

Class No	Component	Start/End Time	Days	Instructor	Room
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Accounting

ACCTG 001- Introductory Accounting I (UC/CSU) - 5 Units

The course covers the accounting information system, including recording and reporting of business transactions with a focus on the accounting cycle, the application of generally accepted accounting principles, the financial statements, and statement analysis.

12155	LEC	8:00 am - 12:25 pm	MTWTh	STAFF, L	C4-208
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Administration Of Justice

ADM JUS 001- Introduction To Administration Of Justice (UC/CSU) - 3 Units

Requirement Designation: Meets IGETC 4H CSU D8

Philosophy, history, and theories of the criminal justice system, including the roles and functions of the local, state, and federal jurisdictions. Theories, functions, and interrelationships among criminal justice agencies; law enforcement, courts, and corrections; crime causation, correctional theory, analysis and the social impact of crime. The conceptual approach utilized in this course recognizes that criminal justice is itself a distinct academic discipline rather than an interdisciplinary course of study.

12158	LEC	10:30 hrs/wk	TBA	STAFF, L	ON LINE
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American Sign Language

A S L 001- American Sign Language I (UC/CSU) - 4 Units

Requirement Designation: Meets IGETC 6A CSU C2

American Sign Language I

10005	LEC	9:40 am - 12:40 pm	MTWThF	Velez, M	B3 305
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Anthropology

ANTHRO 101- Human Biological Evolution (UC/CSU) - 3 Units

Requirement Designation: Meets IGETC 5B CSU B2

This course explores the field of physical anthropology emphasizing the evolution of the human species. Topics will include human heredity, mechanisms of evolutionary change, human variation, and the reconstruction of human evolutionary history through the study of the fossil record and the study of our closest biological relatives, the living monkeys and apes.

10697	LEC	7:00 am - 9:30 am	MTWTh	Huld, P J	F5-315
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10701	LEC	6:00 pm - 8:30 pm	MTWTh	Carter, M J	F5-315
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Architecture

Class No	Component	Start/End Time	Days	Instructor	Room
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ARC 160- Computers For Designers (CSU) - 3 Units

This introductory course will a focus on developing graphic and visual communications skills using digital tools.

12056	LEC	7:00 am - 9:50 am	TWTh	STAFF, L	C2-109
AND					
12057	LAB	9:50 am - 12:40 pm	TWTh	STAFF, L	C2-109

Art**ART 101- Survey Of Art History I (UC/CSU) - 3 Units**

Requirement Designation: Meets IGETC 3A CSU C1

An introductory survey of the arts of the Western World from the Prehistoric through the Middle Ages. Please consult local college catalog for further details.

10321	LEC	7:00 am - 9:30 am	MTWTh	Mann, A	F5-111
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ART 201- Drawing I (UC/CSU) - 3 Units

Requirement Designation: Meets CSU C1

Enrollment Requirement: Art - Drawing Course Family

Students apply elements and principles of design to the practice of drawing, employing a wide range of subject matter, drawing techniques and media. They develop observation-based and technical drawing skills and explore their creative responses to materials and subject matter.

10475	LEC	9:40 am - 11:15 am	MTWTh	Eoff, R J	F5-401
AND					
11415	LAB	11:30 am - 1:05 pm	MTWTh	Eoff, R J	F5-401

Astronomy**ASTRON 001- Elementary Astronomy (UC/CSU) - 3 Units**

Requirement Designation: Meets IGETC 5A CSU B1

Students will study of the history of astronomy, celestial motions, the solar system, stellar origins and evolution, nebulae, galaxies and cosmology.

10394	LEC	3:10 pm - 5:55 pm	MTWTh	Moreno, M A	F5-111
12257	LEC	10:30 hrs/wk	TBA	Khan, M	ON LINE

ASTRON 005- Fundamentals Of Astronomy Laboratory (UC/CSU) - 1 Unit

Requirement Designation: Meets IGETC 5C CSU B3

Enrollment Requirement: Corequisite: ASTRON 001

Using the planetarium and telescopes (as available on campuses) and/or planetarium software, star atlases and planispheres, this class will study the methods used by astronomers to determine the nature of the universe.

Class No	Component	Start/End Time	Days	Instructor	Room
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10442	LAB	6:30 pm - 9:00 pm	MTWTh	Moreno, M A	C4-420
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Automotive Collision Repair

AUTOCOR 248- Auto Custom Painting - 3 Units

Students receive instruction in the types and properties of paint, solvent and spot painting. Cause and effect relationships of paint and surface blemishes, paint application problems, repairs and final detailing as required to I-CAR and industry standards are introduced.

