

2019-2020
A California Community College
SPRING 2020 CATALOG ADDENDUM

Accredited by
The Western Association of Schools and Colleges
Accrediting Commission for Community & Junior Colleges
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Approved by
The Board of Governors of the California Community Colleges
The California Department of Education
The University of California
The California State Universities

Approved for
The training of U.S. veterans and other eligible persons

COLLEGE OF THE CANYONS
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Accuracy Statement

The Santa Clarita Community College District and College of the Canyons have made every reasonable effort to determine that everything stated in this catalog is accurate. Courses and programs offered, together with other matters contained herein, are subject to changes without notice by the administration of the College for reasons related to student enrollment, level of financial support, or for any other reason at the discretion of the College. The College further reserves the right to add, to amend, or repeal any of the rules, regulations, policies and procedures, consistent with applicable laws.

Addendum to Spring 2020 Catalogue

INFORMATION FOR STUDENTS USING VOCATIONAL REHABILITATION AND EMPLOYMENT BENEFITS (CH31) OR POST-9/11 GI BILL® (CH33)

A student using Vocational Rehabilitation and Employment benefits (CH 31) or Post-9/11 GI Bill® (CH 33) will be allowed to enroll in and attend courses and access campus facilities while the campus awaits payment for tuition and fees from the VA. While awaiting receipt of funds from the VA, College of the Canyons will not impose any penalty, charge late fees or require an eligible student to borrow additional funds to cover tuition or fees. This waiting period begins the date the student provides appropriate documentation and continues either until funds are received from the VA or until 90 days after the School Certifying Official has certified the student's enrollment for tuition and fees.

To demonstrate current eligibility and intent to use Chapter 31 or 33 benefits, a student must provide the following documents:

- VA Form 28-1905 (Authorization and Certification of Entrance or Reentrance into Rehabilitation and Certification of Status); or
- Certificate of Eligibility (COE) or Education Enrollment Status form (printed from the eBenefits website).
- A written request to use either VA Vocational Rehabilitation or Post 9/11 GI Bill® benefits via a VP-20 Request for Benefits; and
- All additional information requested by the School Certifying Official to properly certify enrollment to the VA.
- Residency Reclassification (if applicable)
- Student Education Plan (SEP)
- Transcripts (Military and Civilian)

GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs (VA). More information about education benefits offered by VA is available at the official U.S. government Web site at <https://www.benefits.va.gov/gibill>.

For VA Education Benefits, a W grade is considered non-punitive and the last date of attendance must be reported to the VA.

STUDENT SPONSOR AGREEMENTS

If there is a refund due for any items that were paid by the sponsor, the refund will be returned directly to the sponsor. Students that are sponsored by Veterans' Affairs under the GI Bill® Chapter 33 may receive refunds. In these cases, it will be the student's responsibility to follow up with their sponsor.

VETERAN EDUCATION AND VOCATIONAL PROGRAMS

College of the Canyons provides assistance to veterans for the following benefit programs:

- Chapter 30 - Active Duty Educational Assistance Program, Montgomery GI Bill®
- Chapter 33 - Post-9/11 GI Bill®

SCHEDULE OF FEES FOR VETERANS

Fees are due at the time of registration each semester or each time materials are acquired or services rendered, unless you are eligible for the Post 9/11 GI Bill® (Chapter 33) or VA Vocational Rehabilitation (Chapter 31) and establish a sponsor account. Fees must be paid at the time of registration. Any fees that are not covered by the Department of Veteran Affairs are the student's responsibility. If all fees are not paid at the time of registration, the student will be removed from all courses.

Veteran Benefits Initial Advisement and Orientation must be completed in the Veteran Resource Center in order to begin the process of certification for VA Education or Vocational Benefits. Certification may take 2-3 weeks during peak times for processing. A request for VA payment must be submitted to the College of the Canyons Veteran Resource Center every term via a VP-20 form in order to initiate the process for benefits and if you are eligible for Chapter 31 or 33, this will help to avoid being dropped from courses for non-payment.

AUDITING CREDIT COURSES

The governing board of the Santa Clarita Community College District has authorized the auditing of credit classes at College of the Canyons pursuant to Ed Code 76370.

Course auditing is permitted as a service to students who have completed designated credit courses for the maximum number of allowed repeats. The purpose of auditing is to allow students to continue study after course repeatability has been exhausted. The following list of courses has been approved for auditing:

KPEI-153, 245A, 245B, 250A, 250B, 255A, 255B, 260A, 260B, 265, 270A, 270B, 275A, 275B, 280A, 280B, 285A, 285B, 290A, 290B, 295A, 295B

MUSIC-153, 160, 161, 165, 173, 174, 175, 176, 177, 185, 186

PHOTO-092L, 093L, 094L, 095L

THEATR-120, 161, 180A, 184A, 186A, 190

Classes taken by audit follow the same deadline dates as classes taken for credit. Contact Community Education if you wish to audit classes.

ARCHITECTURAL DRAFTING

ARCHT 270 INTRODUCTION TO BUILDING INFORMATION MODELING (BIM)

Units: 3.00
 CSU 36.00 hours lecture, 54.00 hours lab
Prerequisite: ARCHT-160
Recommend Preparation: ARCHT-084 or ID-084

Introduces the fundamentals of Building Information Modeling (BIM) for Architecture and Interior Design projects. Includes beginning to intermediate techniques for 3D modeling using BIM software as well as preparing photorealistic renderings and animations with materials, lighting, furniture, and people.

ARCHT 290 ADVANCED BUILDING INFORMATION MODELING (BIM)

Units: 3.00
 CSU 36.00 hours lecture, 54.00 hours lab
Prerequisite: ARCHT-270

Presents advanced applications of Building Information Modeling (BIM) for Architecture and Interior Design projects. Includes BIM project coordination fundamentals, construction detailing within the BIM environment, and advanced techniques for preparing virtual reality simulations of interior/exterior 3D models with photorealistic materials and lighting.

AUTOMOTIVE TECHNOLOGY

Associate in Science Degree and Certificate of Achievement: Automotive Technology

The Automotive Technology program is a comprehensive two-year program designed to prepare students with the industry defined entry-level skills needed for an automotive technician position in a variety of settings including dealerships, independent automotive repair facilities or city/county agencies. Students may opt to complete an associate in science degree or a certificate of achievement in Automotive Technology. The program provides in-depth training with extensive hands-on experiences. In the classroom, students learn the theoretical aspects of automotive diagnosis, repair and service. In the automotive laboratory setting students will experience applying the theory learned in the classroom. Upon completion of the course work required for the certificate or major, students will have achieved competencies in the areas of brakes, suspension,

electrical components and wiring, transmissions, engine diagnosis and drivability. While many automobile dealerships require technicians to acquire manufacturer specialty training, the basic skills and knowledge needed to enter specialty training will be obtained in the Automotive Technician program at College of the Canyons.

Degree Student Learning Outcome:

Students will be able to demonstrate proficiency in the core skills and knowledge required for employment in the automotive industry.

Program Requirements:

Units required: 38

	Units
AUTECH-110 Introduction to Automotive Technology	4.0
AUTECH-112 Engine Fundamentals for Technicians	3.0
AUTECH-113 Engine Overhaul	2.0
AUTECH-114 Basic Automotive Electrical Systems	3.0
AUTECH-135 Engine Performance	4.0
AUTECH-140 Automotive Suspension & Steering Systems	3.0
AUTECH-150 Automotive Brake Systems	4.0
AUTECH-170 Automotive Heating, Ventilation & Air Conditioning	3.0
AUTECH-180 Engine Mechanical Maintenance and Light Repair	3.0
AUTECH-185 Automotive Chassis Maintenance and Light Repair	3.0

Plus one course from the following:

AUTECH-120 Automatic Transmissions & Transaxles	5.0
AUTECH-130 Automotive Manual Transmissions & Drive Train Systems	5.0

Plus a minimum of one unit from the following:

CWE-186AUTO Cooperative Work Experience Education Automotive Technology (Unpaid)	1.0 – 4.0
CWE-188AUTO Cooperative Work Experience Education Automotive Technology (Paid)	1.0 – 4.0

Associate in Science Degree and Certificate of Achievement: Advanced Diagnosis and Performance

Degree Student Learning Outcome:

Students will be able to demonstrate proficiency in the core skills and knowledge required for employment in the automotive industry.

Program Requirements:

Units required: 37

	Units
AUTECH-110 Introduction to Automotive Technology	4.0
AUTECH-112 Engine Fundamentals for Technicians.....	3.0
AUTECH-114 Basic Automotive Electrical Systems.....	3.0
AUTECH-116 Advanced Automotive Electrical Systems	4.0
AUTECH-135 Engine Performance.....	4.0
AUTECH-136 Advanced Engine Performance and Emission Control	4.0
AUTECH-180 Engine Mechanical Maintenance and Light Repair	3.0
AUTECH-185 Automotive Chassis Maintenance and Light Repair	3.0
AUTECH-190 Automotive Computer Networking and Diagnosis.....	4.0
AUTECH-200 Introduction to Hybrid and Electric Vehicles	4.0
<i>Plus a minimum of one unit from the following:</i>	
CWE-186AUTO Cooperative Work Experience Education Automotive Technology (Unpaid).....	1.0 – 4.0
CWE-188AUTO Cooperative Work Experience Education Automotive Technology (Paid).....	1.0 – 4.0

Certificate of Specialization: Diesel Technician

The Diesel Technician certificate of specialization will prepare an individual for a career as a light duty diesel technician. Students will have the ability to diagnose a variety of diesel engine malfunctions as well as preform service, repairs and rebuild diesel engines.

