition on or before the first class meeting. Description: Study, rehearsal, and public performance of literature written for vocal ensemble, with an emphasis on the development of skills needed to be a professional musician and section leader within an ensemble. Different literature will be studied each semester. Participation in public performances is required. May be taken a total of four times. 108 hours laboratory. (TBA option) (Letter grade only)									
32815	MUS-81	Lab		2	MWF	11:15AM-12:35PM	THTR-101	K Kamerin	02/12 - 06/07/24
<b>MUS-87 Applied Music Training</b> Prerequisite: None Description: Vocal or instrumental instruction for students who are proficient performers and could benefit from individualized instruction as determined by audition. Each student must complete 54 hours in a combination of individualized practice, lessons, concert attendance and individual performance. Not designed for beginning students. Course may be taken a total of four times. 54 hours laboratory.									



SECT#	Course#	Instruction	ZTC/LTC	Units	Days	Time	Bldg-Room	Instructor	Dates
33091	MUS-87	Lab		1				K Kamerin	02/12 - 06/07/24

The above section is a web-enhanced class and has a 54-hour laboratory requirement to be arranged. Internet access is required. This course offers private study in voice, piano, guitar, bass, or drums. An audition, and participation in a Norco College Music ensemble, are required. A mandatory instructional meeting will be held on Tuesday, February 13th, from 1:00 PM - 1:50 PM in THTR 101. If you cannot attend the meeting, you must contact Professor Kamerin to schedule an audition. The deadline to schedule an audition is Friday, February 16th. 6 hours of lessons and 6 hours of required performance times will be arranged with your instructor. In addition, students are required to practice in the Norco Music practice facilities for approximately 3.5 hours each week. For additional information or to schedule an audition, please contact Professor Kamerin at kim.kamerin@norcocollege.edu or 951-738-7703.

MUS-P87	Applied Music Training II						
Prerequisite: None Limitation on Enrollment (e.g. Performance tryout or audition): Audition on or before the first class meeting. Description: Advanced vocal or instrumental instruction for students who are proficient performers and could benefit from individualized instruction as determined by audition. Each student must complete 54 hours in a combination of individualized practice, lessons, concert attendance and individual performance. Not designed for beginning students. Course may be taken a total of four times. 54 hours laboratory. (TBA option) (Letter grade only)							
33199	MUS-P87	Lab		1		K Kamerin	02/12 - 06/07/24
The above section is a web-enhanced class and has a 54-hour laboratory requirement to be arranged. Internet access is required. This course offers private study in voice, piano, guitar, bass, or drums. An audition, and participation in a Norco College Music ensemble, are required. A mandatory instructional meeting will be held on Tuesday, February 13th, from 1:00 PM - 1:50 PM in THTR 101. If you cannot attend the meeting, you must contact Professor Kamerin to schedule an audition. The deadline to schedule an audition is Friday, February 16th. 6 hours of lessons and 6 hours of required performance times will be arranged with your instructor. In addition, students are required to practice in the Norco Music practice facilities for approximately 3.5 hours each week. For additional information or to schedule an audition, please contact Professor Kamerin at <a href="mailto:kim.kamerin@norcocollege.edu">kim.kamerin@norcocollege.edu</a> or 951-738-7703.							

MUS-89	Music of Multicultural America									
Prerequisite: None. Description: A comparative and integrative study of the multicultural musical styles of the United States. Includes the musics of Native Americans, European Americans, African Americans, Chicano/Latino Americans, and Asian Americans, from their historical roots to the present. Analysis of musical traditions from a technical and a cultural perspective; and sequential development of listening and descriptive skills through a variety of media including films, recordings, and computer-assisted instruction. 54 hours lecture. Letter Grade.										
33205	MUS-89	Lecture		3			ON-LINE	I Zubizarreta	04/15 - 06/07/24	
This is a short term online class. Please note the start and end dates. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>										

MUS-89H	Honors Music of Multicultural America									
Prerequisite: None Limitation on enrollment: Enrollment in the RCCD Honors Program Description: An honors course that offers a comparative and integrative study of the multicultural musical styles of the United States. Includes the musics of Native Americans, European Americans, African Americans, Chicano/Latino Americans, and Asian Americans, from their historical roots to the present. Analysis of musical traditions from a technical and a cultural perspective; and sequential development of listening and descriptive skills through a variety of media including films, recordings, and computer-assisted instruction. Students may not receive credit for both MUS-89 and MUS-89H. 54 hours lecture.										
33090	MUS-89H	Lecture	3	MW	09:15AM-10:40AM	IT-208	M Hawkes	02/12 - 06/07/24		
Canvas and other online applications may be required to complete coursework.										

MUS-93	The Business of Music									
Prerequisite: None. Description: An overview of the business side of performing, recording, and publishing music. Study of contracts, trademarks, copyrights, and marketing including the roles of personal managers, business managers, attorneys, and agents. Overview of songwriting, publishing, recordings, and royalties. Basics of touring, merchandising, and local arrangements. 54 hours lecture. Letter grade.										
32817	MUS-93	Lecture		3	MW	12:45PM-02:10PM	WEQ-W6A		A Yankee	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.										

## MUSIC INDUSTRY STUDIES

MIS-1A	Beginning Performance Techniques For Studio Recording							
Prerequisite: None Limitation on enrollment: Audition on or before the first class meeting Description: Introduction to practical performance techniques for the recording studio. Students will have the opportunity to participate in the planning process of a recording session utilizing techniques such as song formation, microphone technique, mixing and production. The class will culminate in a CD recording. This class is appropriate for vocalists and instrumentalists. 108 laboratory hours.								
32772	MIS-1A	Lab	2	MWF	02:15PM-04:25PM	THTR-204	B Kerr	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.								

MIS-1B	Intermediate Performance Techniques For Studio Recording							
Prerequisite: MIS-1A Description: Continuation of the skills studied in MIS-1A focusing on song collaboration, organization of vocals and instruments needed to record. Students will have the opportunity to participate in the planning process of a recording session utilizing techniques such as song formation, microphone technique, mixing and production. The class will culminate in a CD recording. This class is appropriate for intermediate vocalists and instrumentalists. 108 hours laboratory.								
32773	MIS-1B	Lab	2	MWF	02:15PM-04:25PM	THTR-204	B Kerr	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.								

MIS-1C	Advanced Performance Techniques For Studio Recording							
Prerequisite: MIS-1B Description: Advanced performance techniques for the recording studio. A continuation of the skills studied in MIS-1B the focus of this course is communication, song collaboration, studio session mapping. Students will have the opportunity to lead a collaborative group, duet or solo project toward successful completion/recording utilizing techniques such as song formation, microphone technique, mixing and production. The class will culminate in a CD recording. This class is appropriate for advanced vocalists and instrumentalists. 108 hours laboratory.								
32774	MIS-1C	Lab	2	MWF	02:15PM-04:25PM	THTR-204	B Kerr	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.								

MIS-2	Songwriting								
Prerequisite: MUS-3 Description: Introduction to popular songwriting techniques. Topics covered include chord structure, form, rhythm, melody, harmony, lyrics, chord progressions, preparing lead sheets and arranging. This course is ideal for vocalists and instrumentalists. 18 hours lecture and 54 hours laboratory.									
32775	MIS-2	Lecture	2	T	02:00PM-03:05PM	IT-106	M Snyder	02/12 - 06/07/24	
		Lab		T	03:15PM-04:20PM	IT-106		02/12 - 06/07/24	
		Lab		Th	02:00PM-04:10PM	IT-106		02/12 - 06/07/24	

Canvas and other online applications may be required to complete coursework.

MIS-3	Digital Audio Production 1									
Prerequisite: None Description: This course introduces the techniques and elements of electronic music production. Topics include synthesis, sampling, MIDI sequencing and audio production. Students will create original compositions using electronic music techniques. Students taking this course will complete the official AVID coursework for Pro Tools 101 and 110 and will have the opportunity to obtain AVID Pro Tools User Certification. 54 hours lecture and 54 hours laboratory.										
32776	MIS-3	Lecture		4	TTh	04:30PM-05:55PM	IT-106	M Snyder	02/12 - 06/07/24	
		Lab			TTh	06:05PM-07:30PM	IT-106		02/12 - 06/07/24	
Canvas and other online applications may be required to complete coursework.										



