



Victor Valley College

2018-2019 Addendum



TABLE OF CONTENTS

NEW COURSES

3

COURSE	TITLE	PAGE NUMBER
ANTH 103LB	Archaeology Lab II	3
ANTH 103LC	Archaeology Lab III	4
AUTO 51B	Advanced Engine Diagnosis and Repair	4
AUTO 51C	Advanced Engine Diagnosis and Replacement	4
AUTO 60.1	Automotive Suspensions, Steering and Alignment	4
AUTO 60.2	Advanced Alignment	5
AUTO 80.1	Automotive Electrical & Electronics I	5
AUTO 80.2	Automotive Electrical & Electronics II	5
AVA 50B	Aircraft Metallic Fabrication	5
AVA 75	Composites 1 Introduction to Composites	6
AVA 76	Composites 2 Advanced Composites Repair	6
AVA 77	Composites 3 Manufacturing Process for Advanced Composites	6
CMST 138	Cooperative Education Communication Studies	6
CMST 188LB	Journalism Lab B	6
CTMF 121D	Advanced Woodworking II	7
GEOG 138	Cooperative Education Geography	7
LAW 100	Introduction to Law and Paralegal Studies	7
LAW 205	Mock Trial Advocacy	7
PAL 138	Cooperative Education Paralegal Studies	8
PHIL 138	Cooperative Education Philosophy	8
RLST 138	Cooperative Education Religious Studies	8
WELD 72	Introduction to Pipe Welding	8
WELD 73	Intermediate Pipe Welding	8
WELD 74	Advanced Pipe Welding	8

UPDATED COURSES

9

COURSE	TITLE	PAGE NUMBER
ADPE 90	Hawaiian Dance	9

DEACTIVATED COURSES

COURSE	TITLE
ACOM 30	Citizenship Preparation
APE 169A	Introduction to Adapted Cardiac Rehabilitation
APE 169B	Intermediate Adapted Cardiac Rehabilitation
APE 169C	Advanced Adapted Cardiac Rehabilitation
AUTO 51	Automotive Engines Drive Trains
BADM 101	Financial Accounting
BADM 102	Managerial Accounting
BRE 60	Advanced RE Appraisals: Compliance and Review Procedures
BRE 61	Advanced RE Appraisals: Land Valuation
BRE 62	Advanced RE Appraisals: Narrative Report
CIS 164	Computer Mathematics
CIS 210	Programming in Visual Basic
CIS 262	Unix Systems Administration B

COURSE	TITLE
CTMF 127	Production Woodworking
CTMF 130A	Mechanical Desktop
CTMF 130B	Advanced Mechanical Desktop
CTMF 131A	Computer-Aided Manufacturing (CAM) Software
CTMF 131B	Computer-Aided Manufacturing (CAM) Software Advanced
ESL 48	High Advanced Grammar
FIRE 11C	Rescue Systems 2
FIRE 11F	River/Flood Rescue
FIRE 11G	Auto Extrication Techniques
FIRE 61K	Rescue Systems 3: Structure Collapse
FIRE 70C	Training Instructor 1C: Instructional Development Techniques
FIRE 71	Training Instructor 1B: Psychomotor Lesson Delivery
FIRE 72C	Fire Command 1C I-Zion Firefighting for Company Officers
FIRE 73	Fire Command 1B – Incidents Management for Company Officers (1998)
FIRE 74	Fire Prevention 1A
FRE 74C	Fire Prevention 2A
FIRE 75	Fire Prevention 1B
FIRE 76	Fire Management 1-Supervision for Company Officers
FIRE 77	Investigation 1A
FIRE 78	Fire Prevention 1C
MATH 116	Preparation for Calculus
MATH 6	Math Operations
POLS 130	Introduction to Paralegal Studies

NEW AND UPDATED CERTIFICATES

9

PROGRAM	CERTIFICATE TITLE	PAGE NUMBER
Architecture	Architectural CADD Technician I (Certificate Update)	9
Automotive	Automotive Transmission Specialist Technician (New Certificate)	9
Automotive	Automotive Alternate Propulsion (New Certificate)	10
Automotive	Automotive Brake and Suspension Specialist Technician (New Certificate)	10
Automotive	Automotive Service Advisor and Manager (New Certificate)	10
Automotive	Automotive Detailer and Porter (New Certificate)	10
Automotive	Light Duty Diesel Technician (New Certificate)	11
Aviation	Composite Aerospace Manufacturing (New Certificate)	11
Engineering	Drafting Technician I (Certificate Update)	11
Paralegal	Pathway to Law (New Certificate)	11 - 12
General	Intersegmental General Education Transfer Curriculum (IGETC) (New)	12 - 18
General	California State University (CSU) General Education (GE) Requirements (New)	18 - 24

NEW AND UPDATED DEGREES

24

PROGRAM	DEGREE TITLE	PAGE NUMBER
Business	Business A.S. (30767) (New Degree)	24
Music	Music AA-T (36737) (New Degree)	25
Psychology	Psychology (37067) (Degree Update)	26

TUITION and FEES

VVC accurately informs all its current and prospective students about the total cost of education, including tuition, fees, and other required expenses, including textbooks and other instructional materials. The tuition fees are listed on the VVC website in the schedule of classes under Prospective Students, and the College catalog. Students are also made aware of the enrollment fee (including resident, international, and non-resident fees), parking permit fee, student activities fee, student representation fee, and student transportation fee. The website also has Pay with Payment Plan options and policies listed for students who cannot pay for their education. The tuition for the College is \$46 per a credit, which is set by the state's Chancellor's Office. All CTE, Licensure based programs, and Not for Credit, publicize all the fees, and other related costs. In addition, the library has textbooks on reserve. Student Equity and Success, can be an option for students who need assistance with purchasing textbooks.

Cooperative Work Experience Education

Cooperative Education is a key element of Victor Valley College's 16-, 12-, or 8-week course that enables students to receive college credit for paid or unpaid work opportunities. This course helps students gain valuable on-the-job work experience while providing practical education, best practices in professional development, and academic guidance through the course of their work opportunity. The combination of practical experience and curricular development empowers students to be more competitive, efficient and valuable employees upon completion of this program and/or their academic program trajectory. The course is ideal for students who are cross-training at their current worksite for upward mobility or seeking career changes, as well as those looking for entry-level occupational training through work-based learning experience training laboratories. Credit is awarded on the basis of learning objectives completed and the number of hours the student trains. Students must create/complete new learning objectives each semester they enroll. Students may utilize their present work sites. See Cooperative Work Experience Education listing in the catalog page 235.

