

**Articulated Courses
High School or R.O.P. to Riverside Community College**

RCC Course Name	Units	Catalog Description	Meets Prerequisite For	School District	High School or ROP Course Name
ACC-55: Applied Accounting/Bookkeeping	3	Activities of the general clerical employee: journalizing, posting, trial balance, worksheet, and financial reports.		Moreno Valley Val Verde	Accounting
AMY-10:Survey of Human Anatomy & Physiology	3	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.		Corona-Norco Riverside Alvord Moreno Valley Val Verde	Anatomy-Physiology 1A-1B Anatomy & Physiology Human Anatomy & Physiology for Health Careers Note: Must pass with grade "B" or better.
ARE 24:Architectural Drafting	3	A beginning course which provides an introduction to architectural drafting techniques with emphasis on line quality, lettering, dimensioning, scaling, notes, materials symbols, and drawing format. Drafting and a set of plans to include plot plan, foundation plan, floor plan, sections interior and exterior elevations, and structural details. Construction and sketching techniques will also be covered.	ARE-25: Advanced Architectural Drafting AND ARE-37: Architectural Design 1	Alvord Corona-Norco Moreno Valley Riverside	Architectural Drawing Architectural Drawing 1A & 1B Architectural Design and Drafting Architectural Drawing A & B
AUT-50: Introduction to Automotive Body Technology	4	General theory, principles, and service procedures relating to an introduction to automotive maintenance.	AUT-51A: Internal Combustion Engines Rebuilding Upper End AUT-51B:Internal Combustion-Rebuilding Lower End AUT-52A: Auto Tune-up & Electrical Systems AUT-53A: Auto Chassis & Alignment AUT-53B: Automotive Brakes AUT-54: Auto Electrical Systems AUT-55A: Automatic Transmissions/Transaxles AUT-55B: Auto Manual Drivetrain Systems AUT-57: Auto Heating & Air Conditioning AUT-58: Auto Diesel Mechanics	Corona-Norco Jurupa Moreno Valley RCOE Riverside San Bernardino ROP	Automotive 1A&B Auto Theory (Auto 1) Auto Tech 1 & 2 Automotive Technology Auto Tech 2 (A & B) Automotive Technology 604 Note: Must pass with grade "B" or better.
CAT 51:Document Formatting	3	Develops professional typing skills. Includes business letters, manuscripts, reports, and tables.		Alvord	Introduction to Word Processing
CAT 63A:Secretarial Accounting I	3	Activities of the general clerical employee.	CAT-63B: Secretarial Accounting II	Alvord Jurupa Riverside	Accounting Principles Accounting 1 Accounting 1A & 1B
CIS 3:Computer Applications for Working Professionals	3	This course introduces a suite of computer applications to students preparing to enter business, office, and teaching professions. Individuals who are already established in these professions may also benefit from skills emphasized which include the use of basic operating system functions, word processing, spreadsheets, database management, presentation graphics, scheduling/time management, basic Internet, and scanning and management of documents and images.	MDA-58: Medical Transcription AND MDA-59: Medical Office Procedures	Alvord	Computer Information Systems
CIS 18A:Java Programming	3	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.		Riverside	AP Computer Science
CIS 23:Software and End User Support	3	Study of computer software installation, configuration, maintenance, troubleshooting, optimization, operating system commands, utilities, and network software.		Jurupa	Computer Maintenance & Certification

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CIS-26A: Cisco Networking Academy 1A	4	This course is designed to provide students with classroom and laboratory experience in current and emerging network technology. Instruction includes safety, networking, networking terminology, protocols, and network standards. This course is one of four Cisco-related curricula designed to prepare students for Cisco Certified Network Associate (CCNA) certification examination.	CIS-26B: CISCO Networking Academy 1B	Colton-Redlands-Yucaipa ROP	Cisco Internetworking, Level 1
				Jurupa	Computer Networking 1 (CISCO)
				RCOE	Cisco Networking Academy I
				Riverside	Cisco Networking
				San Bernardino ROP	CCNA 1 (Prep)
CIS-26B: Cisco Networking Academy 1B	4	This course introduces students to routing concepts of LANs, WANs, Ethernet, Token Ring, Fiber Distributed Data Interface, TCP/IP, dynamic routing, and network administrator's role and function. Students will learn to configure the CISCO IOS software and configurations required for specific routing protocols. This course is one of four Cisco-related curricula designed to prepare students for Cisco Certified Network Associate (CCNA) certification examination.	CIS-26C: CISCO Networking Academy 1C	Colton-Redlands-Yucaipa ROP	Cisco Internetworking, Level 2
				RCOE	Cisco Networking Academy II
				San Bernardino ROP	CCNA 2 (Prep)
CIS-26C: Cisco Networking Academy 1C	4	This course introduces students to configure IPX access lists, LAN segmentation using bridges, using routers, using switches, half-duplex Ethernet operations, network segmentation, dynamic routing, and the network administrator's role and function. Students will learn to configure the CISCO IOS software and configurations required for specific routing protocols. This course is one of four Cisco-related curricula designed to prepare students for Cisco Certified Network Associate (CCNA) certification examination.	CIS-26D: CISCO Networking Academy 1D	Colton-Redlands-Yucaipa ROP	Cisco Internetworking, Level 3