SECT#	Course#	Instruction	ZTC/LTC	Units	Days	Time	Bldg-Room	Instructor	Dates
MIS-4		Digital Audio Production 2							
Prerequisite: MIS-3 Description: This intermediate course continues exploration and application of the elements and techniques of electronic music production. Topics include synthesis, sampling, MIDI sequencing and advanced audio production. Students will create original compositions using electronic music techniques. Students taking this course will complete the official AVID coursework for Pro Tools 201 and 210 and will have the opportunity to obtain AVID Pro Tools Operator Certification. 54 hours lecture and 54 hours laboratory.									
32777	MIS-4	Lecture		4	F	10:45AM-11:50AM	IT-106		02/12 - 06/07/24
					MW	10:45AM-11:35AM	IT-106	B Kerr	02/12 - 06/07/24
		Lab			F	11:50AM-12:55PM	IT-106		02/12 - 06/07/24
		Lab			MW	11:35AM-12:25PM	IT-106		02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
MIS-7		Introduction To Music Technology							
Prerequisite: None Description: This introductory course examines the terminology, equipment, techniques, and concepts related to music technology. The course will survey the principles and practices of audio, MIDI synthesis, notation, and audio recording utilizing hardware and software platforms. 36 hours lecture and 54 hours laboratory.									
32778	MIS-7	Lecture		3	M	04:30PM-05:35PM	IT-106	S Orozco	02/12 - 06/07/24
					W	04:30PM-05:20PM	IT-106		02/12 - 06/07/24
		Lab			MW	05:35PM-06:50PM	IT-106		02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
MIS-11A		Studio Arts Ensemble I							
Prerequisite: None Limitation on enrollment: Audition on or before the first class meeting Description: An ensemble designed for instrumentalists and vocalists interested in the popular music and entertainment industries. This ensemble is open to: singers, guitarists, drummers, bassists, horn players, string players and keyboardists who work collaboratively to study, perform and/or record selected popular musical arrangements. The music studied in this class will be chosen from a diverse body of popular music literature. Subsequent enrollment will provide students an opportunity for additional skill development and competency in the subject area. May be taken a total of two times. 108 hours laboratory. (TBA option)									
32769	MIS-11A	Lab		2	TTh	04:30PM-06:25PM	THTR-101	B Kerr	02/12 - 06/07/24
The above section has additional laboratory hours to be arranged. In addition to the time spent in class, students are expected to perform outside of class at various locations throughout the semester. All concert dates and times will be listed on the class syllabus. Contact the instructor for additional information. Canvas and other online applications may be required to complete coursework.									
MIS-11B		Studio Arts Ensemble II							
Prerequisite: MIS-11A Description: A continuation of the skill development of instrumentalists and vocalists interested in the popular music and entertainment industries. This ensemble is open to: singers, guitarists, drummers, bassists, horn players, string players and keyboardists who work collaboratively to study, perform and/or record selected popular musical arrangements. The music studied in this class will be chosen from a diverse body of popular music literature. Subsequent enrollment will provide students an opportunity for additional skill development and competency in the subject area. May be taken a total of two times. 108 hours laboratory. (TBA option)									
32770	MIS-11B	Lab		2	TTh	04:30PM-06:25PM	THTR-101	B Kerr	02/12 - 06/07/24
The above section has additional laboratory hours to be arranged. In addition to the time spent in class, students are expected to perform outside of class at various locations throughout the semester. All concert dates and times will be listed on the class syllabus. Contact the instructor for additional information. Canvas and other online applications may be required to complete coursework.									
MIS-13		Recording Studio Workshop I							
Prerequisite: MIS-3 and MIS-12 Description: This applied workshop course is a survey of the fundamental principles and practices of audio recording. Topics include sound and hearing, acoustics, the components of various recording systems and signal flow. It provides practical experience with audio hardware, software and recording techniques. Students will engage in digital audio workstation set up (DAWs) and operation, and will run studio and live sessions from set up to tear down. 36 hours lecture and 54 hours laboratory.									
32771	MIS-13	Lecture		3	T	09:40AM-10:30AM	IT-106	J Numa	02/12 - 06/07/24
					Th	09:40AM-10:30AM	IT-106		02/12 - 06/07/24
		Lab			TTh	10:45AM-12:10PM	IT-106		02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
<b>PHILOSOPHY</b>									
PHI-10		Introduction to Philosophy							
Prerequisite: None Advisory: ENG-50 or ENG-80 Description: A survey and exploration of significant questions in the Western philosophical tradition. Questions are drawn from the various branches of philosophy: metaphysics, theory of knowledge, ethics, aesthetics, political philosophy and/or philosophy of religion. Students may not receive credit for both PHI-10 and PHI-10H. 54 hours lecture.									
32823	PHI-10	Lecture		3			ON-LINE	J Sentmanat	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
32824	PHI-10	Lecture		3			ON-LINE	J Sentmanat	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
32825	PHI-10	Lecture		3	TTh	09:40AM-11:05AM	IT-110	J Sentmanat	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
32826	PHI-10	Lecture		3	MW	09:35AM-11:00AM	IT-101	J Sentmanat	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
33240	PHI-10	Lecture		3			CUSD-ONLN	J Sentmanat	02/12 - 06/07/24
The above section is restricted to the CNUHS High School students participating in Norco College's Dual Enrollment Program. The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
PHI-11		Critical Thinking							
Prerequisite: None Advisory: REA-82 Description: Presents critical thinking as a skill to be used for better understanding, evaluating, and constructing arguments. Focus on developing and enhancing the student's ability to identify, analyze, and present arguments. Topics covered through analysis and writing include the nature of argument, inductive and deductive reasoning, rhetoric, theory of knowledge, scientific method, and informal fallacies. 54 hours lecture.									
32828	PHI-11	Lecture		3			ON-LINE	J Gill	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
34316	PHI-11	Lecture		3			ON-LINE	L Montes	04/15 - 06/07/24
The above section is a short term online class. Please note the start and end dates. Computer with Internet access required. See www.rccd.edu/de									
PHI-12		Introduction to Ethics							
Prerequisite: None. Description: A survey of the three major subcategories of ethical theory: metaethics, normative ethics and applied ethics. 54 hours lecture.									
32830	PHI-12	Lecture		3	TTh	11:15AM-12:40PM	HUM-102	J Sentmanat	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									

SECT#	Course#	Instruction	ZTC/LTC	Units	Days	Time	Bldg-Room	Instructor	Dates
PHI-18		Walking With the Dead: An Interdisciplinary Perspective on Death And Dying							
Prerequisite: None Description: An interdisciplinary journey through human responses to death and dying from historical, mythological, religious, philosophical, sociological, cultural, and biological perspectives. Emphasizes the comparison of social, political, and cross-cultural meanings and practices regarding death. Investigates the evolving way in which world cultures have understood the problem of death, dying, and grief through works of literature, history, art, and philosophy. Issues addressed may include: attitudes, beliefs, and meanings of death and dying across religions/cultures; the dying process; living with dying; the American health care system; hospice care; end-of-life decisions; suicide; euthanasia and other biomedical issues; and grief, mourning, the funeral process and cultural norms. (Same as HUM 18) 54 hours lecture.									
33127	PHI-18	Lecture		3	W	06:00PM-09:00PM	ATEC-204	D Ketcham	02/12 - 06/07/24

Canvas and other online applications may be required to complete coursework.

PHI-32	Introduction to Symbolic Logic				
Prerequisite: None Limitation on enrollment: May not be taken if credit for MAT-32 has been granted. Description: Principles of deductive reasoning applying modern symbolic techniques. (Same as MAT-32)					
32831	PHI-32	Lecture	3	ON-LINE	M Murphey 02/12 - 06/07/24

The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

PHI-35	Philosophy of Religion							
Prerequisite: None Advisory: PHI-10 or PHI-11 Description: An introduction to the examination of religious claims from a philosophical perspective. Emphasis will be placed upon examining the rational justification for various traditional faith claims, and upon examining the relationship between rationality and faith. The course presumes a basic knowledge of philosophical argumentation. 54 hours lecture.								
32832	PHI-35	Lecture	3	MW	11:10AM-12:35PM	IT-211	J Sentmanat	02/12 - 06/07/24

Canvas and other online applications may be required to complete coursework.

## PHYSICS

PHY-2A	General Physics I
Prerequisite: None Corequisite: MAT-1A Description: Meets the requirements for students majoring in biological science, including pre-medical and pre-dental students. This course examines: properties of matter; study of kinematics and mechanics, including Newtons laws, energy, momentum, and rotational motion; fluid mechanics; gravitation; study of oscillatory motion; study of wave motion, including sound waves. 54 hours lecture and 54 hours laboratory. (Letter grade)	

32837	PHY-2A	Lecture		4	TTh	11:15AM-12:40PM	ATEC-205	B Babli	02/12 - 06/07/24
		Lab			T	02:00PM-05:10PM	HUM-201		02/12 - 06/07/24

Canvas and other online applications may be required to complete coursework.

PHY-2B	General Physics II
Prerequisite: PHY-2A Description: Meets the requirements for students majoring in biological science, including pre-medical and pre-dental students. This course includes: study of thermodynamics, including temperature, methods of heat transfer, calorimetry, ideal gas law, laws of thermodynamics, entropy, and heat engines; study of electricity and magnetism, including electric field and potential, Gauss Law, current, Ohm's Law, capacitance and inductance, Faradays Law; study of optics, including electromagnetic waves, reflection, refraction, interference, and diffraction; study of modern physics, including the photoelectric effect, de Broglie wavelength, quantum numbers, and radioactive decay. 54 hours lecture and 54 hours laboratory. (Letter grade or Pass/No Pass option)	

32838	PHY-2B	Lecture	ZTC	4	T	06:00PM-09:10PM	IT-111	L Owens	02/12 - 06/07/24
		Lab			Th	06:00PM-09:10PM	HUM-201		02/12 - 06/07/24

Canvas and other online applications may be required to complete coursework.

PHY-4A	Mechanics
Prerequisite: None Corequisite: MAT-1A Description: Examines vectors, particle kinematics and dynamics, work and power, conservation of energy and momentum, rotation, oscillations and gravitation. 54 hours lecture and 54 hours laboratory. (Letter grade)	

32839	PHY-4A	Lecture		4	F	01:00PM-04:10PM	IT-110	Y Lee	02/12 - 06/07/24
		Lab			F	09:00AM-12:10PM	HUM-201	Y Choi	02/12 - 06/07/24

Canvas and other online applications may be required to complete coursework.

32840	PHY-4A	Lecture	ZTC	4	MW	09:15AM-10:40AM	IT-111	L Owens	02/12 - 06/07/24
		Lab			W	01:00PM-04:10PM	HUM-201		02/12 - 06/07/24

Canvas and other online applications may be required to complete coursework.

32841	PHY-4A	Lecture		4	MW	04:10PM-05:35PM	IT-111	B Babli	02/12 - 06/07/24
		Lab			W	06:00PM-09:10PM	HUM-201		02/12 - 06/07/24

Canvas and other online applications may be required to complete coursework.

33212	PHY-4A	Lecture		4	S	09:00AM-12:10PM	IT-110	A Moussaoui	02/24 - 06/01/24
		Lab			S	01:00PM-04:10PM	HUM-201		02/24 - 06/01/24

Canvas and other online applications may be required to complete coursework.

PHY-4B	Electricity and Magnetism
Prerequisite: PHY-4A Corequisite: MAT-1B Description: Study of electric fields, voltage, current, magnetic fields, electromagnetic induction, alternating currents and electromagnetic waves. 54 hours lecture and 54 hours laboratory. (Letter grade)	

32842	PHY-4B	Lecture		4	TTh	08:00AM-09:25AM	IT-110	Y Lee	02/12 - 06/07/24
		Lab			T	09:40AM-12:50PM	HUM-201		02/12 - 06/07/24

Canvas and other online applications may be required to complete coursework.