Certificate Student Learning Outcome:

Students will be able to demonstrate the skills required to effectively diagnose, service and repair light duty diesel vehicles.

Program Requirements:

Units required: 6

	Units
AUTECH-160 Diesel Engines.....	3.0
AUTECH-165 Diesel Fuel Systems.....	3.0

BIOLOGICAL SCIENCES

BIOSCI 221 INTRODUCTION TO MICROBIOLOGY

Units: 5.00

UC:CSU 54.00 hours lecture, 108.00 hours lab

Prerequisite: BIOSCI-100 or BIOSCI-100H and CHEM-151 or CHEM-151H

Recommended Preparation: Eligibility for college level English (ENGL-101 or ENGL-101H). Eligibility for college level Math course with an Intermediate Algebra prerequisite (MATH-103, MATH-140).

Introduces the biology of microorganisms bacteria, viruses, protozoa, parasitic worms, algae, fungi, their significance, and their role in human affairs.

CULINARY ARTS

CULARTS 130 PASTRY ART

Units: 2.50

CSU 27.00 hours lecture, 54.00 hours lab

Prerequisite: CULARTS-128

Recommended Co-requisite: CUALRTS-129

Introduces culinary techniques to prepare industry standard individual plated desserts, and their components. Includes working with pulled sugar, garnishing preparation and preparation of frozen desserts. Field trips may be required.

ELECTRONIC SYSTEM TECHNOLOGY

ESYST 121 IoT – CONNECTING THINGS

Units: 3.00

CSU 36.00 hours lecture, 54.00 hours lab

Examines IoT (Internet of Things) via the interconnections of computing devices embedded in everyday objects, enabling them to send and receive data.

ELECTRONIC SYSTEM TECHNOLOGY

ESYST 131 IoT – PYTHON PROGRAMMING

Units: 3.00

CSU 36.00 hours lecture, 54.00 hours lab

Introduces IoT (Internet of Things) via computer programming using Python, including algorithms, data and control structures, problem solving, and structured and object oriented programming.

LIBERAL ARTS AND SCIENCES

The Liberal Arts and Sciences major is designed for students planning to transfer to either the California State University or University of California. To earn the Associate in Arts degree with a Liberal Arts and Sciences major, students must complete either the Intersegmental General Education Transfer Curriculum (IGETC) UC or CSU option or the CSU General Education Certification pattern and one of the four areas of emphasis. The areas of emphasis are: Mathematics and Science, Health Science, Humanities, or Social and Behavioral Science. The area of emphasis requires a minimum of 18 units with a grade of "C" or better in all courses in the area of emphasis. The courses identified for each area of emphasis fulfill major preparation requirements as demonstrated through ASSIST.org articulation. A minimum of six units must be within a single discipline and in the case of the Mathematics and Science area of emphasis at least one mathematics course must be completed. Select courses based on ASSIST.org data for major preparation articulation with selected transfer institutions. Consult a counselor for specific information regarding the intended major at the college the student is choosing.

Courses used to complete a student's area of emphasis can double count for general education just as they may for any other major.

Although the associate degree recognizes the completion of lower division general education requirements, it does not guarantee admission to a specific campus in the CSU or UC system, nor does it guarantee admission to a specific major. Some majors and schools require a higher GPA than is necessary for the associate degree. Students should meet with a counselor to determine the lower division major preparation needed for their intended transfer school.

To meet requirements for the CSU General Education Breadth associate degree program, students must:

- Complete CSU General Education Breadth for Certification, including the American Institutions and Diversity requirements. Consult with the Counseling Office for the appropriate list of applicable courses.
- Earn a "C" or "CR" grade or higher in all CSU Breadth course.

- Complete a minimum of 60 degree applicable CSU transferable semester units.
- Earn a cumulative G.P.A. of 2.0 in all college coursework completed.
- Meet College of the Canyons residency requirements for graduation.
- Note: No Physical Education and/or Wellness courses are required.