				RCOE	Cisco Networking Academy III
				San Bernardino ROP	CCNA 3 (Prep)
CIS-26D: Cisco Networking Academy 1D	4	This course introduces students to configure WAN services, frame relay, Integrated Services Digital Network (ISDN/LAPD), encapsulate WAN data, High-Level Data Link Control (HDLC), Point-to-Point Protocol (PPP), dial-on-demand routing (DDR), and the network administrator's role and function. Students will learn to configure the Frame Relay operations and configurations for specific WAN routing protocols. This course is one of four Cisco-related curricula designed to prepare students for Cisco Certified Network Associate (CCNA) certification examination.	CIS-26E: Advanced Routing, Semester Five	Colton-Redlands-Yucaipa ROP	Cisco Internetworking, Level 4
				RCOE	Cisco Networking Academy IV
				San Bernardino ROP	CCNA 4 (Prep)
CIS-34A: Introduction to Microsoft Word	1.5	Skill development in the use of Microsoft Word for word processing. For non-Office Administration majors.		Jurupa	Computer 1
CIS-34B: Intermediate Microsoft Word	1.5	This course is to provide a continuation of instruction in Microsoft Word to students who have taken the introductory level and would like to further their skills in word processing applications. Not open to Office Administration majors.		Jurupa	Computer 2
CIS 53: Keyboarding for Computer Users	1	Develops basic alpha/numeric keyboarding/touch typewriting skills on an electronic keyboard. Designed primarily for individuals needing basic keyboarding skills to input and retrieve information from a microcomputer. Develops a straight copy rate of 20 words a minute.		Alvord	Computer Keyboarding
CIS72A: Introduction to Web Page Creation	1.5	An introduction to webpage creation using Extensible Hypertext Markup Language (XHTML). Use XHTML to design and create webpages with formatted text, hyperlinks, lists, images, tables, frames, and forms.		Jurupa	Web Design and Development
				RCOE	Certified Internet Webmaster - Web Authority
CIS-80: Word Processing: Microsoft Word for Windows	3	This course is designed to provide introductory, intermediate, and advanced skill levels necessary to produce a variety of professional documents using Microsoft Word. Students will develop skills in word processing techniques and tasks.		RCOE	Computer Information Systems (CIS)
CIS-82A: MOSPrep: Word Core	1	This course is structured to meet the guidelines established by Microsoft for the Microsoft Office Specialist (MOS) Program in Word application core level. The course provides the direction for students to develop the necessary skills to perform standard and complex tasks in Microsoft Word. Software will be utilized to provide computer-based learning and student assessment tools to complete projects for the MOS exam.		Colton-Redlands-Yucaipa ROP	Microsoft Office
				San Bernardino ROP	MOUS Certification-Word

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CIS-82B: MOSPrep: Word Expert	1	This course is structured to meet the guideline established by Microsoft for the Microsoft Office Specialist Program (MOS) in the Word application expert level. The course provides the direction for students to develop the necessary skills to perform complex tasks in Microsoft Word. Software will be utilized to provide computer-based learning and student assessment tools to complete projects for the MOS exam.		San Bernardino ROP	MOUS Certification-Word
CIS-83A: MOSPrep Excel Core	1	This course is structured to meet the guidelines established by Microsoft for the Microsoft Office Specialist Program (MOS) in the Excel application core level. The course provides the direction for students to develop the necessary skills to perform tasks in Microsoft Excel. Software will be utilized to provide computer-based learning and student assessment tools to complete projects for the MOS exam.		Colton-Redlands-Yucaipa ROP San Bernardino ROP	Microsoft Office MOUS Certification-Excel
CIS-83B: MOSPrep: Excel Expert	1	This course is structured to meet the guidelines established by Microsoft for the Microsoft Office Specialist Program (MOS) in the Excel application expert level. The course provides the direction for students to develop the necessary skills to perform complex tasks in Microsoft Excel. Software will be utilized to provide computer based learning and student assessment tools to complete projects for the MOS exam.		San Bernardino ROP	MOUS Certification-Excel
CIS-85: MOSPrep Access Core	1	This course is structured to meet the guidelines established by Microsoft for the Microsoft Office Specialist Program (MOS) in the Access application core level. The course provides the direction for students to develop the necessary skills to perform complex tasks in Microsoft Access. Software will be utilized to provide computer-based learning and student assessment tools to complete projects for the MOS exam.		Colton-Redlands-Yucaipa ROP	Microsoft Office