32843	PHY-4B	Lecture		4	TTh	11:15AM-12:40PM	ST-203	D Seidel	02/12 - 06/07/24
		Lab			Th	02:00PM-05:10PM	HUM-201		02/12 - 06/07/24

Canvas and other online applications may be required to complete coursework.

32844	PHY-4B	Lecture	ZTC	4	MW	04:10PM-05:35PM	IT-110	O Tripathi	02/12 - 06/07/24
		Lab			M	06:00PM-09:10PM	HUM-201		02/12 - 06/07/24

Canvas and other online applications may be required to complete coursework.

PHY-4C	Heat, Light and Waves
Prerequisite: PHY-4A Corequisite: 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)	

32845	PHY-4C	Lecture	ZTC	4	MW	11:10AM-12:35PM	IT-111	L Owens	02/12 - 06/07/24
		Lab			M	01:00PM-04:10PM	HUM-201		02/12 - 06/07/24

Canvas and other online applications may be required to complete coursework.

SECT#	Course#	Instruction	ZTC/LTC	Units	Days	Time	Bldg-Room	Instructor	Dates
PHY-10		Introduction to General Physics							
Prerequisite: None. Description: A non-science major physics course covering mechanics, properties of matter, heat, sound, light, electricity and magnetism, and nuclear physics. 54 hours lecture. (Letter grade only)									
32835	PHY-10	Lecture		3			ON-LINE	O Tripathi	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
33222	PHY-10	Lecture		3			CUSD-ONLN	O Tripathi	02/12 - 06/07/24
The above section is restricted to the High School students participating in Norco College's Dual Enrollment Program. This section is an online class. Computer with Internet access required. See www.rccd.edu/de									

## POLITICAL SCIENCE

POL-1	American Politics								
Prerequisite: None. Description: An introduction to the principles, structures, processes, and culture that inform American politics. Specific focus is placed on the development of the Constitution, the government it engenders, the development of the American polity, the formation of policy, and the connections between the national government and California's government. Students may not receive credit for both POL-1 and POL-1H. 54 hours lecture. (Letter grade only)									
32847	POL-1	Lecture	ZTC	3	TTh	04:10PM-05:35PM	IT-122	R Brown	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
32850	POL-1	Lecture	ZTC	3			ON-LINE	S Popiden	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
32851	POL-1	Lecture	ZTC	3			ON-LINE	S Popiden	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
32852	POL-1	Lecture	ZTC	3			ON-LINE	S Popiden	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
32853	POL-1	Lecture	ZTC	3			ON-LINE	F Carballo	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
32854	POL-1	Lecture	ZTC	3			ON-LINE	E Walker	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
32856	POL-1	Lecture	ZTC	3			CAVA-ONLN	M Shadia	02/12 - 06/07/24
The above section is restricted to students enrolled in the California Virtual Academy (CAVA) only. The section is an online class. Computer internet access required. See www.rccd.edu/de									
32858	POL-1	Lecture	ZTC	3			ON-LINE	C Samuels	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
32860	POL-1	Lecture	ZTC	3	W	11:10AM-12:35PM	ATEC-118 ON-LINE	S Popiden	02/12 - 06/07/24 02/12 - 06/07/24
The above section is a hybrid class; students must attend class in-person as scheduled. Computer with Internet access required. See www.rccd.edu/de									
32861	POL-1	Lecture	ZTC	3	Th	02:30PM-03:55PM	IT-122 ON-LINE	R Brown	02/12 - 06/07/24 02/12 - 06/07/24
This is a hybrid class; students must attend class in-person as scheduled. Computer with Internet access required. See www.rccd.edu/de									
33141	POL-1	Lecture	ZTC	3			ON-LINE	M Shadia	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
33213	POL-1	Lecture	ZTC	3			ON-LINE	C Moffatt	04/15 - 06/07/24
The above section is a short term online class. Please note the start and end dates. Computer with Internet access required. See www.rccd.edu/de									

POL-1H Honors American Politics									
Prerequisite: None Advisory: Enrollment in the Honors Program Description: An introduction to the principles, institutions and critical issues of American politics, with emphasis placed on the national government. Specifically, the course offers an enhanced exploration of the philosophic and ideological sources of the American political system and its political culture, political parties and electoral system as well as political interest groups, mass movements, public policy, the media, the judicial system, and California state and local government. The honors course offers an enriched educational experience for accelerated students through limited class size, seminar format, focus on primary texts, and application of higher-order critical thinking skills. Students may not receive credit for both POL-1 and POL-1H. 54 hours lecture. (Letter grade)									
32864	POL-1H	Lecture	ZTC	3	MW	12:45PM-02:10PM	IT-208	S Popiden	02/12 - 06/07/24
The above section is designed for students in the Honors Program. Canvas and other online applications may be required to complete coursework.									

POL-2 Comparative Politics									
Prerequisite: None Advisory: REA-83 and Qualification of English 1A Description: A comparative study of selected European, Asian, African, Latin American and Middle Eastern political systems. Concerned with broadening and deepening the student's understanding of the nature and variety of political systems. Course topics will include a study of varying institutions, political cultures, identities, issues and policies of case study countries. Students may not receive credit for both POL-2 and POL-2H. 54 hours lecture. (Letter grade only)									
32865	POL-2	Lecture	3	TTh	09:40AM-11:05AM	IT-111	M Shadia	02/12 - 06/07/24	
Canvas and other online applications may be required to complete coursework.									

POL-11	Political Theory							
Prerequisite: None Description: This course will examine the major contributions of political thinkers from Socrates to the present. Political concepts such as democracy, the rule of law, justice, natural rights, sovereignty, citizenship, power, the state, revolution, liberty, reason, materialism, toleration, and the place of religion in society and politics are traced from their origins, through their development and changing patterns, to show how they influence political thinking and institutions today. 54 hours lecture. (Letter grade only)								
32862	POL-11	Lecture	3	TTh	11:15AM-12:40PM	IT-122	A Yanez	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.								

POL-21		Latinx Politics				
Prerequisite: None. Description: An examination of United States structures of political, social, and economic power from the history and experiences of the Latinx population. Students will survey demographic research on the diversity of Latinx identity and political behavior in in the U.S. as well as the institutional relationship that Latinx groups have established and challenge within the U.S. political system. Students will also analyze the political relationship Latinx groups have with the U.S. Constitution and civil society organizations. 54 hours lecture. (Letter grade only)						
32866	POL-21	Lecture	3	ON-LINE	P Flor	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>						
32867	POL-21	Lecture	3	ON-LINE	A Yanez	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>						

SECT#	Course#	Instruction	ZTC/LTC	Units	Days	Time	Bldg-Room	Instructor	Dates
32868	POL-21	Lecture		3	W	06:00PM-09:10PM	HUM-111	A Yanez	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
32869	POL-21	Lecture		3	MW	04:10PM-05:35PM	IT-122	A Yanez	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
33204	POL-21	Lecture		3			ON-LINE	A Yanez	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
33214	POL-21	Lecture		3			ON-LINE	A Yanez	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									

#### POL-23 Race, Ethnicity and Politics in America

Prerequisite: None. Description: An examination of United States institutions of social, political and economic power from the history and experiences of minoritized populations such as African Americans, Latinas/os, Native Americans, Women, Asian Americans, and Immigrants. Students will analyze the U.S. Constitution as well the legislative, executive and judicial branches of governance with regard to citizenship, pluralism, and civil rights and liberties. Other emphases will be on diverse forms of political participation and how it influences U.S. institutions at the local, state and federal levels in movements towards achieving social justice. 54 hours lecture. (Letter grade only)

32870	POL-23	Lecture		3			ON-LINE	P Flor	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
32871	POL-23	Lecture		3			ON-LINE	J Hunt	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
32872	POL-23	Lecture		3			ON-LINE	J Hunt	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
32873	POL-23	Lecture		3	M	06:00PM-09:10PM	IT-122	P Flor	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
33215	POL-23	Lecture		3			ON-LINE	J Hunt	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									

## PSYCHOLOGY

#### PSY-1 General Psychology

Prerequisite: None. Description: Historical and philosophical antecedents of contemporary psychology; the scientific study of behavior and mental processes as systemized in learning, motivation, emotion, personality, intelligence, and thought. 54 hours lecture. Letter grade

32874	PSY-1	Lecture		3	MW	12:45PM-02:10PM	IT-122	R Sulman	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
32875	PSY-1	Lecture	ZTC	3			ON-LINE	K Zamiska	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
32876	PSY-1	Lecture	ZTC	3			ON-LINE	K Zamiska	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
32877	PSY-1	Lecture	ZTC	3			ON-LINE	K Zamiska	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
32878	PSY-1	Lecture		3			ON-LINE	V Agars	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
32879	PSY-1	Lecture		3	TTh	09:40AM-11:05AM	IT-117	R Webb	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
32880	PSY-1	Lecture		3			ON-LINE	V Agars	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
32882	PSY-1	Lecture		3			JVHS-ONLN	R Webb	02/12 - 06/07/24
The above section is restricted to Jurupa Valley High School students participating in Norco College's Dual Enrollment Program. The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
32884	PSY-1	Lecture	ZTC	3	TTh	11:15AM-12:40PM	IT-109	L Adams	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
33144	PSY-1	Lecture		3			ON-LINE	B Adams	02/12 - 03/22/24
The above section is a short term class. Please note the start and end dates. Canvas and other online applications may be required to complete coursework. #/de									
33145	PSY-1	Lecture		3			ON-LINE	G Curasi	04/24 - 06/07/24
The above section is a short term class. Please note the start and end dates. Canvas and other online applications may be required to complete coursework.									
33146	PSY-1	Lecture		3			ERHS-ONLN	R Webb	02/12 - 06/07/24
The above section is restricted to the High School students participating in Norco College's Dual Enrollment Program. This section is an online class. Computer with Internet access required. See www.rccd.edu/de									
33252	PSY-1	Lecture		3			CUSD-ONLN	K Zamiska	02/12 - 06/07/24
The above section is restricted to the High School students participating in Norco College's Dual Enrollment Program. This section is an online class. Computer with Internet access required. See www.rccd.edu/de									
33253	PSY-1	Lecture		3			CUSD-ONLN	V Agars	02/12 - 06/07/24
The above section is restricted to the High School students participating in Norco College's Dual Enrollment Program. This section is an online class. Computer with Internet access required. See www.rccd.edu/de									
33254	PSY-1	Lecture		3			CUSD-ONLN	K Zamiska	02/12 - 06/07/24
The above section is restricted to the High School students participating in Norco College's Dual Enrollment Program. This section is an online class. Computer with Internet access required. See www.rccd.edu/de									

#### PSY-2 Biological Psychology

Prerequisite: PSY-1 Description: The scientific study of brain-behavior relationships and mental processes. Issues addressed include: historical scientific contributions and current research principles for studying brain-behavior associations and mental processes, basic nervous system structure and function, sensory and motor systems, emotion, motivation, learning and memory, sleep and dreaming, and neurological and mental disorders. Ethical standards for human and animal research are discussed in the context of both invasive and non-invasive experimental investigations. 54 hours lecture.