To meet requirements for the IGETC - CSU associate degree program, students must:

- Complete IGETC - CSU Certification pattern. Consult with the Counseling Office for the appropriate list of applicable courses.
- Meet the American Institutions and Diversity requirements.
- Earn a "C" or "CR" grade or higher in all IGETC courses.
- Complete a minimum of 60 degree applicable CSU transferable semester units.
- Earn a cumulative G.P.A. of 2.0 in all college coursework completed.
- Meet College of the Canyons residency requirements for graduation.
- Note: No Physical Education and/or Wellness courses are required.

To meet requirements for the IGETC - UC associate degree program, students must:

- Complete IGETC - UC Certification pattern.
- Meet the American Institutions and Diversity requirements.
- Earn a "C" or "CR" grade or higher in all IGETC courses.
- Complete a minimum of 60 degree applicable UC transferable semester units.
- Earn a cumulative G.P.A. of 2.0 in all college coursework completed.
- Meet College of the Canyons residency requirements for graduation.
- Note: No Physical Education and/or Wellness courses are required.

Associate in Arts Degree: Liberal Arts and Sciences

Degree Student Learning Outcome:

Students will be able to analyze biological or psychological concepts and formulate strategies for a health related career

Program Requirements:

Health Science Emphasis - Minimum 18 units. Select at least six units from one discipline.

		Units
BIOSCI-100	General Biology	4.00
OR		
BIOSCI-100H	General Biology – Honors	4.00
BIOSCI-201	Introduction to Human Anatomy	4.00
BIOSCI-202	Introduction to Human Physiology	4.00
BIOSCI-204	Human Anatomy & Physiology I	4.00
BIOSCI-205	Human Anatomy & Physiology II ...	4.00
BIOSCI-221	Introduction to Microbiology.....	4.00
CHEM-151	Preparatory General Chemistry.....	4.00
OR		
CHEM-151H	Preparatory General Chemistry- Honors	4.00
COMS-105	Fundamentals of Public Speaking.....	3.00
OR		
COMS-105H	Fundamentals in Public Speaking- Honors	3.00
HLHSC-150	Nutrition	3.00
MATH-140	Introductory Statistics	4.00
OR		
MATH-140H	Introductory Statistics – Honors.....	4.00
PSYCH-101	Introduction to Psychology	3.00
OR		
PSYCH-101H	Introduction to Psychology – Honors	3.00
PSYCH-172	Developmental Psychology	3.00
OR		
PSYCH-172H	Developmental Psychology – Honors	3.00
SOCI-101	Introduction to Sociology	3.00
OR		
SOCI-101H	Introduction to Sociology – Honors	3.00

PUBLIC SAFETY – AGENCY TRAINING

The College, in conjunction with various community partner agencies, provides additional advanced training courses that are approved by the State Fire Marshal, the California Department of Forestry and Fire Protection, and the Commission on Peace Officer Standards Training (P.O.S.T.). These advanced training courses are part of the Los Angeles County Fire Department, Los Angeles County Lifeguard, Los Angeles Sheriff Department, and Los Angeles Police Department series.

Registration for the following courses are limited to students who have successfully completed the prerequisites, or provide evidence of minimum skills necessary to be successful in the course, that are listed in the course outlines or record. Approval of equivalent enrollment eligibility is not a guarantee that state regulatory and licensing authorities will also grant equivalency for licensure or employment purposes. For more information on the minimum skills validation for these course contact the College’s Academic Affairs office. The courses listed below may be repeated if used for legally mandated training and are offered pass/no-pass only unless otherwise noted.

**LAW ENFORCEMENT, POLICE DEPARTMENT
ADVANCED TRAINING - (LEPD)**

**LEPD 001 FORCE OPTION SIMULATOR
INSTRUCTOR**

Units: 0.25
5.00 hours lecture, 11.00 hours lab

Provides trainers with an increased & updated knowledge of LAPD policy and procedures on tactical de-escalation techniques and force options. Topics include the set, trouble shooting and operation of the Force Option Simulator along with application of the law and Use of Force Policy during simulator training.

LEPD 002 FIRST AID/CPR/AED INSTRUCTOR

Units: 1.25
20.00 hours lecture, 20.00 hours lab

Provides Law Enforcement personnel with the required skills to instruct certain Emergency Medical Services Authority First Aid/CPR/AED courses.

PUBLIC SAFETY - AGENCY TRAINING

LEPD 003 DRUG RECOGNITION EXPERT (D.R.E.) PRE-SCHOOL

Units: 1.00
24.00 hours lecture

Provides instruction on identifying signs of drug impairment. Topics include drug evaluation and classification, report writing and courtroom testimony preparation.