NEW COURSES

Reason	Course	Title	Units	Hours	Description	Transfer
New Course	ANTH 103LB	Archaeology Lab II	3.0	16 - 18 hours lecture and 96 - 108 hours laboratory	This course is the second of four courses designed as a laboratory class that complements the Archaeology Field Courses. The class introduces the students to laboratory work in archaeology, providing additional practical hands-on experience. Students learn to process the materials collected from the field class archaeology site, from cleaning and identification to their analysis.	CSU

Reason	Course	Title	Units	Hours	Description	Transfer
New Course	ANTH 103LC	Archaeology Lab III	3.0	16 – 18 hours lecture and 96 – 108 hours laboratory	This course is the third of four courses designed as a laboratory class that complements the Archaeology Field Courses. The class introduces the students to laboratory work in archaeology, providing additional practical hands-on experience. Students learn to process the materials collected from the field class archaeology site, from cleaning and identification to their analysis.	CSU
New Course	AUTO 51B	Advanced Engine Diagnosis and Repair	4.0	48 - 54 hours lecture and 48 - 54 hours laboratory	This course covers engine advanced diagnosis, maintenance and repair. All related to different engine designs, including gasoline and diesel engines, cooling and lubrication systems. Prerequisite AUTO 51A	
New Course	AUTO 51C	Advanced Engine Diagnosis and Replacement	4.0	48 - 54 hours lecture and 48 - 54 hours laboratory	This course covers engine advanced diagnosis, maintenance and replacement. All related to different engine designs, including gasoline and diesel engines, cooling and lubrication. Prerequisite AUTO 51B and AUTO 50	
New Course	AUTO 60.1	Automotive Suspension, Steering and Alignment	4.0	48 - 54 hours lecture and 48 - 54 hours laboratory	This course covers the components and principles of operation of steering and suspension systems used on automobiles and light trucks along with the diagnosis, repair and alignment procedures used for those vehicles. Prerequisite AUTO 50	

Reason	Course	Title	Units	Hours	Description	Transfer
New Course	AUTO 60.2	Advanced Alignment	4.0	48 - 54 hours lecture and 48 – 54 hours laboratory	This course covers the advanced diagnosis, adjustments and alignment of automotive steering systems using both analog and digital alignment equipment. Prerequisite AUTO 60.1	
New Course	AUTO 80.1	Automotive Electrical & Electronics I	4.0	48 - 54 hours lecture and 48 - 54 hours laboratory	This course covers the theory of electricity, use of meters and test equipment, use of wiring diagrams, diagnosis and repair of replacement of major electrical components of automotive and light trucks. Major areas of study include batteries, starting, charging and ignition systems as well as electrical accessories. This course will assist the student in preparing for the ASE A6 exam.	
New Course	AUTO 80.2	Automotive Electrical & Electronics II	4.0	48 – 54 hours lecture and 48 – 54 hours laboratory	This course covers electricity and electronics, the use of electrical test equipment, wiring diagrams, diagnosis and repair/replacement/diagnosis of major electrical components of automobiles. Prerequisite AUTO 80.1	
New Course	AVA 50B	Aircraft Metallic Fabrication	4.0	48 - 54 hours lecture and 48 - 54 hours laboratory	This course will provide students with the techniques and procedures necessary for fabricating metallic aircraft structures. Upon completion of this course students will have practical knowledge and skill sets in the following areas: Types of aircraft structures and applications, Setting up – using sheet metal shop equipment (box brakes – shears –slip formers etc), Reading and applying metal – composites blueprints, Sheet Metal Fabrication practices – Drilling operations, Aircraft Fastener installation – removal practices.	

Reason	Course	Title	Units	Hours	Description	Transfer
New Course	AVA 75	Composites 1 Introduction to Composites	4.0	48 - 54 hours lecture and 48 - 54 hours laboratory	Introduction into Advanced Aerospace Composite Manufacturing and Repair Processes. This introductory course instructs students how to understand the practical applications of composite materials. Prerequisite AVA 50B	
New Course	AVA 76	Composites 2 Advanced Composite Repair	4.0	48 - 54 hours lecture and 48 - 54 hours laboratory	This course will explore practices and techniques employed in advanced composite repair practices. This course covers how to make repairs to composite structures and adhesive bonding. Upon completion of Composite 2 students will have knowledge and skills in advanced composite repair practices and techniques. Prerequisite AVA 75	
New Course	AVA 77	Composites 3 Manufacturing Process for Advanced Composites	4.0	48 - 54 hours lecture and 48 - 54 hours laboratory	Composites 3 Manufacturing for Advanced Composites will explore techniques and applications applicable to manufacturing advanced composites including composite design criteria and in use applications, bonding techniques, composite tool making and machining advance composites.	
New Course	CMST 138	Cooperative Education Communication Studies	1.0 – 8.0		See Cooperative Work Experience Education description on page 3 in this addendum and the listing in the catalog on page 235.	CSU
New Course	CMST 188LB	Journalism Lab B	1.0 - 3.0		This laboratory only course focuses on intermediate writing and producing the school newspaper, RamPage, and its online version. Students will research, write, and edit articles for both publications. Students will also take photographs, design and/or layout pages, create graphic illustrations, and develop multimedia stories. Throughout this course, students will also apply media ethics and learn the fundamentals of media law. Leadership and management skills are also covered.	CSU

Reason	Course	Title	Units	Hours	Description	Transfer
New Course	CTMF 121D	Advanced Woodworking II	3.0	32 – 36 hours Lecture 48 – 54 hours laboratory	The second advanced course in fine wood working using techniques common to custom wood products, furniture making, and wood art. Complete advanced woodworking projects to learn the artisan's techniques for wood joining, carving, and finishing.	CSU
New Course	GEOG 138	Cooperative Education Geography	1.0 – 8.0		See Cooperative Work Experience Education description on page 3 in this addendum and the listing in the catalog on page 235.	CSU
New Course	LAW 100	Introduction to Law and Paralegal	3.0	48 – 54 Hours lecture	Introduction to Law. This course provides an overview of the American legal system including its development, structure and history. The course will review the legal and judicial process in the United States covering the adversarial system, jurisdiction of federal and state courts, and the general process of judicial review. Explanation of different sources of law including statutes, court cases and administrative agency rules. Review of basic legal reasoning and introductory research methods. Introduction to civil law, criminal law, family law, real property law, contracts, employment, immigration, intellectual property, and other areas of the law. Also included is a review of the principles of legal ethics. Review the paralegal profession and role of the paralegal in a variety of legal settings.	CSU
New Course	LAW 205	Mock Trial Advocacy	3.0	48 – 54 Hours lecture	This course requires students to participate in a mock trial. Students write trial briefs, create pre-trial discovery strategies, give oral arguments and examine witnesses in a simulated case.	CSU