SECT#	Course#	Instruction	ZTC/LTC	Units	Days	Time	Bldg-Room	Instructor	Dates
32886	PSY-2	Lecture		3	TTh	09:40AM-11:05AM	IT-101	L Adams	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
32887	PSY-2	Lecture		3			ON-LINE	L Adams	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
32888	PSY-2	Lecture		3			ON-LINE	L Adams	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
33198	PSY-2	Lecture		3			ON-LINE	L Adams	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
<b>PSY-8 Social Psychology</b>									
Prerequisite: None. Description: An introduction to the study of individual human behavior in relation to the social environment. It includes emphasized topics such as aggression, prejudice, interpersonal attraction, attitude change, gender roles, and social cognition. 54 hours lecture.									
32900	PSY-8	Lecture		3			CUSD-ONLN	R Sulman	02/12 - 06/07/24
The above section is restricted to the High School students participating in Norco College's Dual Enrollment Program. This section is an online class. Computer with Internet access required. See www.rccd.edu/de									
32901	PSY-8	Lecture	ZTC	3	TTh	08:00AM-09:25AM	IT-122	M Wilson	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
32902	PSY-8	Lecture	ZTC	3			ON-LINE	M Wilson	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
33168	PSY-8	Lecture	ZTC	3			ON-LINE	P Jonnalagadda	02/12 - 04/05/24
The above section is a short term online class. Please note the start and end dates. Computer with Internet access required. See www.rccd.edu/de									
<b>PSY-9 Developmental Psychology</b>									
Prerequisite: None Description: Examines the prevailing theories and research of developmental psychology and the stages of human development from conception to death. 54 Lecture hours, Letter grade.									
32903	PSY-9	Lecture		3			ON-LINE	T Caddell	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
32904	PSY-9	Lecture		3	MW	11:10AM-12:35PM	IT-109	R Sulman	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
32905	PSY-9	Lecture		3			ON-LINE	T Caddell	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
32906	PSY-9	Lecture		3			ON-LINE	W Holmquist	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
32907	PSY-9	Lecture		3			ON-LINE	B Adams	03/18 - 05/03/24
The above section is a short term class. Please note the start and end dates. Canvas and other online applications may be required to complete coursework.									
32908	PSY-9	Lecture		3			SANT-ONLN	P Jonnalagadda	02/12 - 06/07/24
The above section is restricted to Santiago High School students participating in Norco College's Dual Enrollment Program. This section is an online class. Computer with Internet access required. See www.rccd.edu/de									
32909	PSY-9	Lecture		3			ERHS-ONLN	V Agars	02/12 - 06/07/24
The section is restricted to Eleanor Roosevelt High School students participating in Norco College's Dual Enrollment Program. This section is an online class. Computer with Internet access required. See www.rccd.edu/de									
32910	PSY-9	Lecture	ZTC	3	TTh	02:30PM-03:55PM	IT-108	J Hicks	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
<b>PSY-10 Personal and Social Adjustment</b>									
Prerequisite: None. Description: An applied biopsychosocial approach to prepare students for a lifelong understanding of themselves as integrated persons, taking into account the influence of culture, ethnicity, gender, and socioeconomic status. Explores opportunities for adjustment and growth in a variety of circumstances, such as family, work, and interpersonal relationships. Topics include personal development through the life cycle, biological, psychological, and social aspects of stress, personal coping skills, interpersonal communication, family relationships, and effective integration of work with leisure. 54 hours lecture. (Letter grade only)									
32885	PSY-10	Lecture		3			ON-LINE	T Caddell	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
33255	PSY-10	Lecture		3			CUSD-ONLN	T Caddell	02/12 - 06/07/24
The above section is restricted to the High School students participating in Norco College's Dual Enrollment Program. This section is an online class. Computer with Internet access required. See www.rccd.edu/de									
<b>PSY-11 Psychology of Human Sexuality</b>									
Prerequisite: None Description: Explores empirical findings and theories about topics related to human sexuality and intimate relationships from the areas of clinical, developmental, evolutionary, biological, and social psychology. Examines sexual attitudes, values and behaviors in the context of the student's own moral framework, cultural norms, and contemporary society. 54 hours lecture. (Letter grade)									
33159	PSY-11	Lecture	ZTC	3			ON-LINE	L Adams	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
33257	PSY-11	Lecture		3			CUSD-ONLN	L Adams	02/12 - 06/07/24
The above section is restricted to the High School students participating in Norco College's Dual Enrollment Program. This section is an online class. Computer with Internet access required. See www.rccd.edu/de									
<b>PSY-35 Abnormal Psychology</b>									
Prerequisite: None. Description: Survey of historical and contemporary approaches to diagnosing, understanding, and treating major forms of psychological disorder, including: anxieties, fears, obsessions, psychoses, sexual and personality disorders, disorders of childhood and adolescence. 54 hours lecture. (Letter grade only)									
32890	PSY-35	Lecture		3			ON-LINE	G Curasi	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See www.rccd.edu/de									
33169	PSY-35	Lecture		3			ON-LINE	S Chapman	04/15 - 06/07/24
The above section is a short term online class. Please note the start and end dates. Computer with Internet access required. See www.rccd.edu/de									
<b>PSY-48 Statistics for the Behavioral Sciences</b>									
Prerequisite: MAT-35, MAT-37 or MAT-42 or qualifying placement level Description: Introduction to basic statistical methods and analyses commonly used in behavioral science research. Topics cover both inferential and descriptive statistics including correlations, regression analysis, chi-squares, t-tests, analysis of variance, and an introduction to factorial designs. This course covers the logic of hypothesis testing and emphasizes conceptualization of material and interpreting findings for use in behavioral science research above									



SECT#	Course#	Instruction	ZTC/LTC	Units	Days	Time	Bldg-Room	Instructor	Dates
computation. This course trains students to use a statistical software package used by behavioral science researchers and prepares them to proficiently consume published research in the behavioral sciences. 54 hours lecture.									
32891	PSY-48	Lecture	LTC	3			ON-LINE	M Wilson	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
32892	PSY-48	Lecture	LTC	3			ON-LINE	M Wilson	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
32893	PSY-48	Lecture	LTC	3	MW	12:45PM-02:10PM	IT-109	M Wilson	02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
<b>PSY-50 Research Methods in Psychology</b>									
Prerequisite: PSY-1 and PSY-48 or MAT-12 or MAT-12H Description: Introduces students to psychological research methods with emphasis on the use of the scientific method. The laboratory will complement the lectures and allow each student to design and conduct behavioral research, including collecting and analyzing research data. 63 hours lecture and 27 hours laboratory.									
32894	PSY-50	Lecture	ZTC	4			ON-LINE	K Zamiska	02/12 - 06/07/24
		Lab					ON-LINE		02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
32895	PSY-50	Lecture	ZTC	4	MW	12:45PM-02:35PM	IT-108	K Zamiska	02/12 - 06/07/24
		Lab			W	11:00AM-12:25PM	IT-108		02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									
32896	PSY-50	Lecture	ZTC	4			ON-LINE	K Zamiska	02/12 - 06/07/24
		Lab			T	02:30PM-03:55PM	IT-109		02/12 - 06/07/24
The above section is a hybrid class; students must attend class in-person as scheduled. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									