LEPD 004 BICYCLE PATROL TACTICAL FIREARMS

Units: 0.15
2.00 hours lecture, 6.00 hours lab

Presents firearms safety guidelines, department policies and proper shooting skills for law enforcement officers on bicycle patrol.

LEPD 005 PSL 2 - BUILDING THE CONFIDENT AND COMPETENT LEADER

Units: 0.75
16.00 hours lecture, 24.00 hours lab

Provides instruction on de-escalation techniques & strategies and updated use of force options, law and policy. Topics include cooperative suspect tactics, updated arrest and control techniques, professionalism and ethics, procedural justice, first aid, impression management and critical incident adjudication.

LEPD 006 CRITICAL INCIDENT MANAGEMENT UPDATE

Units: 0.25
8.00 hours lecture

Provides students with the basic knowledge and skills needed for responding to critical incidents. Topics include the therapeutic responses of defusing and group debriefing along with critical incident policies and procedures.

LEPD 007 DOMESTIC VIOLENCE/SEX ASSAULT INVESTIGATION

Units: 0.50
16.00 hours lecture

Presents information on domestic violence and sexual assault investigation. Topics include liability for law enforcement, dynamics of domestic violence and interviewing techniques.

LEPD 008 HUMAN TRAFFICKING INVESTIGATIONS

Units: 2.00
40.00 hours lecture

Provides students with an understanding of human trafficking investigations including the core elements of human trafficking, empathic victim approach & care of victims, applications of legal regulations, evidence identification and collection, case development and investigator ethics and wellness.

LEPD 018A USE OF FORCE/DE-ESCALATION (CRISIS NEGOTIATION)

Units: 0.25
8.00 hours lecture

Introduces students to verbal strategies and disengagement techniques applicable to crisis negotiation in field situations.

LEPD 021 FIREARMS/HANDGUN INSTRUCTOR ADVANCED

Units: 1.00
10.00 hours lecture, 30.00 hours lab

Educates and trains law enforcement firearms instructors and officers in advanced handgun handling and shooting skills.

LEPD 024A POLICE SERVICE REPRESENTATIVE (DISPATCHER) INSTRUCTOR UPDATE

Units: 0.50
16.00 hours lecture

Provides Police Service Representatives (PSR) III (Dispatchers) with an update of the basic fundamental knowledge and tools to be a competent Instructor and Bureau Communications Coordinator (BCC).

LEPD 039A FIREARMS – SIGHTING SYSTEMS

Units: 0.25
2.00 hours lecture, 16.00 hours lab

Provides training necessary to safely maintain, manipulate and employ a pistol mounted optic (PMO).

LEPD 048A DISPATCH ETHICS AND LEADERSHIP

Units: 0.25
8.00 hours lecture

Explores the dynamics of leadership and their application within ethical decision making situations.

LEPD 051A DISPATCHER - OFFICER SAFETY AWARENESS

Units: 0.25
8.00 hours lecture

Identifies complacency issues in dispatching and their effects on possible threats to officer safety. Topics include communications, threat assessment, and high risk calls.

LEPD 051B DISPATCHER UPD PUBLISC SAFETY

Units: 0.25

8.00 hours lecture

Provides Police Service Representatives, (Public Safety Dispatcher,) with the tools and information to improve their performance as a Dispatcher. Topics include conflict to collaboration, false alarm system, electronic satellite pursuit, remote out of vehicle emergency radio electronic book and Orion mapstar system.

LEPD 051C ENHANCED DISPATCH ASSISTANCE FOR PATROL PERIMETERS - PRINCIPLES

Units: 0.15

6.00 hours lecture, 2.00 hours lab

Provides students with the skills and knowledge to assist field officers with establishing and coordinating perimeters. Topics include apprehension vs containment, K-9 criteria, perimeter concepts and establishing a perimeter.

LEPD 117 BASIC COURSE MODULE I

Units: 10.00

123.00 hours lecture, 189.00 hours lab

Introduction to peace officer strategies and techniques. Topics include Crisis intervention, Juvenile Crime, Domestic Violence, Gang Awareness, Emergency Management, Firearms/Chemical Agents, Arrest and Control, Crime Scenes, Evidence, Vehicle Operations and Traffic Collision Investigations.

LEPD 119 BASIC COURSE MODULE III

Units: 4.00

52.00 hours lecture, 83.00 hours lab

Covers the components of leadership, the responsibility to lead and the impact of peace officer leadership.

NONCREDIT

CAREER SKILLS

NC.CSKL 004 CUSTOMER SERVICE

8.00 – 24:00 hours

Applies practical strategies to retain a valuable customer base, diffuse difficult situations and earn repeat business. Topics include the anatomy of a complaint, regulating verbal and nonverbal responses, active listening skills, creative problem solving, customer perceptions and expectations, adapting to different conflict styles, and steps to defuse angry customers.