Reason	Course	Title	Units	Hours	Description	Transfer
New Course	PAL 138	Cooperative Education Paralegal Studies	1.0 - 8.0		See Cooperative Work Experience Education description on page 3 in this addendum and the listing in the catalog on page 235.	CSU
New Course	PHIL 138	Cooperative Education Philosophy	1.0 - 8.0		See Cooperative Work Experience Education description on page 3 in this addendum and the listing in the catalog on page 235.	CSU
New Course	RLST 138	Cooperative Education Religious Studies	1.0 – 8.0		See Cooperative Work Experience Education description on page 3 in this addendum and the listing in the catalog on page 235.	CSU
New Course	WELD 72	Introduction to Pipe Welding	4.0	32 – 36 Hours Lecture 96 – 108 hours Laboratory	Develops introductory skills for pipe welding in the 1G and 2G positions without backing using the Shielded Metal Arc and Gas Tungsten Arc Welding processes.	
New Course	WELD 73	Intermediate Pipe Welding	4.0	32 – 36 Hours Lecture 96 – 108 hours Laboratory	Develops intermediate skills for pipe welding in the 5G uphill and downhill positions without backing using the Shielded Metal Arc and Gas Tungsten Arc welding processes.	
New Course	WELD 74	Advanced Pipe Welding	4.0	32 – 36 Hours Lecture 96 – 108 hours Laboratory	Develops advanced skills for pipe welding in the 6G position without backing using the Shield Metal Arc and Gas Tungsten Arc welding processes.	

UPDATED COURSES

Reason	Course	Title	Units	Hours	Description	Transfer
Course update Title and description change	ADPE 90	Hawaiian Dance	0		Instruction of basic steps of Hawaiian dance, arm movements, terminology, the usage of Hawaiian implements for routines to Hawaiian music. Enhances mental and physical skills and quality of life.	

NEW AND UPDATED CERTIFICATES

ARCHITECTURAL CADD TECHNICIAN 1 (UPDATED CERTIFICATE)

Units Required: 15		
COURSE	TITLE	UNITS
ENGD 103	Blueprint Reading for Construction	3
ENGD 110	Introduction to 2-D Autocad	3
ARCH 108	Architectural Presentation	3
ARCH 250	Introduction to REVIT for Architectural CAD	3
ARCH 140 OR	History of Architecture: Early Design through Gothic	3
ARCH 142	History of Architecture: Renaissance through Modern	3

AUTOMOTIVE TRANSMISSION SPECIALIST CERTIFICATE OF ACHIEVEMENT (NEW CERTIFICATE)

Units Required: 16 -18	<i>All of the following must be completed</i>	
COURSE	TITLE	UNITS
AUTO 50	Introduction to Automotive Technology	4.0
AUTO 55	Manual Transmission and Differential Overhaul	4 - 5
AUTO 56	Automatic Transmission and Overhaul	4 - 5
AUTO 56A	Transmission Computer Systems	2.0
AUTO 77.3	Automotive Workplace Professionalism	2.0

AUTOMOTIVE ALTERNATIVE PROPULSION CERTIFICATE OF ACHIEVEMENT (NEW CERTIFICATE)

Units Required: 24	<i>All of the following must be completed</i>	
COURSE	TITLE	UNITS
AUTO 50	Introduction to Automotive Technology	4.0
AUTO 77.3	Automotive Workplace Professionalism	2.0
AUTO 82	Automotive Electrical Repair	4.0
AUTO 89.3	Introduction to Hybrid, Electric Vehicle, and Alternate Propulsion Vehicle Tech	4.0
AUTO 89.4	Hybrid Vehicle Propulsion	3.0
AUTO 89.5	Electric Vehicle and Alternate Propulsion	3.0
AUTO 89.3	Advanced Hybrid, Electric Vehicle, and Alternate Propulsion Technology	4.0

AUTOMOTIVE BRAKE AND SUSPENSION SPECIALIST TECHNICIAN CERTIFICATE OF ACHIEVEMENT (NEW CERTIFICATE)

Units Required: 14	<i>All of the following must be completed</i>	
COURSE	TITLE	UNITS
AUTO 50	Introduction to Automotive Technology	4.0
AUTO 60	Automotive Suspension and Alignment	4.0
AUTO 61	Automotive Brakes	4.0
AUTO 77.3	Automotive Workplace Professionalism	2.0

AUTOMOTIVE SERVICE ADVISOR AND MANAGER CERTIFICATE OF ACHIEVEMENT (NEW CERTIFICATE)

Units Required: 18	<i>All of the following must be completed</i>	
COURSE	TITLE	UNITS
AUTO 50	Introduction to Automotive Technology	4.0
AUTO 77	Automotive Service Writing and Shop Management	3.0
AUTO 77.1	Automotive Leadership and Team Building	3.0
AUTO 77.2	Automotive Safety Training for Managers	3.0
AUTO 77.3	Automotive Workplace Professionalism	2.0
AUTO 77L	Automotive Service Writing and Shop Manager Laboratory	2.0
BET 101	Beginning Keyboarding/Typing	1.0

AUTOMOTIVE DETAILER AND PORTER CERTIFICATE OF ACHIEVEMENT (NEW CERTIFICATE)

Units Required: 12	<i>All of the following must be completed</i>	
COURSE	TITLE	UNITS
AUTO 50	Introduction to Automotive Technology	4.0
AUTO 58	Automotive Lubrication Technician	2.0
AUTO 62	Automotive Detailing	4.0
AUTO 77.3	Automotive Workplace Professionalism	2.0

LIGHT DUTY DIESEL TECHNICIAN CERTIFICATE OF ACHEIVEMENT (NEW CERTIFICATE)

Units Required: 22	<i>All of the following must be completed</i>	
COURSE	TITLE	UNITS
AUTO 50	Introduction to Automotive Technology	4.0
AUTO 77.3	Automotive Workplace Professionalism	2.0
AUTO 99.1	Light Duty Diesel Systems 1	4.0
AUTO 99.2	Light Duty Diesel Systems 2	4.0
AUTO 99.3	Light Duty Diesel Systems 3	4.0
AUTO 99.4	Light Duty Diesel Systems 4	4.0

COMPOSITE AEROSPACE MANUFACTURING (NEW CERTIFICATE)

Units Required: 21.5	<i>All of the following must be completed</i>	
COURSE	TITLE	UNITS
AVA 50	Aviation Technology Survey	4.0
AVA 50B	Aircraft Metallic Fabrication	4.0
AVA 75	Composites 1 Introduction to Composites	4.0
AVA 76	Composites 2 Advanced Composite Repair	3.5
AVA 77	Composites 3 Manufacturing Process for Advanced Composites	6

DRAFTING TECHNICIAN I (UPDATED CERTIFICATE)

Units Required: 15 -17		
COURSE	TITLE	UNITS
ENGD 101	Introduction to Drafting	3.0
ENGD 103	Blueprint Reading for Construction	3.0
CT 105	Technical Sketching	3.0
CT 107	Technical Mathematics or	3.0
MATH 90	Intermediate Algebra	4.0
CT 108	Advanced Technical Math or	3.0
MATH 104	Trigonometry	4.0