CIS-86: MOSPrep: PowerPoint- Core Level	1	This course is structured to meet the guidelines established by Microsoft for the Microsoft Office Specialist Program (MOS) in the PowerPoint application core level. The course provides the direction for students to develop the necessary skills to perform complex tasks in Microsoft PowerPoint. Software will be utilized to provide computer-based learning and student assessment tools to complete projects for the MOS exam.		Colton-Redlands-Yucaipa ROP San Bernardino ROP	Microsoft Office MOUS Certification-Power Point
CIS-87: MOSprep: Outlook Core	1	This course is structured to meet the guidelines established by Microsoft for the Microsoft Office Specialist Program (MOS) in the Outlook application core level. The course provides the direction for students to develop the necessary skills to perform complex tasks in Microsoft Outlook. Software will be utilized to provide computer-based learning and student assessment tools to complete projects for the MOS exam.		Colton-Redlands-Yucaipa ROP	Microsoft Office
CON-60: Intro to Construction	3	An overview of the basic concepts of construction including city and regional planning, managing, contracting, designing, engineering, estimating, bidding, inspecting, 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.		Jurupa	Construction Technology 1 & 2
				Moreno Valley	Construction Technology
				RCOE	Construction Technology
				Riverside	Intro to Construction Tech & Building Construction Tech A & B
				Val Verde	Construction Technology
CON-62: Blueprint Reading and Cost Estimating	3	This course will provide an overview of construction blueprint and specification reading, the relationship of drawings, specifications to contract, responsibilities of inspectors in interpreting contract documents, and inspection of the work.		Moreno Valley	Construction Print Reading

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EAR-22: Careers and Programs in Early Childhood	3	The course explores the historical backgrounds and philosophies of different types of community early childhood programs. Also includes ethical issues encountered by early childhood professionals, state licensing, laws and regulations that affect children, community agencies, referral systems, and exploration of possible careers in the field.		Alvord	Child Development AND Exploring Childhood
				Riverside	Child Development (Education Academy Careers 1) AND Child Care Occupations/HERO (Education Academy Careers 2)
ELE-21: DC-AC Electronics	4	Basic electrical theory including electrical circuit parameters, Ohm's Law, DC, AC, time constants, resonant circuits, filters, and circuit parameter measurement.	ELE-28: Automated Electronics Design and Documentation Tools AND ELE-52: Video Display Systems Servicing	Corona-Norco	Electronics 1A & 1B
ELE-25: Digital Techniques	4	Mathematics, number systems, and logic circuits as they relate to modern electronic computers and digital systems. Boolean algebra, circuit simplifications, and mapping are included. Basic gate and digital circuits (MSI-LSI) will be analyzed and integrated into complete systems. Digital counters, registers, encoders/decoders, converters, and timing.		Moreno Valley	Digital Electronics
ENE-10: Introduction to Engineering	1	An introduction to the career opportunities and skills needed as an engineer. Various forms of engineering communication including laboratory report writing, graphical presentations, and problem solving format are presented. The scientific method of investigation is covered. This course is recommended for all students considering career possibilities in engineering.		Moreno Valley	Principles of Engineering
ENE-21: Drafting	3	Fundamentals of mechanical drawing including lettering, instruments, uses of geometric construction, types of projection, freehand drawing, sectioning, dimensioning, auxiliary views, and pictorial drawing. The scientific method of investigation is covered. This course is recommended for all students considering career possibilities in engineering.	ENE-22: Engineering Drawing ENE-26: Civil Engineering Drafting AND ARE-24: Architectural Drafting	Alvord	Drafting 1
				Corona-Norco	Industrial Drafting 1A & 1B
				Moreno Valley	Engineering Drawing 1 & 2
				Riverside	Drafting Technology A & B
				San Bernardino ROP	Computer Aided Drafting
ENE-30: Computer Aided Drafting	3	A two-dimensional computer drafting class for drafters. Students will use an AUTOCAD computer drafting system to develop "computer drawn" drawing which are typical to the various fields of drafting.	ENE-31: Computer Aided Drafting and Design AND ENE-32: CAD Workstation Customization	Corona-Norco	Computer Aided Drafting 1A & 1B
				San Bernardino ROP	Computer Aided Drafting
ENE-60: Math for Engineering Technology	3	A course in mathematical problems frequently used by students enrolled in the trade and industrial and engineering programs. This course reviews basic arithmetic, linear measurement, basic algebra, basic plane geometry, trigonometry, and compound angles.		Moreno Valley	Principles of Engineering