11077	LEC	7:00 am - 7:50 am	MTWTh	STAFF, L	B1-132
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AND

11078	LAB	8:00 am - 1:25 pm	MTWTh	STAFF, L	B1-100
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AUTOCOR 921- Cooperative Education - Automotive Collision Repair - 2 Units

Cooperative Education - Automotive Collision Repair

12046	LEC	6:50 hrs/wk	TBA	Guerra, J	B1-214
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Automotive Mechanics Tech

AUTORTK 113- Drive Train Components Principles And Practices (CSU) - 3 Units

Basic instruction on the construction, function, testing & repair of manual/automatic transmissions and transaxles, clutches and differentials.

11202	LEC	7:00 am - 7:50 am	MTWTh	STAFF, L	B1-130
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AND

11203	LAB	8:00 am - 1:25 pm	MTWTh	STAFF, L	B1-130
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AUTORTK 114- Steering,Suspension,Brakes,Principles And Practices (CSU) - 3 Units

This course provides instruction in the theory, design, principles, diagnostics, and proper system service of automotive brake, suspension, and steering systems.

10483	LEC	7:00 am - 7:50 am	MTWTh	STAFF, L	B1-116
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AND

10487	LAB	8:00 am - 1:25 pm	MTWTh	STAFF, L	B1-108
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AUTORTK 121- Basic Engine Theory Inspection And Repair (CSU) - 3 Units

This course offers instruction in the types of operating principles and performance characteristics of automotive engines. Applied mathematics and related physics are emphasized throughout the course. Students will disassemble and assemble a complete engine and apply related theory to factory procedures.

12051	LEC	7:00 am - 7:50 am	MTWTh	STAFF, L	B1-122
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AND

12052	LAB	8:00 am - 1:25 pm	MTWTh	STAFF, L	B1-122
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AUTORTK 123- Fuel & Emissions Systems Theory, Inspection & Repair (CSU) - 3 Units

Instruction is offered on engine performance, diagnosis and repair. Emphasis is placed on ignition, fuel, and emission systems. Instruction is offered on related technologies of automotive fuel delivery systems, induction and scavenging systems. The proper use of test equipment and automotive engine evaluation procedures are

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Class No	Component	Start/End Time	Days	Instructor	Room
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stressed in this course.

10489	LEC	7:00 am - 7:50 am	MTWTh	STAFF, L	B1-120
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AND

10493	LAB	8:00 am - 1:25 pm	MTWTh	STAFF, L	B1-104
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AUTORTK 144- California State Bureau Of Automotive Repair Clean Air Car - 3 Units

The course is designed to upgrade knowledge of the students who are currently employed in the automotive field. This course also prepares students for employment and licensing in the California State Smog Check Program and prepares them for the California State Smog License Examination. Materials and content comply with Bureau of Automotive Repair requirements.

10495	LEC	7:00 am - 7:50 am	MTWTh	STAFF, L	B1-128
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AND Select One of the following:

10496	LAB	8:00 am - 1:25 pm	MTWTh	STAFF, L	B1-104
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12417	LAB	5:00 pm - 10:25 pm	MTWTh	STAFF, L	B1-104
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12416	LEC	4:00 pm - 4:50 pm	MTWTh	STAFF, L	B1-128
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AND Select One of the following:

10496	LAB	8:00 am - 1:25 pm	MTWTh	STAFF, L	B1-104
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12417	LAB	5:00 pm - 10:25 pm	MTWTh	STAFF, L	B1-104
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AUTORTK 146- CALIFORNIA STATE BUREAU OF AUTOMOTIVE REPAIR SPECIFIED DIAGNOSIS AND REPAIR (CSU) - 3 Units

BAR Specified Diagnostic and Repair Training is intended to provide students a high level of competency in the diagnosis and repair of Smog Check failures. This training focuses on the areas of electrical/electronic systems and engine and emission control performance. Students with at least two years of engine performance repair experience and who successfully complete this training may qualify for the state licensing examination for the Smog Check Repair Technician License.

12049	LEC	7:00 am - 7:50 am	MTWTh	STAFF, L	B1-124
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AND

12050	LAB	8:00 am - 1:25 pm	MTWTh	STAFF, L	B1-124
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AUTORTK 921- Cooperative Education - Automotive And Related Technology - 2 Units

Cooperative Education is a work experience program involving the employer, the student-employee and the college to ensure that the student receives on the job training and the unit credit for work experience or volunteer work/internship. Each 60 hours of non-paid work equals one unit of credit. Each 75 hours of paid work equals one unit of credit. This course requires a student to be currently enrolled in an Automotive Technology course or successfully completed an Automotive Technology course in a prior semester. Student must be employed or volunteering/interning in order to participate in program. *Title 5, section 55253 states that a student may earn up to a maximum of 16 semester units or 24 quarter units of General & Occupational work experience education combined (Board Rule 6405.10).