NC.CSKL 012 JOB SHADOWING

8.00 – 16.00 hours

Explores a specific career of interest by observing an employee perform their work duties at their place of employment. Provides realistic career information that will aid career evaluation.

COMPUTER APPLICATIONS AND WEB TECHNOLOGIES

Certificate of Completion: Digital Publishing for the Office

The Digital Publishing for the Office Certificate is designed to satisfy industry demand for workers with fundamental skills required for effective job performance in the modern office workplace. The certificate program is intended to provide office workers with training in digital publishing to meet routine demands, including creation of newsletters, flyers, brochures, magazines, calendars, etc.

Certificate Student Learning Outcome:

Students will be able to demonstrate competences required to satisfy industry demand for workers with fundamental skills required for effective job performance in desktop publishing.

Program Requirements:

Units Required: 0

Units

NC.CAWT-011A	Exploring Adobe InDesign	0.0
NC.CAWT-011B	Creating Newsletters and Brochures ... with Adobe InDesign.....	0.0

NONCREDIT

NC.CAWT-011A EXPLORING ADOBE INDESIGN

8.00 hours
Introduces basic Adobe InDesign functionality related to the task of formatting and publishing small-scale documents.

NC.CAWT-011B CREATING NEWSLETTERS AND BROCHURES WITH ADOBE INDESIGN

8.00 hours
Introduces the production of small-scale newsletter and brochure prototypes for print and digital display using Adobe InDesign.

ENGLISH AS A SECOND LANGUAGE (ESL)

Certificate of Competency: English as a Second Language (ESL) for College Preparation

The Noncredit English as a Second Language (NC.ESL) program is a general ESL program that gives students the foundations in general English but college requires an academic English so for those students interested in moving to credit ESL and credit courses, mastery of key academic English skills is essential to their success. This certificate program allows NC.ESL students to focus their English skills for a college environment.

Certificate Student Learning Outcome:
Students will be able to communicate in English at the high-intermediate level in common college situations.

Program Requirements:

Units Required: 0	Units
NC.ESL-060 College Reading, Writing, and Grammar I	0.0
NC.ESL-061 College Listening and Speaking I.....	0.0

NC.ESL 060 COLLEGE READING, WRITING, AND GRAMMAR I

54.00 hours
Develops reading, writing, and grammar skills designed to progress non-native speakers of English toward college-level work.

NC.ESL 061 COLLEGE LISTENING AND SPEAKING I

54.00 hours
Provides practice speaking in informal college situations. Focuses on listening, speaking, and pronunciation through extensive practice in common college situations.

OLDER ADULTS

NC.OAD 001 ISSUES IN HEALTHY AGING FOR OLDER ADULTS

18.00 hours- 54.00 hours
Examine issues of aging and the related concerns of the older adult, emphasizing the age-specific challenges associated with health, law, finances, as well as personal and social relationships. Includes information on caregiving and assisting self and others with ongoing health conditions.

NC.OAD 008 CREATIVE EXPRESSION THROUGH ACTING FOR OLDER ADULTS

18.00 hours- 54.00 hours
Develops skills in creative expression for older adults through acting and storytelling. Acting and storytelling topics explored may include solo performance, improvisation, scene work and/or musical theatre. End of class public performance may be offered.

NC.OAD 009 AUTOBIOGRAPHICAL STORYTELLING THROUGH THE ONE PERSON SHOW FOR OLDER ADULTS

18.00 hours- 54.00 hours
Develops storytelling skills through writing and performing/reading an original solo piece. Utilize reminiscing, spontaneous writing, improvisation, and instructor/group feedback to improve writing and performance skills. End of class performances or readings may be offered.

NC.OAD 010 AQUATIC FITNESS FOR OLDER ADULTS

18.00 hours- 54.00 hours
Examines the theory and practice of aquatic fitness for older adults. The physical and mental wellbeing of older adults is improved through aerobic conditioning, strength training, and stretch activities in a water environment. Swim skills are not required.

NC.OAD 020 CURRENT EVENTS AND ISSUES IMPACTING OLDER ADULTS

18.00 hours- 54.00 hours
Analyze and discuss current events and issues impacting older adults with an emphasis on improving communication and critical thinking skills.

NC.OAD 080 PHOTOGRAPHY FOR OLDER ADULTS

8.00 – 27.00 hours

Explores the technical skills used in photography emphasizing the compositional guidelines that create an image. Includes downloading, organizing, sharing and emailing images. It is recommended that students have access to a camera: including DSLR, smartphone, or point and shoot camera. Field trips may be required.