GRT-1: Introduction to Graphics Technology	3	An introductory course for the graphic communication industry covering the six major areas of the offset printing process. This includes layout and design, digital typesetting/composition (desktop publishing), process camera and darkroom, stripping and plate making, offset press operation, and bindery/finishing.	GRT-55: Management & Estimating in the Graphics/Design Industry AND GRT-70: Project Design & Production	Corona-Norco	Graphic Arts 1A & 1B
				RCOE	Graphics Technology/Printing Occupations
				San Bernardino ROP	Printing/Graphic Arts Occupations
GRT-71: Photoshop for Publishing	3	A comprehensive course in exploring the digital tools and techniques available for text handling, drawing, and image editing. Includes instruction in scanning, basic image manipulation, image importation, and conceptual design as it applies to other media.	GRT-70: Project Design & Production AND GRT-72: Advanced Photoshop for Publishing	RCOE	Digital Imaging

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GUI-47: Career Exploration & Life Planning	3	A class designed for students seeking direction about a career and/or major and persons in career transition. Topics include extensive exploration of one's values, interests and abilities; life problem-solving and self management skills; adult development theory and the changes that occur over the life span; self-assessment including identifying one's skills and matching personality with work. An intensive career investigation; decision making, goal setting and job search strategies such as resume writing and interviewing skills will be addressed.		Jurupa	Connections to Your Future
HET-80: Certified Nurse Assistant	6	Provides theoretical clinical components of state-mandated curriculum required to take the state certification examination for nurse assistants. Complies with federal regulations for preparing healthcare workers in long-term care settings. Focuses on the role, performance, and responsibilities of certified nurse assistants (CNAs) as members of the healthcare team. Requires evaluation of clinical performance through demonstrated competence on identified skills.	HET-81: Certified Home Health Aid HET-86: Acute Care Nurse Assistant AND HET-87: Restorative Nursing Assistant	RCOE	Nurse Assistant
MDA-54: Clinical Medical Assisting & Pharmacology	5	Examines treatment modalities in modern health care, drug laws, standards, systems of measurement, dosages, actions, and effects. Covers assisting physicians with examinations and procedures, patient preparation, counseling, and education. Includes sterilization techniques and diagnostic laboratory procedures. Examines the principles of medical law and ethics as applied to the physician, patient, and those employed in the medical field. Pursuant to Section 2146.5 and 2146.6 of the Business and Professions Code and adopted in Subchapter 3 of Chapter 13 of Title 16 of the California Administrative Code, this class will also include administration of medications including intradermal, subcutaneous, and intramuscular. Includes venipuncture for purposes of withdrawing blood for laboratory examination test procedures.		RCOE	Medical Assisting-Clinical
MDA-59: Medical Office Procedures	5	Patient scheduling, communications, medical records management, and care of office property. Credit and collection, financial record keeping, and insurance billing.		RCOE	Medical Front Office
PHO-8: Introduction to Photography	3	Theory and practice in the basic techniques of producing quality black and white photographs with technical and artistic merit. Students will acquire competency in the use of 35 mm cameras, photographic materials, and processes associated with basic darkroom procedures. Students required to provide their own 35 mm camera, f-stop, and shutter speed control.	JOU-12: Photojournalism PHO-9: Intermediate Photography AND PHO-12: Photojournalism	Corona-Norco Jurupa Moreno Valley Val Verde	Photography 1A&B Photography 1 Photography 101 Photography 2
TEL-64: Digital Editing Principles & Techniques	3	A course in post-production video editing concepts and techniques in a non-linear computer-based editing environment. Course is designed to teach the aesthetics as well as techniques of the edit utilizing industry recognized software.	TEL-53: Telecommunications Laboratory AND TEL-66: Advanced Digital Editing Concepts	Jurupa	Video Production
WEL-15: Introduction to Basic Shielded Metal Arc Welding	3	An introductory course in basic shielded metal arc welding, shop and industrial safety, common metal, and materials used in welding.	WEL-16: Advanced Shielded Metal Arc Welding	RCOE San Bernardino ROP	Manufacturing Technology #10437 Welding
WEL-25: Introduction to Oxyacetylene Welding	3	An introductory course in basic oxyacetylene welding, industrial safety, common metals, and materials used in welding.		RCOE	Manufacturing Technology #10437
WEL-34: Metal Joining Process	3	An introduction to metal joining processes for engineering and manufacturing technology majors. Techniques and procedures related to design and problem solving will be strongly emphasized.	WEL-16: Advanced Shielded Metal Arc Welding	San Bernardino ROP	Welding