## REAL ESTATE

<b>RLE-80 Real Estate Principles</b>									
Prerequisite: None. Description: The real estate principles course covers basic laws and principles of California real estate; fundamentals, terminology, concepts, current practices and current market trends in real estate. Assists those preparing for the real estate sales person and broker license examination. 54 hours lecture. Letter grade.									
32911	RLE-80	Lecture		3			ON-LINE	L Namazi	02/12 - 04/05/24
The above section is a short-term online class. Please note the start and end dates. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a> .									
32912	RLE-80	Lecture		3			ON-LINE	L Namazi	04/15 - 06/07/24
The above section is a short-term online class. Please note the start and end dates. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a> .									
32913	RLE-80	Lecture		3			CUSD-ONLN	J Valdez	02/12 - 06/07/24
The above is an online class and is restricted to the CNUHS High School students participating in Norco College's Dual Enrollment Program. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
<b>RLE-81 Real Estate Practices</b>									
Prerequisite: None Description: Covers basic laws and principles of California real estate, terminology and daily operations in a real estate brokerage. Includes listing, prospecting, advertising, financing, sales techniques, escrow and ethics. Applies toward state's educational requirements for the brokers examination. 54 hours lecture.									
32914	RLE-81	Lecture		3			ON-LINE	L Namazi	02/12 - 04/05/24
The above section is a short term online class. Please note the start and end dates. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a> .									
32915	RLE-81	Lecture		3			ON-LINE	J Gonzalez	04/15 - 06/07/24
The above section is a short term online class. Please note the start and end dates. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a> .									
<b>RLE-82 Legal Aspects of Real Estate</b>									
Prerequisite: None Description: Covers California real estate law, including rights incident to property ownership and management, agency, contracts, and application to real estate transfer, conveyance, probate proceedings, trust deeds, and foreclosure, as well as recent legislation governing real estate transactions. Applies toward educational requirement of brokers examination. 54 hours lecture. (Letter grade only)									
32916	RLE-82	Lecture		3			ON-LINE	J Alpay	02/12 - 04/05/24
The above section is a short term online class. Please note the start and end dates. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a> .									
32917	RLE-82	Lecture		3			ON-LINE	J Alpay	04/15 - 06/07/24
The above section is a short term online class. Please note the start and end dates. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a> .									
<b>RLE-83 Real Estate Finance</b>									
Prerequisite: None. Description: Analysis of real estate financing, including lending policies and problems in financing transactions in residential, apartment, commercial, and special purpose properties. Methods of financing properties emphasized. 54 hours lecture. (Letter grade only)									
32918	RLE-83	Lecture		3			ON-LINE	S Doll	02/12 - 04/05/24
The above section is a short term online class. Please note the start and end dates. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a> .									
32919	RLE-83	Lecture		3			ON-LINE	S Doll	04/15 - 06/07/24
The above section is a short term online class. Please note the start and end dates. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a> .									
<b>RLE-85 Real Estate Economics</b>									
Prerequisite: None Description: Trends and factors affecting the value of real estate; the nature and classification of land economics; the development of property, construction and subdivision, economic values and real estate evaluation; real estate cycles and business fluctuations, residential market trends, real and special purpose property trends. 54 hours lecture. (Letter grade only)									
32920	RLE-85	Lecture		3			ON-LINE	S Doll	04/15 - 06/07/24
The above section is a short term online class. Please note the start and end dates. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a> .									

## SOCIAL JUSTICE STUDIES

<b>SJS-110 Introduction to Social Justice Studies Justice</b>									
Prerequisite: None Advisory: ENG-1A Description: An intersectional examination of marginalized identities, including dimensions of race, ethnicity, gender, sexuality, and class in narrative and theoretical texts. Focus is on contemporary socioeconomic, cultural, and political issues in the US in comparative and historical context. Written and oral analysis of critical theories and practices for resistance, transformation, and liberation. 54 hours lecture. (Letter grade or Pass/No Pass)									
33184	SJS-110	Lecture		3			ON-LINE	T Griffith	04/15 - 06/07/24
The above section is a short term online class. Please note the start and end dates. Computer with Internet access required. See <a href="http://www.rccd.edu/de/de">www.rccd.edu/de/de</a>									

SECT#	Course#	Instruction	ZTC/LTC	Units	Days	Time	Bldg-Room	Instructor	Dates
-------	---------	-------------	---------	-------	------	------	-----------	------------	-------

## SOCIOLOGY

### SOC-1 Introduction to Sociology

Prerequisite: None. Advisory: ENG-50 or ENG-80 or qualifying placement. Description: An introduction to the basic concepts relating to the study of society. Includes investigation into the foundations of sociology including its overall perspective, theoretical orientations, and research methodology; the foundations of social life including the components of culture, social interaction and the process of socialization, groups, organizations, and deviance; economic social inequality based upon class, race, sex, and age; social institutions; and dimensions of social change. Students may not receive credit for both SOC-1 and 1H. 54 hours lecture. (Letter grade only)

32923	SOC-1	Lecture	3				ON-LINE	R Cedillo	02/12 - 06/07/24
-------	-------	---------	---	--	--	--	---------	-----------	------------------

The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

32924	SOC-1	Lecture	3				ON-LINE	R Cedillo	02/12 - 06/07/24
-------	-------	---------	---	--	--	--	---------	-----------	------------------

The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

32925	SOC-1	Lecture	3	MW		09:15AM-10:40AM	IT-109	M Ysais	02/12 - 06/07/24
-------	-------	---------	---	----	--	-----------------	--------	---------	------------------

Canvas and other online applications may be required to complete coursework.

32926	SOC-1	Lecture	3				ON-LINE	F Vu	02/12 - 06/07/24
-------	-------	---------	---	--	--	--	---------	------	------------------

The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

32927	SOC-1	Lecture	3				ON-LINE	F Vu	02/12 - 06/07/24
-------	-------	---------	---	--	--	--	---------	------	------------------

The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

32928	SOC-1	Lecture	3	W		06:00PM-09:10PM	IT-109	H Martinez	02/12 - 06/07/24
-------	-------	---------	---	---	--	-----------------	--------	------------	------------------

Canvas and other online applications may be required to complete coursework.

32931	SOC-1	Lecture	3	TTh		08:00AM-09:25AM	IT-109	R Cedillo	02/12 - 06/07/24
-------	-------	---------	---	-----	--	-----------------	--------	-----------	------------------

Canvas and other online applications may be required to complete coursework.

33258	SOC-1	Lecture	3				CUSD-ONLN	F Vu	02/12 - 06/07/24
-------	-------	---------	---	--	--	--	-----------	------	------------------

The above section is restricted to the High School students participating in Norco College's Dual Enrollment Program. This section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

### SOC-2 American Social Problems

Prerequisite: None Description: Identification and analysis of major social issues confronting contemporary 21st century America; emphasizing, among other topics, urban and rural transformations, family life, race and ethnic relations, gender, sexual orientation, criminal and delinquent behavior. 54 hours lecture. (Letter grade only)

32939	SOC-2	Lecture	3				ON-LINE	H Martinez	02/12 - 06/07/24
-------	-------	---------	---	--	--	--	---------	------------	------------------

The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

### SOC-3 Social Inequality

Prerequisite: None Description: This course introduces students to the extent of inequality in its various forms in American society, the consequences of inequality for individual life chances and for society as a whole, the theoretical explanations given for the existence of inequality, and to the persistence of inequality and poverty. 54 hours lecture. (Letter grade only)

32943	SOC-3	Lecture	3				ON-LINE	I Jraisat	04/15 - 06/07/24
-------	-------	---------	---	--	--	--	---------	-----------	------------------

The above section is a short term online class. Please note the start and end dates. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

### SOC-10 Race And Ethnic Relations

Prerequisite: None Description: An introduction to the relevant theories and operational definitions that ground the study of race and ethnic relations in the social sciences. Extensive treatment of prejudice, discrimination and the concept of racism. The course brings into sharper focus the history and contemporary status of White ethnics, religious minorities, American-Indians, African-Americans, Hispanic-Americans, and women in the United States. Social institutions, such as family, education, politics, and the economy receive special attention for each group. The similarities and differences in ethnic hostilities between the U.S. and other societies are closely examined. Students may not receive credit for both SOC-10 and 10H. 54 hours lecture. (Letter grade only)

32933	SOC-10	Lecture	3	TTh		09:40AM-11:05AM	IT-109	R Cedillo	02/12 - 06/07/24
-------	--------	---------	---	-----	--	-----------------	--------	-----------	------------------

Canvas and other online applications may be required to complete coursework.

32935	SOC-10	Lecture	3				ON-LINE	R Cedillo	02/12 - 06/07/24
-------	--------	---------	---	--	--	--	---------	-----------	------------------

The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

### SOC-12 Marriage and Family Relations

Prerequisite: None Advisory: SOC-1 Description: Examines the major trends in marriage, families, and intimate relationships. Focuses on how inequality and diversity affect intimate and family relations. Discusses the dynamics of inequality among families and couples and how family life is shaped by race and ethnicity, social class, and sexuality. Discusses issues of interpersonal violence, divorce, and life in later years. 54 hours lecture. (Letter grade)

32936	SOC-12	Lecture	3	TTh		02:30PM-03:55PM	IT-110	M Ysais	02/12 - 06/07/24
-------	--------	---------	---	-----	--	-----------------	--------	---------	------------------

Canvas and other online applications may be required to complete coursework.

### SOC-15 Introduction to Women's Studies

Prerequisite: None. Description: An introduction to the origins, purpose, subject matter, and methods of Women's Studies and to feminist perspectives on a range of social issues affecting women of diverse backgrounds. Study of gender and its intersections with race, class, sexuality, dis/ability, age, religion, and other systems of difference. 54 hours lecture.

32938	SOC-15	Lecture	3				ON-LINE	M Ysais	02/12 - 06/07/24
-------	--------	---------	---	--	--	--	---------	---------	------------------

The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

### SOC-20 Introduction to Criminology

Prerequisite: None. Description: An introduction to the fundamentals of Criminology; including surveys of the theories of crime, statistical procedures and research methodology, types of crime, criminal etiology, the origins and features of criminal law, the police, courts, and corrections. An analysis of the interrelations between social organization, the perceptions of social harm, and the dynamics of social control. 54 hours lecture. (Letter grade only)

32941	SOC-20	Lecture	3				ON-LINE	M McKail	02/12 - 06/07/24
-------	--------	---------	---	--	--	--	---------	----------	------------------

The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

32942	SOC-20	Lecture	3	TTh		04:10PM-05:35PM	IT-109	C Johnson	02/12 - 06/07/24
-------	--------	---------	---	-----	--	-----------------	--------	-----------	------------------

Canvas and other online applications may be required to complete coursework.

## SPANISH

### SPA-1 Spanish 1

Prerequisite: None Advisory: Completion of placement test to assess level of proficiency in Spanish. Description: Develops basic skills in listening, reading, speaking and writing. Emphasis on acquisition of vocabulary, structures and grammatical patterns necessary for comprehension of native spoken and written Spanish at the beginning level. Includes discussion of Hispanic culture and daily life. Students may receive credit for only one of the following: SPA-1 or SPA-1H. 90 hours lecture and 18 hours laboratory. (TBA option) (Letter Grade, or Pass/No Pass option.)