NC.OAD 081 PHOTOGRAPHIC PRESENTATIONS FOR OLDER ADULTS

8.00 – 27.00 hours

Explores techniques to create digital visual/audio presentations and slide shows. Field trips may be required.

NC.OAD 082 PHOTOGRAPHING NATURE FOR OLDER ADULTS

8.00 – 27.00 hours

Introduces technical skills for photographing nature, including image composition techniques and file management. It is recommended that students have access to DLSR, smartphone, or point and shoot camera. Field trips may be required

NC.OAD 083 PHOTOGRAPHING PEOPLE FOR OLDER ADULTS

8.00 – 27.00 hours

Introduces technical skills for photographing people, including image composition techniques and file management. It is recommended that students have access to DLSR, smartphone, or point and shoot camera. Field trips may be required.

NC.OAD 100 HEALTH AND FITNESS FOR OLDER ADULTS

18.00 hours- 54.00 hours

Examines the theory and practice of health and skill related physical fitness activities for older adults with an emphasis on maintaining independence in daily activities. Improves physical and mental wellbeing through life-sustaining exercise strategies and discussions on disease and injury prevention.

PERSONAL TRAINER

NC.HLTH 001 ADULT AND PEDIATRIC CPR, FIRST AID, AND AED

5.00 - 16.00 hours

Presents the skills needed to recognize and respond to a variety of first aid, breathing, and cardiac emergencies involving adults, children, and infants. Upon successful completion of this course, students to receive a digital American Red Cross certificate for Adult and Pediatric CPR, First Aid, and AED (valid for two years) for an additional fee. Obtaining the American Red Cross certificate for Adult and Pediatric CPR, First Aid, and AED meets OSHA/workplace requirements.

PHOTOGRAPHY

Certificate of Completion: Digital Photographic Camera and Composition Fundamentals

The Digital Photographic Camera and Composition Fundamentals Certificate trains students to develop the skills needed to gain an accurate understanding of basic operation of digital cameras, lenses, and storage media as well as appropriate critical and aesthetic standards of photographic composition. Each related course is designed and taught to develop and improve competencies required for employment in the photographic industry.

Certificate Student Learning Outcome:

Students will be able to demonstrate and apply the basic operation of digital camera equipment and fundamental principles of photographic composition.

Program Requirements:

Units Required: 0

	Units
NC.PHOT-050 Fundamentals of Digital Camera Equipment	0.0
NC.PHOT-052 Fundamentals of Photographic Composition	0.0
NC.PHOT-059 Lab Practices for the Digital Darkroom.....	0.0

NONCREDIT

Certificate of Completion: Digital Photographic Camera and Manual Exposure Fundamentals

The Digital Photographic Camera and Manual Exposure Fundamentals Certificate trains students to develop the skills needed to gain an accurate understanding of basic operation of digital cameras, lenses, and storage media as well as the fundamental technical principles of photographic exposure. Each related course is designed and taught to develop and improve competencies required for employment in the photographic industry.

Certificate Student Learning Outcome:

Students will be able to demonstrate and apply the basic operation of digital camera equipment and fundamental principles of photographic exposure.

Program Requirements:

Units Required: 0

	Units
NC.PHOT-050 Fundamentals of Digital Camera Equipment	0.0
NC.PHOT-051 Fundamentals of Photographic Exposure	0.0
NC.PHOT-059 Lab Practices for the Digital Darkroom.....	0.0

Certificate of Completion: Digital Photographic Project Fundamentals

The Digital Photographic Project Fundamentals Certificate trains students in the proper procedures and practices for operation of digital cameras, principles of photographic exposure, critical and aesthetic standards, and project development needed to complete assignments in the photographic industry. Each related course is designed and taught to develop and improve competencies required for employment in the photographic industry.

Certificate Student Learning Outcome:

Students will be able to demonstrate and apply the basic technical skills and fundamental principles for development of digital photographic projects.

Program Requirements:

Units Required: 0

	Units
NC.PHOT-050 Fundamentals of Digital Camera Equipment	0.0
NC.PHOT-051 Fundamentals of Photographic Exposure	0.0
NC.PHOT-052 Fundamentals of Photographic Composition	0.0
NC.PHOT-059 Lab Practices for the Digital Darkroom.....	0.0
NC.PHOT-099 Independent Projects in Photography	0.0

NC.PHOT 050 FUNDAMENTALS OF DIGITAL CAMERA EQUIPMENT

8.00 hours

Explores proper procedures and practices for basic operation of digital cameras, lenses, and storage media for photographic images. It is recommended that students provide a digital camera capable of fully manual exposure and adjustment.