PATHWAY TO LAW (NEW CERTIFICATE)

Units Required: 24-30		
COURSE	TITLE	UNITS
Complete 1 of the following		
PAL 100	Introduction to Paralegal Studies	3.0
LAW 100	Introduction to Law and Paralegal Studies	3.0
Complete 1 of the following		
ENGL 101	English Composition and Reading	4.0
ENGL 101H	Honors Composition and Reading	4.0
Complete 1 of the following		
CMST 104	Argumentation and Oral Debate	3.0
CMST 109	Public Speaking	3.0

Complete 1 of the following		
PHIL 109	Introduction to Logic	3.0
ENGL 104	Critical Thinking & Composition	3.0
ENGL 104H	Honors Critical Thinking & Composition	3.0
RLST 207	Introduction to Critical Thinking	3.0
PHIL 207	Introduction to Critical Thinking	3.0
Complete 1 of the following		
MATH 120	Introduction to Statistics	4.0
MATH 120S	Introduction to Statistics with Skills Support	5.0
MATH 120H	Honors Introduction to Statistics	4.0
PSYC 215	Introduction to Statistics in Social and Behavioral Sciences	3.0
Complete 1 of the following		
HIST 117	History of the United States to 1876	3.0
HIST 117H	Honors History of the United States to 1876	3.0
HIST 118	History of U.S. From 1876	3.0
HIST118H	Honors History of the United States From 1876	3.0
HIST155	Women in U.S. History	3.0
Complete 1 of the Following		
POLS102	Introduction to American Government and Politics	3.0
POLS102H	Honors American Government and Politics	3.0
Take the following		
GUID 50	College Success	1.0
POLS 138	Cooperative Education Political Science	1.0-8.0

INTERSEGMENTAL GENERAL EDUCATION TRANSFER CURRICULUM (IGETC) (NEW CERTIFICATE)		
Units Required: 37-44		
COURSE	TITLE	UNITS
Area 1 – English Communication		
CSU: Three courses required, one from Group 1a, one from Group 1B, and one from Group 1C. UC: Two courses required, one from Group 1A and one from Group 1B		
Group 1A: English Composition		Units
ENGL 101	English Composition and Reading	4.0
ENGL 101H	Honors Composition and Reading	4.0
Course from another institution		
Group 1B: Critical Thinking and English Composition		Units
Choose one courses, 3 semester units minimum.		
ENGL 104	Critical Thinking & Composition	3.0
ENGL 104H	Honors Critical Thinking & Composition	3.0
PHIL 207	Introduction to Critical Thinking	3.0
RLST 207	Introduction to Critical Thinking	3.0
Course from another institution		

Group 1C: Oral Communication		Units
CSU requirement only, Choose one courses, 3 semester units		
CMST 106	Interpersonal Communication	3.0
CMST 108	Group Discussion	3.0
CMST 109	Public Speaking	3.0
Course from another institution		
AREA 2 – Mathematical Concepts and Quantitative Reasoning		Units
Chose one course, 3 semester units minimum.		
MATH 105	College Algebra	4.0
MATH 105H	Honors College Algebra	4.0
MATH 116	Preparation for Calculus	3.0
MATH 120	Introduction to Statistics	4.0
MATH 120H	Honors Introduction to Statistics	4.0
MATH 132	The Ideas of Math	3.0
MATH 226	Analytic Geometry and Calculus I	4.0
MATH 226H	Honors Analytic Geometry and Calculus I	4.0
MATH 227	Analytic Geometry and Calculus II	4.0
MATH 227H	Honors Analytic Geometry and Calculus II	4.0
MATH 228	Analytic Geometry and Calculus III	4.0
MATH 228H	Honors Analytic Geometry and Calculus III	4.0
MATH 231	Linear Algebra	3.0
MATH 270	Differential Equations	3.0
PSYC 215	Introduction to Statistics in Social and Behavioral Sciences	3.0
Course from another institution		
AREA 3 – Arts and Humanities		
Three courses required, with at least one from Group 3A and one from Group 3B, 9 semester units minimum		
Group 3A: ARTS		Units
ART 101	Survey of Art History	3.0
ART 102	Survey of Art History	3.0
ART 104	Film As an Art Form	3.0
ART 105	Introduction to Art	3.0
ART 106	Art Concepts	3.0
ART 107	Art and Life of Greece	3.0
ART 108	Art and Life of Italy	3.0
ART 109	Survey of African American Art	3.0
ENGL 116	Authors of the Theatre	3.0
KIN 103	History and Appreciation of Dance	3.0
MUSC 100	Introduction to Music	3.0
MUSC 101	Fundamentals of Music	3.0
MUSC 102	Music Theory I	3.0
MUSC 103	Music Theory II	3.0
MUSC 116	Music in America	3.0
MUSC 117	History of Jazz	3.0
MUSC 118	Survey of Rock and Roll	3.0
MUSC 202	Intermediate Theory-Chromatic Practice I	3.0

TA 101	Introduction to Theatre	3.0
TA 102	History of Theatre	3.0
TA 116	Authors of Theatre	3.0
Course from another institution.		
GROUP 3B: HUMANITIES		Units
ANTH 106	Introduction to Linguistic Anthropology	3.0
ASL 124	American Sign Language III	4.0
ASL 125	American Sign Language IV	4.0
CMST 105	Intercultural Communication	3.0
ENGL 102	Composition and Literature	3.0
ENGL 102H	Honors Composition and Literature	3.0
ENGL 220	Modern Fiction	3.0
ENGL 225	Poetry	3.0
ENGL 230	Survey of American Literature 1600-1865	3.0
ENGL 231	Survey of American Literature 1865 to Present	3.0
ENGL 232	Chicano/a and Latino/a Literature	3.0
ENGL 233	African-American Literature	3.0
ENGL 234	Native American Literature	3.0
ENGL 240	World Literature Ancient-Early Renaissance	3.0
ENGL 241	World Literature Renaissance-Modern	3.0
ENGL 245	Survey of British Literature Early Medieval-Neoclassics	3.0
ENGL 246	Survey of British Literature Romantics-20th Century	3.0
ENGL 247	Shakespeare	3.0
FREN 103	Intermediate French	3.0
FREN 104	Intermediate French	3.0
HIST 103	World History to 1500	3.0
HIST 104	World History Since 1500	3.0
HIST 117	History of United States to 1876	3.0
HIST 117H	Honors History of United States to 1876	3.0
HIST 118	History of U.S. From 1876	3.0
HIST 118H	Honors History of the United States From 1876	3.0
HIST 130	Latin American History to 1822	3.0
HIST 131	Latin American History From 1822	3.0
HIST 155	Women in U.S. History	3.0
PHIL 101	Introduction to Philosophy	3.0
PHIL 108	Introduction to Ethics and Contemporary Moral Issues	3.0
PHIL 114	Political Philosophy	3.0
PHIL 117	Philosophy of Religion	3.0
PHIL 120	History of Ancient Philosophy	3.0
PHIL 121	History of Modern Philosophy	3.0
POLS 114	Political Philosophy	3.0
RLST 101	Introduction to Religious Studies	3.0
RLST 105	Religion of the Old Testament, Hebrew Scriptures, and Ancient Near East	3.0
RLST 106	Introduction to the New Testament and Early Christian Literature	3.0
RLST 110	Religions of the Middle East & the West	3.0
RLST 111	Religions of South and East Asia	3.0