SECT#	Course#	Instruction	ZTC/LTC	Units	Days	Time	Bldg-Room	Instructor	Dates
32944	SPA-1	Lecture Lab		5			ON-LINE ON-LINE	L Rosales	02/12 - 06/07/24 02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
32945	SPA-1	Lecture Lab		5			ON-LINE ON-LINE	A Lomeli Gomez	02/12 - 06/07/24 02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
32946	SPA-1	Lecture Lab		5	MW	09:45AM-11:20AM	LIBR-109 ON-LINE ON-LINE	A Vargas Barragan	02/12 - 06/07/24 02/12 - 06/07/24 02/12 - 06/07/24
The above section is a hybrid class; students must attend class in-person as scheduled. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
32947	SPA-1	Lecture Lab		5			ON-LINE ON-LINE	V Hernandez Mancera	02/12 - 06/07/24 02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
32948	SPA-1	Lecture Lab		5			ON-LINE ON-LINE	A Covarrubias	04/15 - 06/07/24 04/15 - 06/07/24
The above section is a short term online class. Please note the start and end dates. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
32949	SPA-1	Lecture Lab		5	TTh	06:00PM-07:35PM	LIBR-109 ON-LINE ON-LINE	M Godinez Davila	02/12 - 06/07/24 02/12 - 06/07/24 02/12 - 06/07/24
The above sections is a hybrid class; students must attend class in-person as scheduled. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
32951	SPA-1	Lecture Lab		5			ON-LINE ON-LINE	D Voyer	02/12 - 04/05/24 02/12 - 04/05/24
The above section is a short term online class. Please note the start and end dates. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
32952	SPA-1	Lecture Lab		5	TTh	09:45AM-11:20AM	LIBR-109 ON-LINE ON-LINE	A Covarrubias	02/12 - 06/07/24 02/12 - 06/07/24 02/12 - 06/07/24
The above hybrid class has an 18-hour laboratory requirement to be completed online. Students must attend class in-person as scheduled. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
33241	SPA-1	Lecture Lab		5			CUSD-ONLN CUSD-ONLN	V Hernandez Mancera	02/12 - 06/07/24 02/12 - 06/07/24
The above section is restricted to the CNUSD High School students participating in Norco College's Dual Enrollment Program. The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
SPA-2 Spanish 2 Prerequisite: SPA-1B or SPA-1 or SPA-1H, or qualifying placement level on the Spanish assessment test or the equivalent Description: Further development of basic skills in listening, reading, speaking and writing. A continued emphasis on the acquisition of vocabulary, structures and grammatical patterns necessary for comprehension of standard spoken and written Spanish at the beginning level. This course includes an expanded discussion of Hispanic culture and daily life. Students may not receive credit for both SPA-2 and SPA-2H. 90 hours lecture and 18 hours laboratory. (TBA option)(Letter Grade, or Pass/No Pass option.)									
32954	SPA-2	Lecture Lab		5	TTh	08:00AM-09:35AM	LIBR-109 ON-LINE ON-LINE	A Covarrubias	02/12 - 06/07/24 02/12 - 06/07/24 02/12 - 06/07/24
The above hybrid class has an 18-hour laboratory requirement to be completed online. Students must attend class in-person as scheduled. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
32955	SPA-2	Lecture Lab		5			ON-LINE ON-LINE	D Voyer	04/15 - 06/07/24 04/15 - 06/07/24
The above section is a short term online class. Please note the start and end dates. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
SPA-3 Spanish 3 Prerequisite: SPA-2 or SPA-2H or qualifying placement level on the Spanish assessment test or the equivalent Description: Development of intermediate skills in listening, reading, speaking and writing. A continued emphasis on the acquisition of vocabulary, structures and grammatical patterns necessary for comprehension of standard spoken and written Spanish at the intermediate level. Includes an expanded discussion of Hispanic culture and daily life. 90 hours lecture and 18 hours laboratory. (TBA option) (Letter Grade, or Pass/No Pass option.))									
32958	SPA-3	Lecture Lab		5			ON-LINE ON-LINE	N Guillen	02/26 - 06/07/24 02/26 - 06/07/24
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
SPA-4 Spanish 4 Prerequisite: SPA-3 or SPA-3N, qualifying placement level on the Spanish assessment test or the equivalent Description: Further development of intermediate skills in listening, reading, speaking and writing. A review of the vocabulary, structures and grammatical patterns necessary for comprehension of standard spoken and written Spanish at the intermediate level. Enhancement of basic Spanish language skills through the reading of authentic literary and factual texts. Includes an expanded discussion of Hispanic culture and daily life. 90 hours lecture and 18 hours laboratory. (TBA option) (Letter Grade, or Pass/No Pass option.)									
32960	SPA-4	Lecture Lab		5	TTh	06:00PM-07:35PM	IT-208 ON-LINE ON-LINE	I Vejar	02/12 - 06/07/24 02/12 - 06/07/24 02/12 - 06/07/24
The above section is a hybrid class; students must attend class in-person as scheduled. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
SPA-8 Intermediate Conversation Prerequisite: SPA-2 or SPA-2H or SPA-3 or SPA-3N or SPA-4 Description: Intermediate-level vocabulary building and improvement of speaking proficiency in the context of Hispanic culture, daily life, and topics of current interest. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)									
32961	SPA-8	Lecture		3			ON-LINE	I Vejar	02/12 - 06/07/24
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									

## SUPPLY CHAIN AUTOMATION

### SCA-1 Introduction to Automated Warehousing

Prerequisites: NONE Description: An industrial technology overview course covering the basic knowledge and skills needed for supply chain technicians to successfully work in an automated distribution center. Introduction to the troubleshooting and maintenance of complex electromechanical systems is a major focus of this class. 36 hours lecture and 54 hours laboratory. Same as SCT-1.

SECT#	Course#	Instruction	ZTC/LTC	Units	Days	Time	Bldg-Room	Instructor	Dates
33117	SCA-1	Lecture		3	M	08:00AM-10:05AM	IT-124	J Vela	02/12 - 06/07/24
		Lab			M	10:15AM-01:25PM	IT-124		02/12 - 06/07/24

Canvas and other online applications may be required to complete coursework.

#### SCA-10 Industrial Automation 1

Prerequisite: NONE Description: An introduction to the principles of industrial automation technology, including basic functions, techniques, and tools used in warehousing and distribution centers and their role in logistics. Emphasis is placed on developing basic operations and maintenance competencies and introducing warehouse automated distribution center technology. Topics include safety, concepts concerning terminology, and operation of automated machines, tools, troubleshooting, blueprint analysis, measurement, electrical, pneumatic, and sensor operation. 54 hours lecture and 54 hours laboratory. (Same as IAT-10) (Letter grade or Pass/No Pass option)

32921	SCA-10	Lecture		4	W	08:00AM-11:10AM	IT-124	J Vela	02/12 - 06/07/24
		Lab			W	11:20AM-02:30PM	IT-124		02/12 - 06/07/24

Canvas and other online applications may be required to complete coursework.

## THEATER ARTS

#### THE-3 Introduction to the Theater

Prerequisite: None Description: A comprehensive study of theatrical styles and forms with units in directing, acting, designing, technical theater, playwriting, and genres, to acquaint the student with the diverse nature of theater leading to an appreciation and understanding of theater as a separate and distinctive art form. 54 hours lecture.

32962	THE-3	Lecture		3			ON-LINE	O Johnston II	02/12 - 06/07/24
-------	-------	---------	--	---	--	--	---------	---------------	------------------

The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

32965	THE-3	Lecture	ZTC	3			ON-LINE	O Johnston II	04/15 - 06/07/24
-------	-------	---------	-----	---	--	--	---------	---------------	------------------

The above section is a short term online class. Please note the start and end dates. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

32966	THE-3	Lecture	ZTC	3			ON-LINE	O Johnston II	04/15 - 06/07/24
-------	-------	---------	-----	---	--	--	---------	---------------	------------------

The above section is a short term online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de). Please note the start and end dates.

#### THE-32 Acting Fundamentals - Theater Games and Exercises

Prerequisite: None Description: Foundation training for actors through theater games and improvisational exercises for developing expressive freedom, creativity, relaxation, sensory awareness and concentration. Development and preparation of the actor's instrument: voice, speech, body and imagination. Beginning of relationship and motivation. 36 hours lecture and 54 hours laboratory.

32968	THE-32	Lecture		3	T	03:25PM-04:15PM	WEQ-W7	J Johnson	02/12 - 06/07/24
					Th	03:25PM-04:30PM	WEQ-W7		02/12 - 06/07/24
		Lab			TTh	04:35PM-06:00PM	WEQ-W7		02/12 - 06/07/24

Canvas and other online applications may be required to complete coursework.

## WORK EXPERIENCE

#### WKX-200 General Work Experience

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).

32969	WKX-200	Lecture		1			ON-LINE	R Wolfer	02/12 - 06/07/24
-------	---------	---------	--	---	--	--	---------	----------	------------------

The above section is an online class. Computer with Internet access required (see [www.rccd.edu/de](http://www.rccd.edu/de)). In addition to the online lecture, students are required to attend an on-campus orientation the first week of the semester. Enrolled students will be contacted to schedule the orientation before the start of the term. Students must also log hours at an approved worksite and attend one in-person meeting with the instructor.