NC.PHOT 051 FUNDAMENTALS OF PHOTOGRAPHIC EXPOSURE

8.00 hours

Recommended Preparation: NC.PHOT-050

Introduces fundamental principles of manual photographic exposure. It is recommended that students provide a digital SLR camera capable of manual camera control.

NC.PHOT 052 FUNDAMENTALS OF PHOTOGRAPHIC COMPOSITION

8.00 hours

Recommended Preparation: NC.PHOT-050

Introduces appropriate aesthetic standards in the composition of the photographic image. It is recommended that students provide a digital camera capable of fully manual exposure and adjustment.

NC.PHOT 059 LAB PRACTICES FOR THE DIGITAL DARKROOMN

24.00 hours

Prerequisite: NC.PHOT-050

Apply basic importing, processing, and printing of digital images utilizing photography lab equipment and digital darkroom facilities. It is recommended that students provide a digital camera capable of fully manual exposure and adjustment.

NC.PHOT 099 INDEPENDENT PROJECTS IN PHOTOGRAPHY N

68.00 hours

Prerequisite: NC.PHOT-050, NC-PHOT-051, and NC.PHOT-052

Presents an introduction to the photographic industry through project development, encompassing research, drafting a proposal, revision, and completion of individual photographic projects and techniques.

PUBLIC SAFETY

NC.FIRT 030 WILDLAND FIRE CHAIN SAWS

20.00 hours lecture, 10.00 – 16.00 hours lab

Provides the function, maintenance and use of internal combustion engine powered chain saws, and their tactical wildland fire application. Field exercises support entry level training for firefighters with little or no previous experience in operating a chain saw, providing hands-on cutting experience in surrounding similar to fireline situations.

NC.FIRT 045 E-962 ALL HAZARDS PLANNING SECTION CHIEF

32.00 hours lecture

Provides an overview of key duties and responsibilities of a Planning Section Chief Type III in a Type III All Hazards Incident Management Team (AHIMT).

NC.FIRT 102 EMERGENCY MEDICAL TECHNICIAN

105.00 hours lecture, 88.00 hours lab

Prepares students for certification as an Emergency Medical Technician, including basic, non-invasive interventions to reduce the morbidity and mortality associated with acute out-of-hospital medical and traumatic emergencies. Includes ambulance ride along.

VOCATIONAL

Certificate of Completion: Adobe Photoshop Association Certification Exam Preparation

Designed to prepare a student for Adobe Certified Associate exam a credential certifying the individual has the entry-level skills to plan, design, build and maintain effective communications using Adobe Photoshop.

Certificate Student Learning Outcome:

Students will be able to identify and select appropriate techniques for the success for preparation for the Adobe Photoshop Associates Certification Exam

Program Requirements:

Units Required: 0

	Units
NC.VOC-021A Adobe Photoshop Certification Training I.....	0.0
NC.VOC-021B Adobe Photoshop Certification Training II.....	0.0
NC.VOC-021C Adobe Photoshop Certification Training III.....	0.0

NC.VOC 021A ADOBE PHOTOSHOP CERTIFICATION TRAINING I

8.00 hours

Provides students basic preparation for the Adobe Certified Associate exam for Visual Design Using Adobe Photoshop CC. Part 1 of 3. Introduces the fundamental concepts, terminology, navigation and retouching of digital imaging using industry software as Adobe Photoshop.

NC.VOC 021B ADOBE PHOTOSHOP CERTIFICATION TRAINING II

8.00 hours

Recommended Preparation: NC.VOC-021A

Continued preparation for the Adobe Certified Associate exam for Visual Design Using Adobe Photoshop CC. Part 2 of 3. Introduces basic compositing techniques using industry software Adobe Photoshop.

NC.VOC 021C ADOBE PHOTOSHOP CERTIFICATION TRAINING III

8.00 hours

Prerequisite: NC.VOC-021B

Provides preparation for the Adobe Certified Associate exam for Visual Design Using Adobe Photoshop CC Part 3 of 3. Introduces basic project management, output and publishing using Photoshop.

NONCREDIT

Student Representation Fee: On January 1, 2020, the State Legislature enact a new law that increased the Student Representation Fee from \$1 per student to term to \$2 per student per term. The additional \$1 will be collected to establish and support the operation of a statewide community college student organization. This new \$2 fee must be charged to all students with registration occurring on or after January 1, 2020 for any term. Students who registered after January 1, 2020 will be billed the additional fee.