12048	LEC	6:50 hrs/wk	TBA	Guerra, J	B1-214
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Biology

BIOLOGY 003- Introduction To Biology (UC/CSU) - 4 Units

Requirement Designation: Meets IGETC 5B 5C CSU B2 B3

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This course for non-majors examines the fundamental principles of biology with laboratories emphasizing hands-on investigations. Topics include an introduction to evolutionary theory, basic biological chemistry, cell function and reproduction, cellular respiration and photosynthesis, classical and contemporary genetics, gene expression and an introduction to animal structure and function. Meets UC/CSU GE requirement of natural science with a lab.

10617	LEC	8:30 am - 11:00 am	MTWTh	Pantastico Caldas, M C	C4-408
AND					
10620	LAB	11:10 am - 1:40 pm	MTWTh	Pantastico Caldas, M C	C4-408
12369	LEC	4:00 pm - 6:30 pm	MTWTh	STAFF, L	C4-468
AND					
12370	LAB	6:40 pm - 9:10 pm	MTWTh	STAFF, L	C4-468

BIOLOGY 005- Introduction To Human Biology (UC/CSU) - 4 Units

Requirement Designation: Meets IGETC 5B 5C CSU B2 B3

Introduction To Human Biology

12138	LEC	8:00 am - 10:25 am	MTWTh	Wong, R K	C4-468
AND					
12139	LAB	10:35 am - 1:00 pm	MTWTh	Wong, R K	C4-468

Bldg Construction Techniques

BLDGCTQ 002- Pre-Employment -Applied Trades Calculations And Measurements (CSU) - 3 Units

This is an entry level course in applied calculations and measurements with special emphasis on application problems encountered in the utility, maintenance, and construction industries.

12054	LEC	6:00 pm - 9:20 pm	MTW	STAFF, L	E2-105
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BLDGCTQ 102- O.S.H.A. Based Safety Standards: Construction & Industry (RPT 3) - 2 Units

This course provides instruction on industry safety and health rules as it applies to workers and employers within the construction industry. Topics such as fall protection, lock out tag out procedures, PPE, excavations, etc. are covered. Participants that meet the required hourly attendance and successfully pass the final exam will be eligible to receive their OSHA (30 hr) safety-training certificate.

12055	LEC	6:00 am - 9:20 am	WTh	STAFF, L	E2-136
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Business

BUS 001- Introduction To Business (UC/CSU) - 3 Units

Students engage in a multidisciplinary examination of how culture, society, economic systems, legal, international, political, financial institutions, and human behavior interact to affect a business organization's policy and practices within the U.S. and a global society. The course demonstrates how these influences impact the primary areas of business including: organizational structure and design, leadership, human

Class No	Component	Start/End Time	Days	Instructor	Room
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resource management, risk management and insurance, organized labor practices, ethics and social responsibility, marketing, organizational communication, e-business/technology, entrepreneurship, legal, accounting, and financial practices, and the stock and securities market; and therefore how they affect a business's ability to achieve its organizational goals.

10861	LEC	10:30 hrs/wk	TBA	Sonnier, G D	ON LINE
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BUS 032- Business Communications (CSU) - 3 Units

This course will help students to present themselves to potential employers, solve problems, use various forms of written communication, collaborate with work teams, and use technology to communicate. Learn how to succeed in today's competitive, diverse and global business environment through excellent communication and teamwork skills.

12152	LEC	6:50 hrs/wk	TBA	Wilson-Aus, A M	ON LINE
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AND

12153	LAB	6:50 hrs/wk	TBA	Wilson-Aus, A M	ON LINE
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COUNSELING

COUNSEL 004- Career Planning (CSU) - 1 Unit

Designed to assist students in choosing a major or career. Students will explore their interests, skills, personality type and values through the use of career assessments and on-line resources. Students will access information regarding occupational characteristics, employment trends and labor market updates. Emphasis will be placed on the development of a student educational plan (SEP).

12163	LEC	11:45 am - 1:35 pm	MW	STAFF, L	E5-301
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COUNSEL 020E- Post-Secondary Education: College Success (CSU) - 1 Unit

College Success is a course designed to increase the opportunity for success in college by assisting the student in obtaining skills necessary to reach his/her educational objectives. Topics in this course include information about college catalog, success, self-esteem, values and beliefs, study skills, communication skills, and healthy lifestyles. A student educational plan (SEP) will be developed.

12164	LEC	12:50 pm - 2:20 pm	TTh	Olguin, S	E5-301
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Carpentry

CRPNTRY 111A- