



Victor
Valley
College

2019-2020
Addendum



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NEW AND UPDATED COURSES

Reason	Course	Title	Units	Hours	Description	Transfer
New Course	AGNR 60A	Environmental Horticulture Laboratory	1.0	48 - 54 hours Laboratory	Horticulture laboratory setting for students to further develop skills taught in traditional lecture/lab classes. Particular emphasis on best practice, and technology for the production of vegetables, herbs, fruit and other good plants.	
New Course	AGNR 60B	Environmental Horticulture Laboratory	1.0	48 - 54 hours laboratory	Horticulture laboratory setting for students to further develop skills in the best practices and technology used for the production and maintenance of California Native plants for Ecological Restoration. Students learn propagation, seed collection and processing, pruning, organic fertilizing, pest management, drip irrigation and monitoring.	
New Course	AGNR 60C	Environmental Horticulture Laboratory	1.0	48 – 54 hours laboratory	Horticulture laboratory setting for students to further develop skills in the best practices, and technology used for the design, installation and management of low pressure and drip irrigation systems.	

Reason	Course	Title	Units	Hours	Description	Transfer
New Course	AUTO 79.3	Advanced Automotive Engine Performance Diagnostics	4.0	48-54 hours Lecture 48-54 hours laboratory	<p>This course provides advanced-level theory and hands-on lab experience in the area of Diagnostics related to Automotive engine management systems including; fuel injection, ignition systems and emission systems. This class will also focus on electronic components, their functions and application to Automotive engine control systems. Projects will include the construction of electrical circuits for the application understanding solid-state device functions and applications. Additionally, this course will have preparatory instruction for the technician-level ASE L-1 (Advanced Engine Performance) Trade examination. The focus is placed on advanced engine management components and emission systems including: Fuel Deliver, Fuel Injection, Direct Injection, Variable Valve Timing, Variable Valve Lift, and Variable Displacement engine systems, electronic Ignition, Emission Control, Systems, computer networks and Bus systems with an emphasis on the interaction of these systems on late-model vehicles. Advanced-level troubleshooting techniques including the use of Diagnostic Scanners to interface with vehicle onboard computer systems for data analysis, electronics and their function, and Lab Scopes for the testing of computer controlled electrical circuits are large components in the lab portion of this class.</p>	

Reason	Course	Title	Units	Hours	Description	Transfer
New Course	AUTO 90.B	Introduction to Automotive Sheet Metal Fabrication	4.0	32-36 hours Lecture 96-108 hours Laboratory	Prerequisite: WELD 58A and AUTO 50 This course is designed to provide the Student with the basic knowledge and understanding of sheet metal fabrication as it applies to the automotive and automotive accessory industry.	
New Course	AUTO 90.C	Introduction to Automotive Tube Fabrication	4.0	32 – 36 hours Lecture 96 – 108 hours laboratory	This course is designed to provide the student with basic knowledge and understanding of tube fabrication as it applies to the Automotive Industry.	
New Course	BIOL 98B	Research Concepts in International Natural History	4.0	16-18 hours Lecture 144-162 hours Laboratory	This study abroad course offers students the opportunity to travel, and to learn about and conceptualize biological research first-hand. The experience is designed to extend beyond the natural environment and the local geography by including the history and the culture of the trip destination(s). Pre-trip preparation may include lectures as well as reading and/or writing assignments. Participation in the travel portion of the course is mandatory. No prerequisite, permission from the instructor is required for registration. Grad or Pass/No Pass. Trips vary in length from 14-18 days.	
New Course	BIOL 98C	Research in International Natural History	5.0	16-18 hours lecture 192-216 hours laboratory	This study abroad course offers students the opportunity to travel, and to learn about and conduct first-hand biological research. The experience is designed to extend beyond the natural environment and the local geography by including the history and the culture of the trip destination(s). Pre-trip preparation may include lectures as well as reading and/or writing assignments. Participation in the travel portion of the course is mandatory. No prerequisite, permission from the instructor is required for registration. Grade or Pass/No Pass. Trips vary in length from 19-25 days	

Reason	Course	Title	Units	Hours	Description	Transfer
New Course	PAL 208	Immigration Law for Paralegals	3.0	48 – 54 Hours lecture	Immigration Law for Paralegals offers the student a thorough, accessible, and practical approach to understanding and putting the U.S. laws and regulations to applied immigration practice. This course surveys immigration in the United States and how the paralegal supports the attorney including interviewing, gathering information, case management and document preparation techniques; analysis of temporary and permanent employment visas; analysis of family-based petitions, political asylum and naturalization. Enforcement and deportation process and procedure for proceedings will be reviewed. Also covered will be representation before Department of Homeland Security agencies.	CSU
New Course	TUTR 30	Fundamentals of Tutoring	1.0	16-18 hours lecture	A general introduction to tutoring and skills needed to be an effective tutor. Training in learning styles, using questioning techniques, college resources, prioritizing feedback, and modeling will be provided. Individual differences in learning styles will be discussed and the importance of encouraging independence and good study habits will be stressed. Students will participate in supervised tutoring in Tutoring and Academic Support.	

NEW & CORRECTED CERTIFICATES

AUTOMOTIVE ENGINE PERFORMANCE SPECIALIST CERTIFICATE		
Units Required: 18	All of the following must be completed	
COURSE	TITLE	UNITS
AUTO 50	Introduction to Automotive Technology	4
AUTO 77.3	Automotive Workplace Professionalism	2
AUTO 79.1	Basic Automotive Engine Performance and Emission Controls	4
AUTO 79.2	Advanced Automotive Engine Performance and Emission Controls	4
AUTO 79.3	Advanced Automotive Engine Performance Diagnostics	4

AUTOMOTIVE EMISSION TESTING SPECIALIST CERTIFICATE		
Units Required: 18	All of the following must be completed	
COURSE	TITLE	UNITS
AUTO 50	Introduction to Automotive Technology	4.0
AUTO 77.3	Automotive Workplace Professionalism	2.0
AUTO 85-D	BAR Specified Diagnostic and Repair Training	4.0
AUTO 85.5	Engine and Emission Control Training	4.0
AUTO 85.6	Emission Control Training	4.0

AUTOMOTIVE ENGINE SPECIALIST CERTIFICATE OF ACHIEVEMENT		
Units Required: 18-20	All of the following must be completed	
COURSE	TITLE	UNITS
AUTO 50	Introduction to Automotive Technology	4.0
AUTO 77.3	Automotive Workplace Professionalism	2.0
AUTO 51A	Engine Repair	4-6
AUTO 51B	Advanced Engine Diagnosis and Repair	4.0
AUTO 51C	Advanced Engine Diagnosis and Replacement	4.0

AUTOMOTIVE ELECTRICAL SPECIALIST CERTIFICATE OF ACHIEVEMENT		
Units Required: 18	All of the following must be completed	
COURSE	TITLE	UNITS
AUTO 50	Introduction to Automotive Technology	4.0
AUTO 77.3	Automotive Workplace Professionalism	2.0
AUTO 80.1	Automotive Electrical & Electronics I	4.0
AUTO 80.2	Automotive Electrical & Electronics II	4.0
AUTO 82	Automotive Electrical Repair	4.0

AUTOMOTIVE HEATING AND AIR CONDITIONING SPECIALIST CERTIFICATE

Units Required: 18	All of the following must be completed	
COURSE	TITLE	UNITS
AUTO 50	Introduction to Automotive Technology	4.0
AUTO 77.3	Automotive Workplace Professionalism	2.0
AUTO 80.1	Automotive Electrical & Electronics I	4.0
AUTO 80.2	Automotive Electrical & Electronics II	4.0
AUTO 97	Automotive Air Conditioning and Heating Systems	4.0

ADVANCED LIFE SUPPORT MODULE I CERTIFICATE OF ACHIEVEMENT

Units Required: 16.5	All of the following must be completed	
COURSE	TITLE	UNITS
EMS 60	Emergency Medical Technician	9.5
EMS 80	Paramedic Anatomy & Physiology	3.5
EMS 81	Paramedic Introduction to Emergency Medical Services	3.5

ADVANCED LIFE SUPPORT MODULE 2 CERTIFICATE OF ACHIEVEMENT

Units Required: 8	All of the following must be completed	
COURSE	TITLE	UNITS
EMS 82	Paramedic Cardiology	4.5
EMS 83	Paramedic Pharmacology	3.5

ADVANCED LIFE SUPPORT MODULE 3 CERTIFICATE OF ACHIEVEMENT

Units Required: 10	All of the following must be completed	
COURSE	TITLE	UNITS
EMS 84	Emergency Medical Services	10.0

PARAMEDIC INTERNSHIP CERTIFICATE OF ACHIEVEMENT

Units Required: 15.5	All of the following must be completed	
COURSE	TITLE	UNITS
EMS 85	Paramedic Clinical	4.0
EMS 86	Paramedic Field Internship	11.5

MYSQL DATABASE DEVELOPER CERTIFICATE OF ACHIEVEMENT(Corrected)

Units Required: 11	All of the following must be completed	
COURSE	TITLE	UNITS
CIS 280	Fundamentals of Database Management Systems	3.0
CIS 282	Structured Query Language	4.0
CIS 91A	MySQL Admin A	2.0
CIS 91B	MySQL Admin B	2.0

PHOTOGRAPHY CERTIFICATE OF ACHIEVEMENT

Units Required: 20	All of the following must be completed	
COURSE	TITLE	UNITS
PHOT 100	Beginning Photography	3.0
PHOT 111	Beginning Digital Photography	3.0
PHOT 101	Intermediate Photography	3.0
PHOT 52	Introduction to Photoshop	3.0
PHOT 53	Lighting Techniques	3.0
PHOT 54	Portfolio Design	2.0
One of the following must be completed		
COURSE	TITLE	UNITS
PHOT 105	Portraiture	3.0
PHOT 50	Commercial Photographic Application	3.0
PHOT 115	History of Still Photography	3.0
PHOT 103	Alternative Imaging Process	3.0
PHOT 51	Environmental Photography	3.0

ENVIRONMENTAL HORTICULTURE AND LANDSCAPING CERTIFICATE OF ACHIEVEMENT

Units Required: 23-26	All of the following must be completed	
COURSE	TITLE	UNITS
AGNR 120	Integrated Pest Management	3.0
AGNR 121	Introduction to Environmental Horticulture	3.0
AGNR 122	Plant Propagation and Greenhouse Production	3.0
AGNR 140	Plant Material and Usage I	3.0
AGNR 150	Landscape Design	3.0
AGNR 152	Irrigation and Water Management	3.0
AGNR 60A	Environmental Horticulture Laboratory	1.0
AGNR 153	Natural Landscape Maintenance	3.0
One of the following must be completed		
COURSE	TITLE	UNITS
AGNR 60B	Environmental Horticulture Lab	1.0
AGNR 60C	Environmental Horticulture Lab	1.0
AGNR 123	Introduction to Plant Science	3.0
AGNR 131	Introduction to Soil Science	4.0
AGNR 141	Plant Materials and Usage II	3.0
AGNR 170	Environmental Science and Sustainability	4.0
AGNR 171	Introduction to GIS in Natural Resources	3.0
AGNR 172	Natural Resource Remote Sensing & GIS	3.0
AGNR 173	Watershed Management and Restoration	3.0
AGNR 175	Sustainable Agriculture, Environment and Society	3.0

PLANT SCIENCE CERTIFICATE OF ACHIEVEMENT

Units Required: 22-25	All of the following must be completed	
COURSE	TITLE	UNITS
AGNR 74D	Habitat Restoration	1.0
AGNR 120	Integrated Pest Management	3.0
AGNR 122	Plant Propagation and Greenhouse Production	3.0
AGNR 123	Introduction to Plant Science	4.0
AGNR 131	Introduction to Soil Science	4.0
AGNR 141	Plant Materials and Usage II	3.0
AGNR 175	Sustainable Agriculture, Environment and Society	3.0

One of the following must be completed

COURSE	TITLE	UNITS
AGNR 60A	Environmental Horticulture Laboratory	1.0
AGNR 60B	Environmental Horticulture Lab	1.0
AGNR 60C	Environmental Horticulture Lab	1.0
AGNR 121	Introduction to Environmental Horticulture	3.0
AGNR 140	Plant Material and Usage I	3.0
AGNR 150	Landscape Design	3.0
AGNR 152	Irrigation and Water Management	3.0
AGNR 170	Environmental Science and Sustainability	4.0
AGNR 171	Introduction to GIS in Natural Resources	3.0
AGNR 172	Natural Resource Remote Sensing & GIS	3.0
AGNR 173	Watershed Management and Restoration	3.0

ALL RISK FIREFIGHTER CERTIFICATE OF ACHIEVEMENT

Units Required: 20	All of the following must be completed	
COURSE	TITLE	UNITS
FIRE 95	Basic Fire Academy	13.5
FIRE 61B	Confined Space Rescue Awareness	0.5
FIRE 66	Basic Incident Command	1.0
FIRE 82A	Hazardous Materials First Responder Operational	1.5
FIRE 61H	Low Angle Rope Rescue Operational	0.5
FIRE 61E	Firefighter Survival and Rapid Intervention Crew Operations	1.5
FIRE 63A	Auto Extrication	0.5
FIRE 82D	Hazardous Materials First Responder Operational Decontamination	0.5
FIRE 82C	First Responder Operational Weapons of Mass Destruction	0.5

BASIC FIREFIGHTER CERTIFICATE OF ACHIEVEMENT

Units Required: 15	All of the following must be completed	
COURSE	TITLE	UNITS
FIRE 95	Basic Fire Academy	13.5
FIRE 82A	Hazardous Materials First Responder Operational	1.5

INTERMEDIATE FIREFIGHTER CERTIFICATE OF ACHIEVEMENT

Units Required: 16.5	All of the following must be completed	
COURSE	TITLE	UNITS
FIRE 95	Basic Fire Academy	13.5
FIRE 66	Basic Incident Command	1.0
FIRE 61B	Confined Space Rescue Awareness	0.5
FIRE 82A	Hazardous Materials First Responder Operational	1.5

INTRODUCTION TO FIREFIGHTING CERTIFICATE OF ACHIEVEMENT

Units Required: 13	All of the following must be completed	
COURSE	TITLE	UNITS
FIRE 95	Basic Fire Academy	13.0

WILDLAND FIREFIGHTER CERTIFICATE OF ACHIEVEMENT

Units Required: 9.5	All of the following must be completed	
COURSE	TITLE	UNITS
FIRE 61B	Confined Space Rescue Awareness	0.5
FIRE 59	Basic Wildland Fire Academy	2.5
FIRE 59B	CalFire Basic Wildland Academy	2.5
FIRE 82A	Hazardous Materials First Responder Operational	1.5
FIRE 66	Basic Incident Command	1.0
FIRE 61E	Firefighter Survival and Rapid Intervention Crew Operations	1.5

NEW DEGREES

PHILOSOPHY AA-T

The study of philosophy an opportunity to explore the most fundamental concerns of human life. Students examine and assess the concepts of the world's major thinkers and most influential tests regarding such themes as human value, religious experience, political order, truth and ultimate reality. Philosophical study helps to develop such valuable and transferable skills as analytical reading and writing, creative and critical thinking, and independent judgement.

Program requirements: 18 units

COURSE	TITLE	UNITS
Required core: Select two (6 units)		
PHIL 109	Introduction to Logic	3.0
PHIL 101	Introduction to Philosophy	3.0
PHIL 108	Introduction to Ethics and Contemporary Moral Issues	3.0
List A: Select one (3 Units)		
Any REQUIRED CORE not already used		
PHIL 120	History of Ancient Philosophy	3.0
PHIL 121	History of Modern Philosophy	3.0
PHIL 207/RLST 207	Introduction to Critical Thinking	3.0
List B: Select two (6 units)		
Any List A course not already used		
PHIL 117/RLST 117	Philosophy of Religion	3.0
PHIL 114/POLS 114	Political Philosophy	3.0

Requirements for the AA-T in Philosophy degree at Victor Valley College:

A student pursuing the above AA-T degree at VVC must ensure the California State University (CSU) of their choice is accepting that similar major. Students completing an AA-T degree are guaranteed admissions into a CSU campus given that a student fulfills the following:

- 1) **Completes 60 CSU transferable units;**
- 2) **Completes the CSU General Education (GE) or IGETC General Education pattern;**
- 3) **Completes the major program requirements (above) with a grade of "C" or better;**
- 4) **Maintains a transferable cumulative GPA of a 2.0 or higher;**

For Information on the AA-T/AS-T degrees, meet with a counselor and/or visit the following websites:
www.adegreewithaguarantee.com, www.sb1440.org, and www.calstate.edu

PHYSICS A.S.

To earn an Associates in Physics all the following course must be completed and the student must complete all the Victor Valley Graduation Requirements

Units Required: 60

COURSE	TITLE	UNITS
PHYS 201	Engineering Physics - Mechanics	4.0
PHYS 202	Engineering Physics II – Fluids, Sound, and Thermodynamics	4.0
PHYS 203	Engineering Physics III – Electricity and Magnetism	4.0
PHYS 204	Engineering Physics IV – Optics and Modern Physics	4.0
PHYS 210	Computer Methods for Engineers	4.0

Respiratory Therapy

Respiratory therapy is an allied health profession specializing in the diagnosis, treatment, and care of patients suffering from cardiopulmonary disease.

The program provides didactic instruction and supervised clinical practice in Southern California hospitals. Graduates of the VVC Respiratory Therapy Program, as a result of the education and training they receive, pass the state licensing and national registry exams at a rate much greater than the national average. The Victor Valley College Respiratory Therapy Program is accredited by the Commission on Accreditation for Respiratory Care (CoARC), 264 Precision Blvd, Tedford, TX 37690, USA (817) 283-2835.

Separate application must be made to the Respiratory Therapy Program. Seating is limited to a maximum of twenty-six students per class.

Applications are available from the Allied Health website www.vvc.edu/academic/respiratory-therapy/ or from the Counseling Department.

Pre-course requirement paid for by student: 1) National background check; 2) Titers demonstrating immunity to Tetanus, Diphtheria, Pertussis, Varicella, Mumps, Measles, Rubella; 3) Two Tuberculosis tests within 3 months of course start; 4) Physical examination by physician; and 5) Background check and drug testing the first week of the course. Please contact Respiratory Therapy program director for information and forms.

Career Opportunities

Respiratory Care Practitioner, Critical Care Specialist, Diagnostic Testing Specialist, Education, Home Care Neonatal/Pediatric Specialist, Pulmonary Rehabilitation, Research

Faculty

Traci Marin | Michael Haines

Degrees and Certificates Awarded

Associate in Science, Respiratory Therapy
Respiratory Therapy Certificate

Program Learning Outcomes

The Victor Valley College Respiratory Therapy Program's overall goal is to prepare graduates with demonstrated competence in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains of respiratory care practice as performed by registered respiratory therapist (RRTs). The goals are assessed using the following program learning objectives (PLOs).

A student receiving a degree or certificate in this field will be able to:

- Demonstrate the ability to comprehend, apply, and evaluate clinical information relative to their role as an advanced-practiced therapist (Cognitive Domain)
- Demonstrate the technical proficiency in all skills necessary to fulfill the role of Registered Respiratory Therapist (Psychomotor Domain).
- Demonstrate behaviors consistent with professionalism and meet employer expectations for the Registered Respiratory Therapist (Affective Domain).

Associate Degree

To earn an Associate in Science degree with a major in Respiratory Therapy (04957), complete all requirements for the Respiratory Therapy Certificate. The Respiratory Therapy Certificate above includes all requirements for both a certificate and an Associate in Science degree in Respiratory Therapy.

Transfer

A handout with all transfer requirements for a B.S. degree in Health Care Services, Respiratory Therapy, and other related medical degrees from Loma Linda University is available in the Counseling Department, or visit www.llu.edu.