RLST 115	Religion in America	3.0
RLST 117	Philosophy of Religion	3.0
SPAN 103	Intermediate Spanish	3.0
SPAN 104	Intermediate Spanish	3.0
Course from another institution.		
ASL, FREN, and SPAN courses in Area 3B may be used to clear the LOTE Area without need to take another course.		
GROUP 3:		Units
One additional course from any of the above courses listed under Group 3A or Group 3B.		3.0
AREA 4 - SOCIAL AND BEHAVIORAL SCIENCES		
Choose three courses from at least two different disciplines, 9 semester units minimum		Units
AGNR 175	Sustainable Agriculture, Environment and Society	3.0
ANTH 101	Introduction to Physical Anthropology	3.0
ANTH 102	Introduction to Cultural Anthropology	3.0
ANTH 103	Introduction to Archaeology	3.0
ANTH 106	Introduction to Linguistic Anthropology	3.0
CHDV 106	Child, Family, and Community	3.0
CMST 105	Intercultural Communication	3.0
ECON 101	Principles of Economics: Macro	3.0
ECON 102	Principles of Economics: Micro	3.0
GEOG 102	Introduction to Cultural Geography	3.0
GEOG 104	World Regional Geography	3.0
HIST 103	World History to 1500	3.0
HIST 104	World History Since 1500	3.0
HIST 115	History of California	3.0
HIST 117	History of United States to 1876	3.0
HIST 117H	Honors US History to 1876	3.0
HIST 118	History of U.S. From 1876	3.0
HIST 118H	Honors History of the United States From 1876	3.0
HIST 130	Latin American History to 1822	3.0
HIST 131	Latin American History From 1822	3.0
HIST 155	Women in U.S. History	3.0
PHIL 114	Political Philosophy	3.0
POLS 101	Introduction to Political Science	3.0
POLS 102	Introduction to American Government and Politics	3.0
POLS 102H	Honors American Government and Politics	3.0
POLS 110	Contemporary World Affairs	3.0
POLS 112	Comparative Government	3.0
POLS 113	Politics of Middle East & North Africa	3.0
POLS 114	Political Philosophy	3.0
POLS 206	Introduction to Environmental Policy and Natural Resource Management	3.0
POLS 211	Global Issues	3.0
PSYC 101	Introductory Psychology	3.0
PSYC 110	Developmental Psychology	3.0
PSYC 111	Introduction to Child Psychology	3.0
PSYC 121	Human Sexuality and Intimacy	3.0

PSYC 204	Social Psychology	3.0
PSYC 213	Abnormal Psychology	3.0
RLST 113	Religion and Society	3.0
RLST 115	Religion in America	3.0
SOC 101	Intro to Sociology	3.0
SOC 102	American Social Problems	3.0
SOC 107	Ethnic Experience in American Society	3.0

Course from another institution.

NOTE: No credit for PSYC 110 if taken after PSYC 111

AREA 5 - PHYSICAL AND BIOLOGICAL SCIENCES

One course from Group 5A and one from Group 5B, 7 semester units minimum. At least one course must include a laboratory.

Group 5A: PHYSICAL SCIENCES		Units
AGNR 170	AGNR170	4.0
ASTR 101	Descriptive Astronomy	3.0
CHEM 100	Introductory Chemistry	4.0
CHEM 201	General Chemistry	5.0
CHEM 202	General Chemistry	5.0
CHEM 206	Introductory Chemistry II: Organic Chemistry	4.0
CHEM 207	Introductory Chemistry III: Biochemistry	4.0
CHEM 281	Organic Chemistry I	4.0
CHEM 282	Organic Chemistry II	4.0
GEOG 101	Introduction to Physical Geography	3.0
GEOG 101L	Geography 1 Laboratory	1.0
GEOL 101	Physical Geology	4.0
OCEA 101	Oceanography	3.0
PSCI 101	Principles of Physical Science	3.0
PHYS 100	Introductory Physics	4.0
PHYS 201	Engineering Physics I - 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 221	General Physics I	4.0
PHYS 222	General Physics II	4.0

Course from another institution.

NOTE: No credit for CHEM 100 if taken after CHEM 201. No credit for PSCI 101 if taken after a college course in astronomy, chemistry, geology, meteorology, oceanography or physics. No credit for PHYS 100 if taken after PHYS 201 or 221. PHYS 221, 222 (General series) and 201, 202, 203, 204 (Engineering series) combined: maximum credit, one series.

Group 5B: BIOLOGICAL SCIENCES		Units
ANTH 101	Introduction to Physical Anthropology	3.0
ANTH 101L	Physical Anthropology Laboratory	1.0
BIOL 100	General Biology	4.0
BIOL 118	Principles of Heredity	3.0
BIOL 201	Biology of Cells	5.0
BIOL 202	Biology of Organisms	5.0

BIOL 211	Human Anatomy	5.0
BIOL 221	General Microbiology	5.0
BIOL 231	Human Physiology	5.0
Course from another institution.		
NOTE: No credit for BIOL 100 if taken after BIOL 201 or 202.		
Group 5C: LABORATORY ACTIVITY Any science course in Group 5A or Group 5B which includes lab fulfills this requirement.		
LANGUAGE OTHER THAN ENGLISH		
UC Requirement for IGETC Certification. May be fulfilled in one of the following ways:		
1. Complete one of the following Victor Valley College foreign language courses or equivalent course at another college: OR		
		Units
ASL 122	American Sign Language I	4.0
ASL 123	American Sign Language II	4.0
ASL 124	American Sign Language III	4.0
ASL 125	American Sign Language IV	4.0
FREN 101	Elementary French	5.0
FREN 102	Elementary French	5.0
FREN 103	Intermediate French	3.0
FREN 104	Intermediate French	3.0
SPAN 101	Elementary Spanish	5.0
SPAN 101A	Fundamentals of Spanish 101A	3.0
SPAN 101B	Fundamentals of Spanish 101B	3.0
SPAN 102	Elementary Spanish	5.0
SPAN 103	Intermediate Spanish	3.0
SPAN 104	Intermediate Spanish	3.0
Course from another institution.		
2. Complete 2 years of the same foreign language in high school with a grade of "C" or better. Submit official high school transcript to VVC Admissions and Records Office. OR		
3. Complete two years of formal schooling at the 6th grade level or above at an institution where English is not the language of instruction. Submit official translation of transcripts to VVC Admissions and Records Office. OR		
4. Score of 3 or higher on Foreign Language Advanced Placement test, or a score of 550 or higher on the College Board Achievement Test in Foreign Language. Submit official transcript to VVC Admissions and Records Office		
U.S. HISTORY, CONSTITUTION AND AMERICAN IDEALS CSU Graduation Requirement Only. Not a part of certification of IGETC, but highly recommended to be completed prior to transfer. One course from Group 1 and one course from Group 2, 6 semester units minimum.		
		Units
Group 1:		
POLS 102	Introduction to American Government and Politics	3.0
POLS 102H	Honors American Government and Politics	3.0
Course from another institution.		
Group 2:		
HIST117	History of United States to 1876	3.0
HIST117H	Honors US History to 1876	3.0
HIST118	History of U.S. From 1876	3.0
HIST118H	Honors History of the United States From 1876	3.0
HIST155	Women in U.S. History	3.0
Course from another institution.		

NOTE: At the discretion of each CSU campus, courses used to meet the US History, Constitution, and American Ideals requirements may simultaneously count toward fulfilling requirements in Areas 3 or Area 4 of IGETC.

Except as noted, a course may not be used to fulfill more than one requirement even though it may be listed in more than one area. Cross-listed courses are the same courses listed under different departments. ENGL 116 = TA 116, PHIL 114 = POLS 114, PHIL 117 = RLST 117, PHIL 207 = RLST 207.

CERTIFICATION: For full or partial IGETC Certification, complete the CSU and UC General Education Certification form in Counseling or in the Transfer Center.

California State University (CSU) General Education (GE) Requirements (New Certificate)

Units Required: 39-44		
COURSE	TITLE	UNITS
Area A. COMMUNICATION IN THE ENGLISH LANGUAGE AND CRITICAL THINKING Minimum 9 semester units. Choose one course from each Area 1-3. All Area A courses must be completed with a "C" grade or better.		
A1 - Oral Communication		Units
CMST106	Interpersonal Communication	3.0
CMST107	Honors Composition and Reading	3.0
CMST108	Group Discussion	3.0
CMST109	Public Speaking	3.0
Course from another institution		
A2 - WRITTEN COMMUNICATION		Units
ENGL 101	English Composition and Reading	4.0
ENGL 101H	Honors Critical Thinking & Composition	4.0
Course from another institution		
A3 - CRITICAL THINKING		Units
ENGL 104	Critical Thinking & Composition	3.0
ENGL 104H	Honors Critical Thinking and Composition	3.0
PHIL 109	Introduction to Logic	3.0
PHIL 207	Introduction to Critical Thinking	3.0
RLST 207	Introduction to Critical Thinking	3.0
Course from another institution		
Area B: SCIENTIFIC INQUIRY AND QUANTITATIVE REASONING Minimum 9 semester units. Choose one course from Area B1 Physical Sciences (min. 3 units), one course from Area B2 Life Sciences (min. 3 units), and one course from Area B4 Mathematics. At least one science course must include a laboratory to fulfill Area B3 Laboratory Activity.		
B1 – Physical Science		Units
AGNR 170	Environmental Science and Sustainability	4.0
ASTR 101	Descriptive Astronomy	3.0
CHEM 100	Introductory Chemistry	4.0
CHEM 201	General Chemistry	5.0
CHEM 202	General Chemistry	5.0
CHEM 206	Introductory Chemistry II: Organic Chemistry	4.0
CHEM 207	Introductory Chemistry III: Biochemistry	4.0
CHEM 281	Organic Chemistry I	4.0
CHEM 282	Organic Chemistry II	4.0
GEOG 101	Introduction to Physical Geography	3.0
GEOG 101L	Geography 1 Laboratory	1.0

GEOG 130	Introduction to Weather and Climate	4.0
GEOL 101	Physical Geology	4.0
OCEA 101	Oceanography	3.0
PSCI 101	Principles of Physical Science	3.0
PHYS 100	Introductory Physics	4.0
PHYS 201	Engineering Physics I - 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 221	General Physics I	4.0
PHYS 222	General Physics II	4.0
Course from another institution		
B1 – Life Science		Units
AGNR 123	Introduction to Plant Science	3.0
ANTH 101	Introduction to Physical Anthropology	3.0
ANTH 101L	Physical Anthropology Laboratory	1.0
BIOL 100	General Biology	4.0
BIOL 107	Introduction to Human Biology	4.0
BIOL 118	Principles of Heredity	3.0
BIOL 201	Biology of Cells	5.0
BIOL 202	Biology of Organisms	5.0
BIOL 203	Population and Environmental Biology	4.0
BIOL 210	Biology of Plants	5.0
BIOL 211	Human Anatomy	5.0
BIOL 221	General Microbiology	5.0
BIOL 231	Human Physiology	5.0
PSYC 109	Biopsychology	3.0
Course from another institution.		
B3 - LABORATORY ACTIVITY		
Any science course in Area B1 or Area B2 which includes a lab fulfills this requirement.		
B4 - MATHEMATICS		Units
The course used to fulfill B4 must be completed with a "C" grade or better.		
MATH 104	Trigonometry	4.0
MATH 105	College Algebra	4.0
MATH 105H	Honors College Algebra	4.0
MATH 116	Preparation for Calculus	3.0
MATH 120	Introduction to Statistics	4.0
MATH 120H	Honors Introduction to Statistics	4.0
MATH 132	The Ideas of Math	3.0
MATH 226	Analytic Geometry and Calculus I	4.0
MATH 226H	Honors Analytic Geometry and Calculus I	4.0
MATH 227	Analytic Geometry and Calculus II	4.0
MATH 227H	Honors Analytic Geometry and Calculus II	4.0
MATH 228	Analytic Geometry and Calculus III	5.0
MATH 228H	Honors Analytic Geometry and Calculus III	5.0
MATH 231	Linear Algebra	3.0