## Non-Credit Classes

SECT#	Course#	Instruction	ZTC/LTC	Units	Days	Time	Bldg-Room	Instructor	Dates
-------	---------	-------------	---------	-------	------	------	-----------	------------	-------

### ACCOUNTING

ACC-801 Setting Up Quickbooks for Small Business

Prerequisite: None Course Credit Recommendation: Non-Credit Description: Learn the basics of small business bookkeeping using QuickBooks, financial reporting, and how to analyze and record financial transactions. Discusses accounts receivable, accounts payable, payroll procedures, sales taxes and common banking activities. 16 hours lecture. (Pass/No Pass only)

32019	ACC-801	Lecture		0			ON-LINE	S Schepler	02/12 - 03/08/24 02/12 - 03/08/24
-------	---------	---------	--	---	--	--	---------	------------	--------------------------------------

The above is a short term online class. Please note the start and end dates. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

32020	ACC-801	Lecture		0			ON-LINE	S Schepler	02/12 - 03/08/24 02/12 - 03/08/24
-------	---------	---------	--	---	--	--	---------	------------	--------------------------------------

The above is a short term online class. Please note the start and end dates. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

ACC-802 Monthly Procedures Using Quickbooks

Prerequisite: None Course Credit Recommendation: Non-Credit Description: Develop and apply monthly procedures used in accounting for small business. Continue to build small business accounting knowledge, gain practical experience working with day to day transactions. Reconcile balance sheet accounts and examine/audit income statement accounts on a monthly basis. Prepare adjusting journal entries. Prepare financial statements. 16 hours lecture. (Pass/No Pass only)

32021	ACC-802	Lecture		0			ON-LINE	S Schepler	03/11 - 04/05/24 03/11 - 04/05/24
-------	---------	---------	--	---	--	--	---------	------------	--------------------------------------

The above is a short term online class. Please note the start and end dates. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

32022	ACC-802	Lecture		0			ON-LINE	S Schepler	03/11 - 04/05/24 03/11 - 04/05/24
-------	---------	---------	--	---	--	--	---------	------------	--------------------------------------

The above is a short term online class. Please note the start and end dates. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

ACC-803 Year End Procedures With Quickbooks

Prerequisite: None Course Credit Recommendation: Non-Credit Description: Develop and apply year end procedures used in accounting for small business using QuickBooks. Prepare closing journal entries for year end. Prepare reports for tax accountants. Purge files and prepare for the new year. 16 hours lecture. (Pass/No Pass only)

32023	ACC-803	Lecture		0			ON-LINE	S Schepler	04/15 - 05/10/24 04/15 - 05/10/24
-------	---------	---------	--	---	--	--	---------	------------	--------------------------------------

Then above is a short term online class. Please note the start and end dates. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

32024	ACC-803	Lecture		0			ON-LINE	S Schepler	04/15 - 05/10/24 04/15 - 05/10/24
-------	---------	---------	--	---	--	--	---------	------------	--------------------------------------

The above is a short term online class. Please note the start and end dates. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

### DRAFTING

DFT-830 Computer Aided Drafting (CAD)

Prerequisite: None Advisory: CIS-1A Course Description: A two-dimensional computer aided drafting class for drafters. Students will use an AUTOCAD computer drafting system to develop "computer drawn" drawings, which are typical of the various fields of drafting. 27 hours lecture and 81 hours laboratory. (Letter Grade, or Pass/No Pass option)

32297	DFT-830	Lecture		0			ON-LINE	F Mirzaei	02/12 - 04/05/24 02/12 - 04/05/24
		Lab			T	06:00PM-09:10PM	ATEC-109		02/12 - 04/05/24
		Lab					ON-LINE		02/12 - 04/05/24

The above is a short term hybrid class; students must attend class in-person as scheduled. Please note the start and end dates. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

DFT-842 Solidworks I

Prerequisite: None Advisory: CIS-1A Course Description: Three-dimensional parametric solid modeling with SolidWorks. Students will begin with basic parametric solid modeling techniques advancing into complex assemblies requiring animation. 27 hours lecture and 81 hours laboratory. (Letter grade or Pass/No Pass option)

32299	DFT-842	Lecture		0			ON-LINE	F Mirzaei	02/12 - 04/05/24 02/12 - 04/05/24
		Lab			W	06:00PM-09:10PM	ATEC-109		02/12 - 04/05/24
		Lab					ON-LINE		02/12 - 04/05/24

The above is a short term hybrid class; students must attend class in-person as scheduled. Please note the start and end dates. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)

### ELECTRONICS

ELE-810 Survey of Electronics

Prerequisite: None Course Description: Basic electronic theory featuring electron-flow, Ohm's, Watt's, and Kirchhoff's Laws, analog DC and AC devices, circuits, parameters and equations, diodes, transistors, thyristors, digital logic, integrated circuits, power supplies, amplifiers, oscillators, with laboratory test and measurement equipment. 63 hours lecture and 27 hours laboratory. (Pass/No Pass or Letter Grade)

32370	ELE-810	Lecture		0	F	08:00AM-01:10PM	IT-202	K Rad	02/12 - 06/07/24 02/12 - 06/07/24
-------	---------	---------	--	---	---	-----------------	--------	-------	--------------------------------------

Canvas and other online applications may be required to complete coursework.

ELE-855 Occupational Safety and Health Administration (osha) Standards for General Industry

Requisites: None Description: Covers OSHA policies, procedures, and standards, as well as safety for general industry and health principles. Topics include scope and application of the OSHA general industry standards. Special emphasis is placed on those areas that are the most hazardous, using OSHA standards as a guide. Upon successful course completion, the student will receive either an OSHA 10 hour general industry or construction industry training completion card. 18 hours lecture. (Pass/No Pass or Not graded)

33140	ELE-855	Lecture		0			ON-LINE	K Mosley	02/12 - 06/07/24 02/12 - 06/07/24
-------	---------	---------	--	---	--	--	---------	----------	--------------------------------------

The above section is an online class. Computer with Internet access required. See [www.rccd.edu/de](http://www.rccd.edu/de)



SECT#	Course#	Instruction	ZTC/LTC	Units	Days	Time	Bldg-Room	Instructor	Dates
ELE-864	Programmable Logic Controllers								
Prerequisite: None Advisory: ELE-10 or ELE-11 Description: 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. 36 hours lecture and 54 hours laboratory. (Pass/No Pass or Letter Grade) Same as MAN-864.									
32371	ELE-864	Lecture		0			ON-LINE	C Keissieh	02/12 - 06/07/24
		Lab			W	06:00PM-09:10PM	CACT-2	P Van Hulle	02/12 - 06/07/24
The above section is a hybrid class. Computer with Internet access required. See www.rccd.edu/de									

ELE-874	Industrial Wiring and Controls									
Prerequisite: None Course Description: Industrial controls and electrical wiring of modern facilities, manufacturing, or warehousing. Included will be production equipment, conveyor systems, hydraulic and pneumatic controls, power distribution, blueprint reading, electrical control wiring, PLC (programmable logic controller) control wiring, VFD (variable frequency drives) wiring and programming. 54 hours lecture and 54 hours laboratory. (Pass/No Pass or Letter Grade)										
32372	ELE-874	Lecture	0					J Vela	02/12 - 06/07/24	
				MW	06:00PM-09:00PM	IT-124		J Roman	02/12 - 06/07/24	
Canvas and other online applications may be required to complete coursework.										

## ENGINEERING

ENE-851	Print Reading							
Requisites: None Advisory: ENE-21 or MAT-36 Description: A beginning course in the study of blueprints and their interpretation, types of projection, symbols, and abbreviations. This course is designed for students interested in print reading for the machine trades. 54 hours lecture. (Pass/No Pass or Letter Grade)								
32384	ENE-851	Lecture	0			ON-LINE	C Keissieh	04/15 - 06/07/24
		Lab		F	06:00PM-08:05PM	ATEC-119		04/15 - 06/07/24
		Lab				ON-LINE		04/15 - 06/07/24
The above is a short term hybrid class; students must attend class in-person as scheduled. Please note the start and end dates. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>								

## ENGLISH

ENG-885	Writing Clinic								
Prerequisite: None Description: Intended for students who need concentrated attention in various areas of grammar, punctuation, and composition. Self-paced, open-entry/open-exit, with no traditional lecture-based component. Instead, it requires students to do the majority of their coursework independently. Each student follows a sequential series of modules based on his or her diagnosis. Students meet with their instructor in the Writing and Reading Center for the pre- and post-test and as needed for one-on-one instruction or small group study for the duration of the students' enrollment in the course. May be taken a total of four times. 27 hours laboratory. (Non-credit course) (TBA option) (Pass/No Pass option only)									
32464	ENG-885	Lab		0			LIBR-110	N Capps	02/12 - 06/07/24
Students who enroll in this course must meet with the ENG-885 instructor in the Writing and Reading Center prior to logging in hours for this class. Contact her at nicole.capps@norccollege.edu to schedule your first meeting.									
32465	ENG-885	Lab		0			LIBR-110	N Capps	02/12 - 06/07/24
Students who enroll in this course must meet with the ENG-885 instructor in the Writing and Reading Center prior to logging in hours for this class. Contact her at nicole.capps@norccollege.edu to schedule your first meeting.									

## ENGLISH AS A SECOND LANGUAGE

ESL-846	Beginning American College English								
Prerequisite: None Advisory: Students should be aware that course is taught in English. Description: Designed for non-native speakers of English. Develops writing, reading, and oral language expression in academic American English language at beginning level to prepare students to enter ESL-847. Students will produce a minimum of 1,000 words or more of instructor-evaluated writing with an emphasis on academic paragraph writing in response to reading. 90 hours lecture. (Letter grade or Pass/No Pass Option)									
32489	ESL-846	Lecture	0	MW	06:30PM-09:00PM	IT-211	L Tougas	02/12 - 06/07/24	
ESL-847	Low-Intermediate American College English								
Prerequisite: ESL-846 or ESL-46 or qualifying placement. Description: Designed for non-native speakers of English. Develops writing, reading, and oral language expression in academic American English language at a low-intermediate level to prepare students to enter ESL 848. Students will produce a minimum of 1,750 words of instructor-evaluated writing with an emphasis on academic paragraph writing in response to reading. 90 hours lecture. (Letter grade or Pass/No Pass Option)									
32490	ESL-847	Lecture	0	MW	06:30PM-09:00PM	IT-121	D Tougas	02/12 - 06/07/24	
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a> .									
ESL-848	Intermediate American College English								
Prerequisite: ESL-847 or ESL-47 or qualifying placement. Description: Designed for non-native speakers of English. Develops writing reading, and oral language expression in academic American English language at an intermediate level to prepare students to enter ESL 49. Students will produce a minimum of 3,000 instructor-evaluated writing with an emphasis on basic essay writing in response to reading. Classroom instruction integrates writing lab activities. 90 hours lecture and 18 hours laboratory. (TBA option) Letter Grade									
32491	ESL-848	Lecture	0			ON-LINE	M Shirinian	02/12 - 06/07/24	
		Lab				ON-LINE		02/12 - 06/07/24	
The above section is an online class. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									
ESL-849	High-Intermediate American College English								
Prerequisite: ESL-48 or ESL-848 or qualifying placement. Description: Designed for non-native speakers of English. Develops writing, reading, and oral language expression in academic American English language at an intermediate level to prepare students to enter ESL 50. Students will produce a minimum of 4,500 words of instructor-evaluated writing with an emphasis on essay writing in response to reading. Classroom instruction integrates writing lab activities. 90 hours lecture and 18 hours laboratory. (TBA option) Letter Grade.									
32492	ESL-849	Lecture	0	TTh	09:15AM-10:50AM	IT-211	M Shirinian	02/12 - 06/07/24	
						ON-LINE		02/12 - 06/07/24	
		Lab				ON-LINE		02/12 - 06/07/24	
The above section is a hybrid class; students must attend class in-person as scheduled. Computer with Internet access required. See <a href="http://www.rccd.edu/de">www.rccd.edu/de</a>									

SECT#	Course#	Instruction	ZTC/LTC	Units	Days	Time	Bldg-Room	Instructor	Dates
ESL-850		Advanced American College English							
Prerequisite: ESL-49 or ESL-849 or qualifying placement Description: Designed for non-native speakers of English. Develops writing, reading, and oral language expression in academic American English language at an advanced level to prepare students to enter English 1A. Students will produce a minimum of 6,000 words of instructor-evaluated writing with an emphasis on expository essay writing in response to advanced readings from various sources and a novel. Classroom instruction integrates writing lab activities. 90 hours lecture and 18 hours laboratory. (TBA option) (Letter grade only)									
32493	ESL-850	Lecture		0					02/12 - 06/07/24
					TTh	10:55AM-12:30PM	IT-211	M Shirinian	02/12 - 06/07/24
							ON-LINE		02/12 - 06/07/24
		Lab					ON-LINE		02/12 - 06/07/24
The above section is a hybrid class; students must attend class in-person as scheduled. Computer with Internet access required. See www.rccd.edu/de									

## INTERDISCIPLINARY STUDIES

ILA-800		Supervised Tutoring							
Prerequisite: None Corequisite: Student must be enrolled in at least one other non-tutoring course. Description: This self-paced, open-entry/open-exit non-credit course provides supervised tutoring, assistance with study skills, and guidance in completing basic skills or college-level course assignments. Students receive individualized tutoring and/or small group instruction outside of class time in a discipline-specific lab. Designed to help students achieve outcomes related to specific courses and/or to improve learning and study skills in specific related subjects. Content varies according to the course for which tutoring is sought. Up to 216 hours laboratory. (TBA option) (Non-degree, non-credit course.)									
32620	ILA-800	Lab		0			LIBR-LRC	N Capps	02/12 - 06/07/24

## MANUFACTURING TECHNOLOGY

MAN-836		General Machine Shop and Theory of Machining							
Prerequisite: None Description: An introduction to the basic setup and operating of the lathe, mill, saw, drill press, and grinder. Safety, blueprint reading, measurement, shop math, tool grinding, bench work and layout, cutting concepts, and speed and feed calculations are also included. Emphasis will be on the fundamentals of bench work and layout. 54 hours lecture and 54 hours laboratory. (Letter grade or Pass/No Pass option)									
33132	MAN-836	Lecture		0					02/12 - 06/07/24
					T	06:00PM-09:10PM	CACT-2	J Payton	02/12 - 06/07/24
		Lab			Th	06:00PM-09:10PM	CACT-2		02/12 - 06/07/24
Canvas and other online applications may be required to complete coursework.									

MAN-856		Cnc Machine Set-Up and Operation							
Prerequisite: None Description: Fundamental skills related to the setup and operation of CNC (Computer Numerically Control) machine tools. Students will set up and operate CNC machine tools exposing them to CNC controllers and some CNC manual programming. Students will gain hands-on experience with CNC machine tools. 54 hours lecture and 54 hours laboratory. (Letter grade or Pass/No Pass option)									
33115	MAN-856	Lecture		0					02/12 - 06/07/24
							ON-LINE	P Van Hulle	02/12 - 06/07/24
		Lab			M	06:00PM-09:10PM	CACT-2		02/12 - 06/07/24
The above is a hybrid class; students must attend class in-person as scheduled. Computer with Internet access required. See www.rccd.edu/de									

MAN-857		Cnc Program Writing							
Prerequisite: None Description: Introduction to manual CNC program writing. This course includes the Cartesian coordinate system, absolute/incremental programming, circular interpolation, cutter radius compensation, canned cycles, and other programming techniques related to CNC machine tools. Students will gain hands-on experience with CNC machine tools. 36 hours lecture and 54 hours laboratory. (Letter grade or Pass/No Pass option)									
33116	MAN-857	Lecture		0					02/12 - 06/07/24
					T	02:00PM-04:05PM	CACT-2	P Van Hulle	02/12 - 06/07/24
		Lab					ON-LINE		02/12 - 06/07/24
The above is a hybrid class; students must attend class in-person as scheduled. Computer with Internet access required. See www.rccd.edu/de									

MAN-864		Programmable Logic Controllers							
Prerequisite: None Advisory: ELE-10 or ELE-11 Description: 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. 36 hours lecture and 54 hours laboratory. (Letter Grade, or Pass/No Pass option) (Same as ELE-864)									
33142	MAN-864	Lecture		0					02/12 - 06/07/24
							ON-LINE	C Keissieh	02/12 - 06/07/24
		Lab			W	06:00PM-09:10PM	CACT-2	P Van Hulle	02/12 - 06/07/24
The above is a hybrid class; students must attend class in-person as scheduled. Computer with Internet access required. See www.rccd.edu/de									

## PROFES. DEVELOPMENT STUDIES

PDS-805		Difficult Conversations							
Prerequisite: None Description: Unfortunately, the default tendency for millions remains to try to avoid difficult conversations because they don't know how to structure a discussion. Learn to prepare for a difficult conversation by clarifying your intentions and assumptions and applying a simple model to help you stay centered while you constructively shape what you say. Scripts and tips will be provided and applied to prepare for your next difficult conversation. 12 hours lecture. (Pass/No Pass only)									
33087	PDS-805	Lecture		0					03/11 - 04/05/24
							ON-LINE	M Olivieri	03/11 - 04/05/24
The above section is a short term online class. Please note the start and end dates. Computer with Internet access required. See www.rccd.edu/de									

PDS-808		Critical Thinking, Problem Solving and Decision Making							
Prerequisite: None Description: In today's workplace, it is everyone's job to solve problems and make decisions. Analytical thinking, decision making and problem solving involve breaking things down into their component parts, applying deductive reasoning and then applying judgment and insight. Learn hands-on techniques to generate breakthrough ideas, make decisions, and solve your most pressing problems. All by asking the right questions, challenging assumptions, and seeing others' viewpoints with clarity. 12 hours lecture. (Pass/No Pass only)									
32819	PDS-808	Lecture		0					03/18 - 04/19/24
							ON-LINE	R Wolfer	03/18 - 04/19/24
The above section is a short term online class. Please note the start and end dates. Computer with Internet access required. See www.rccd.edu/de This section is part of the Workplace Essentials certificate. It is encouraged for students to also enroll in PDS-809-32820, PDS-810-32821, and PDS-812-32822 to complete the certificate.									

SECT#	Course#	Instruction	ZTC/LTC	Units	Days	Time	Bldg-Room	Instructor	Dates
PDS-809		Business Writing in a Technological World							
Prerequisite: None Description: Participants will develop effective and professional business writing skills using business tone, organization and formatting, word choice and persuasion. Matching the delivery channel (email, letter, memo, or text) to the message type and situation will be covered, as well as the best methods to deliver bad news. 12 hours lecture. (Pass/No Pass only)									
32820	PDS-809	Lecture		0			ON-LINE	V Mixson	03/11 - 04/05/24
The above section is a short term online class. Please note the start and end dates. Computer with Internet access required. See www.rccd.edu/de This section is part of the Workplace Essentials certificate. It is encouraged for students to also enroll in PDS-808-32819, PDS-810-32821, and PDS-812-32822 to complete the certificate.									
PDS-810		Time Management							
Prerequisite: None Description: Participants explore time management strategies and tools for effectively managing expanding workloads, shifting priorities and increasing demands. Practice prioritizing "important" versus "urgent" activities. Emphasis on analyzing current use of time; identifying organizational goals, roles and priorities; discovering gaps to achieving goals; and applying time management tools to the gaps to complete important priorities first. 12 hours lecture. (Pass/No Pass only)									
32821	PDS-810	Lecture		0			ON-LINE	R Wolfer	04/15 - 05/10/24
The above section is a short term online class. Please note the start and end dates. Computer with Internet access required. See www.rccd.edu/de This section is part of the Workplace Essentials certificate. It is encouraged for students to also enroll in PDS-808-32819, PDS-809-32820, and PDS-812-32822 to complete the certificate.									
PDS-812		Workplace Communication Strategies							
Prerequisite: None Description: Participants assess and optimize current workplace communication skills. Differentiate content, emotions, perceptions, and intentions in a communication exchange. Build an advanced communication toolkit to forward your career. Illustrate clear and congruent verbal and nonverbal messages tailored to the personalities involved, the desired outcomes, and the context. 12 hours lecture. (Pass/No Pass only)									
32822	PDS-812	Lecture		0			ON-LINE	V Mixson	05/13 - 06/07/24
The above section is a short term online class. Please note the start and end dates. Computer with Internet access required. See www.rccd.edu/de This section is part of the Workplace Essentials certificate. It is encouraged for students to also enroll in PDS-808-32819, PDS-809-32820, and PDS-810-32821 to complete the certificate.									