MATH 270	Differential Equations	3.0
PSYC 215	Introduction to Statistics in Social and Behavioral Sciences	3.0
Course from another institution.		
Area C. ARTS AND HUMANITIES		
Minimum 9 semester units. Choose at least one course from Area C1 Arts and one course from Area C2 Humanities.		
C1 – ARTS		Units
ART 101	Survey of Art History	3.0
ART 102	Survey of Art History	3.0
ART 104	Film As an Art Form	3.0
ART 105	Introduction to Art	3.0
ART 106	Art Concepts	3.0
ART 107	Art and Life of Greece	3.0
ART 108	Art and Life of Italy	3.0
ART 109	Survey of African American Art	3.0
ART 112	Design I	3.0
ART 113	Design II	3.0
ART 114	Color Theory	3.0
ART 120	Acrylic Painting I	3.0
ART 122	Life Drawing I	3.0
ART 125	Drawing I	3.0
ART 150	Oil Painting I	3.0
CART 133	Digital Imaging	3.0
ENGL 116	Authors of the Theatre	3.0
KIN 103	History and Appreciation of Dance	3.0
MUSC 100	Introduction to Music	3.0
MUSC 101	Fundamentals of Music	3.0
MUSC 102	Music Theory I	3.0
MUSC 103	Music Theory II	3.0
MUSC 116	Music in America	3.0
MUSC 117	History of Jazz	3.0
MUSC 118	Survey of Rock and Roll	3.0
MUSC 202	Intermediate Theory-Chromatic Practice I	3.0
TA 101	Introduction to Theatre	3.0
TA 102	History of Theatre	3.0
TA 107	Intermediate Acting	3.0
TA 110	Principles of Design for Theatre	3.0
TA 116	Authors of Theatre	3.0
Course from another institution.		
C2 – HUMANITIES		Units
ANTH 106	Introduction to Linguistic Anthropology	3.0
CMST 105	Intercultural Communication	3.0
ENGL 102	Composition and Literature	3.0
ENGL 102H	Honors Composition and Literature	3.0
ENGL 109	Creative Writing	3.0
ENGL 116	Authors of the Theatre	3.0

ENGL 220	Modern Fiction	3.0
ENGL 225	Poetry	3.0
ENGL 230	Survey of American Literature 1600-1865	3.0
ENGL 231	Survey of American Literature 1865 to Present	3.0
ENGL 232	Chicano/a and Latino/a Literature	3.0
ENGL 233	African-American Literature	3.0
ENGL 234	Native American Literature	3.0
ENGL 235	Children's Literature	3.0
ENGL 240	World Literature Ancient-Early Renaissance	3.0
ENGL 241	World Literature Renaissance-Modern	3.0
ENGL 245	Survey of British Literature Early Medieval-Neoclassics	3.0
ENGL 246	Survey of British Literature Romantics-20th Century	3.0
ENGL 247	Shakespeare	3.0
HIST 103	World History to 1500	3.0
HIST 104	World History Since 1500	3.0
HIST 115	History of California	3.0
HIST 117	History of United States to 1876	3.0
HIST 117H	Honors US History to 1876	3.0
HIST 118	History of U.S. From 1876	3.0
HIST 118H	Honors History of the United States From 1876	3.0
HIST 130	Latin American History to 1822	3.0
HIST 131	Latin American History From 1822	3.0
HIST 155	Women in U.S. History	3.0
PHIL 101	Introduction to Philosophy	3.0
PHIL 108	Introduction to Ethics and Contemporary Moral Issues	3.0
PHIL 114	Political Philosophy	3.0
PHIL 117	Philosophy of Religion	3.0
PHIL 120	History of Ancient Philosophy	3.0
PHIL 121	History of Modern Philosophy	3.0
POLS 114	Political Philosophy	3.0
RLST 101	Introduction to Religious Studies	3.0
RLST 105	Religion of the Old Testament, Hebrew Scriptures, and Ancient Near East	3.0
RLST 106	Introduction to the New Testament and Early Christian Literature	3.0
RLST 110	Religions of the Middle East & the West	3.0
RLST 111	Religions of South and East Asia	3.0
RLST 115	Religion in America	3.0
RLST 117	Philosophy of Religion	3.0
TA 116	Authors of Theatre	3.0
ASL 122	American Sign Language I	4.0
ASL 123	American Sign Language II	4.0
ASL 124	American Sign Language III	4.0
ASL 125	American Sign Language IV	4.0
FREN 101	Elementary French	5.0
FREN 102	Elementary French	5.0
FREN 103	Intermediate French	3.0

FREN 104	Intermediate French	3.0
SPAN 101	Elementary Spanish	5.0
SPAN 101A	Fundamentals of Spanish 101A	3.0
SPAN 101B	Fundamentals of Spanish 101B	3.0
SPAN 102	Elementary Spanish	5.0
SPAN 103	Intermediate Spanish	3.0
SPAN 104	Intermediate Spanish	3.0
TA 104	Oral Interpretation of Literature	3.0
Course from another institution.		
C. Select an additional course from Area C1 Arts or Area C2 Humanities.		Units
May use course from another institution.		3
AREA D.		
SOCIAL SCIENCES Minimum 9 semester units. Choose courses from at least TWO different subject areas in Area D.		
D – SOCIAL SCIENCES		Units
AGNR 175	Sustainable Agriculture, Environment and Society	3.0
AGNR 178	Agriculture Economics	3.0
CJ 101	Introduction to Criminal Justice	3.0
ANTH 101	Introduction to Physical Anthropology	3.0
ANTH 102	Introduction to Cultural Anthropology	3.0
ANTH 103	Introduction to Archaeology	3.0
ANTH 106	Introduction to Linguistic Anthropology	3.0
CHDV 100	Child Growth & Development	3.0
CHDV 106	Child, Family, and Community	3.0
CMST105	Intercultural Communication	3.0
ECON101	Principles of Economics: Macro	3.0
ECON102	Principles of Economics: Micro	3.0
ENGL234	Native American Literature	3.0
GEOG101	Introduction to Physical Geography	3.0
GEOG102	Introduction to Cultural Geography	3.0
GEOG103	Geography of California	3.0
GEOG104	World Regional Geography	3.0
HIST103	World History to 1500	3.0
HIST104	World History Since 1500	3.0
HIST115	History of California	3.0
HIST117	History of United States to 1876	3.0
HIST117H	Honors US History to 1876	3.0
HIST118	History of U.S. From 1876	3.0
HIST118H	Honors History of the United States From 1876	3.0
HIST130	Latin American History to 1822	3.0
HIST131	Latin American History From 1822	3.0
HIST155	Women in U.S. History	3.0
PHIL114	Political Philosophy	3.0
POLS101	Introduction to Political Science	3.0
POLS102	Introduction to American Government and Politics	3.0
POLS102H	Honors American Government and Politics	3.0

POLS103	American State and Local Government	3.0
POLS104	Introduction to Global Studies	3.0
POLS110	Contemporary World Affairs	3.0
POLS112	Comparative Government	3.0
POLS113	Politics of Middle East & North Africa	3.0
POLS114	Political Philosophy	3.0
POLS206	Introduction to Environmental Policy and Natural Resource Management	3.0
POLS211	Global Issues	3.0
PSYC101	Introductory Psychology	3.0
PSYC110	Developmental Psychology	3.0
PSYC111	Introduction to Child Psychology	3.0
PSYC121	Human Sexuality and Intimacy	3.0
PSYC204	Social Psychology	3.0
PSYC213	Abnormal Psychology	3.0
RLST113	Religion and Society	3.0
RLST115	Religion in America	3.0
SOC101	Intro to Sociology	3.0
SOC102	American Social Problems	3.0
SOC103	Marriage & Family Life	3.0
SOC107	Ethnic Experience in American Society	3.0

Course from another institution.

NOTE: Students may use any 9 semester units from this section to fulfill certification requirements for Area D, but they are encouraged to complete the U.S. History, Constitution and American Ideals requirements as part of Area D. All CSU campuses, except Chico State, permit these courses to also satisfy Area D requirement.

AREA E. LIFELONG LEARNING AND SELF-DEVELOPMENT

Minimum 3 semester units.		Units
ALDH 125	Medical Aspects of Drugs and Alcohol	3.0
CHDV 100	Child Growth & Development	3.0
GUID 101	First Year Experience	3.0
GUID 105	Personal & Career Success	3.0
GUID 107	Learning Strategies and Study Skills	3.0
HLTH 102	Contemporary Problems in Personal and Community Health	3.0
KIN 104	Psychology of Physical Performance	3.0
KIN 150	Lifetime Physical Fitness Concepts	2.0
APE 160A	Introduction to Adapted Physical Exercise	1.0
APE 160B	Intermediate Adapted Physical Exercise	1.0
APE 160C	Advanced Adapted Physical Exercise	1.0
KIN 160	Physical Fitness	1.0
KIN 161	Body Building and Conditioning	1.0
KIN 162	Weight Training I	1.0
KIN 163	Weight Lifting II	1.0
KIN 164	Aerobic Weight Training	1.0
KIN 181	Introduction to Golf	1.0
KIN 185C	Defensive Football Techniques	1.0
KIN 186B	Aqua Jogging	1.0

Course from another institution.

NOTE: Students may use any 9 semester units from this section to fulfill certification requirements for Area D, but they are encouraged to complete the U.S. History, Constitution and American Ideals requirements as part of Area D. All CSU campuses, except Chico State, permit these courses to also satisfy Area D requirement.

California State University requirements

U.S. History		Units
HIST 117	History of United States to 1876	3.0
HIST 117H	Honors US History to 1876	3.0
HIST 118	History of U.S. From 1876	3.0
HIST 118H	Honors History of the United States From 1876	3.0
HIST 155	Women in U.S. History	3.0
Constitution and American Ideals		Units
POLS102	Introduction to American Government and Politics	3.0
POLS102H	Honors American Government and Politics	3.0

NOTE: Courses used to meet the US History, Constitution, and American Ideals requirements may simultaneously count toward fulfilling requirements in Area C or Area D

Except as noted, a course may not be used to fulfill more than one requirement even though it may be listed in more than one area. Cross-listed courses are the same courses listed under different departments. ENGL 116 = TA 116, PHIL 114 = POLS 114, PHIL 117 = RLST 117, PHIL 207 = RLST 207.

CERTIFICATION: For full or partial CSU GE Certification, complete the CSU and UC General Education Certification form in Counseling or in the Transfer Center.

NEW AND UPDATED DEGREES

BUSINESS A.S.

Students may earn an Associate in Science degree with a major in Business by completing a minimum of 18 units from any blend of courses offered in the departments of Business Administration, Business Education Technologies, and Business Real Estate and Escrow or from any courses offered for a certificate in those programs or from any listed below.

Units Required: 18		
COURSE	TITLE	UNITS
ALDH 80	Pharmacology	3.0
ALDH 81	Medical Insurance	3.0
ALDH 82	Medical Office Procedures	4.0
ALDH 139	Medical Terminology	3.0
CIS 101	Computer Literacy	4.0
ECON 101	Principles of Economics: Macro	3.0
ECON 102	Principles of Economics: Micro	3.0
MATH 105	College Algebra	4.0
MATH 120	Introduction to Statistics	4.0

Any Business Administration course except BADM 138

Any Business Education Technology course except BET 138

Any Business Real Estate course except BRE 138

MUSIC AA-T

Program Requirements: 24-25 units

COURSE	TITLE	UNITS
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Required Courses (20-21 units)

MUSC 102	Music Theory I	3.0
MUSC 103	Music Theory II	3.0
MUSC 202	Intermediate Theory – Chromatic Practice I	3.0
MUSC 104	Basic Musicianship Level I	1.0
MUSC 105	Basic Musicianship Level II	1.0
MUSC 204	Intermediate Musicianship I	1.0

Applied Music

MUSC 120A	Applied Music Studies I	1.0
MUSC 120B	Applied Music Studies I	1.0
MUSC 220A	Applied Music Studies I	1.0
MUSC 220B	Applied Music Studies I	1.0
Major Ensemble (Select 4)		
MUSC 125	Guitar Ensemble	1.0
MUSC 131	College Singers	2.0
MUSC 132	Mater Arts Chorale	1.0
MUSC 136	Symphonic Band	1.0
MUSC 139	Studio Jazz Band	1.0
MUSC 145	College Symphony Orchestra	1.0

Additional Required Courses

List A – Select two (4 units)

MUSC 203	Intermediate Theory – Chromatic Practice II	3.0
MUSC 205	Intermediate Musicianship II	1.0

Requirements for the AA-T in Music 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.adgreewithaguarantee.com, www.sb1440.org, and www.calstate.edu

PSYCHOLOGY, AA-T (33026)

Units Required: 19		
COURSE	TITLE	UNITS
Required Courses (10 Units)		
PSYC 215*	Introduction to Statistics for Behavioral Sciences	3.0
PSYC 101	Introduction to Psychology	3.0
PSYC 217	Introduction to Research Methods of Psychology	4.0
Additional Courses		
List A - (3 units total)		
PSYC 109	Biopsychology	3.0
List B - Select One (3 units)		
PSYC 110	Developmental Psychology	3.0
PSYC 111	Introduction to Child Psychology	3.0
List C – Select One (3 units)		
PSYC 204	Social Psychology	3.0
PSYC 133	Introduction to Substance Abuse Studies	3.0
PSYC 108	Family Dynamics of Addiction & Abuse	3.0
PSYC 125	Introduction to Counseling	3.0
PSYC 121	Human Sexuality and Intimacy	3.0
PSYC 213	Abnormal Psychology	3.0
SOC 101	Introduction to Sociology	3.0

*PSYC 215 (For Students who completed MATH 120, please meet with a counselor.)

Requirements for the AA-T in Psychology 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.adgreewithaguarantee.com, www.sb1400.org, and www.calstate.edu.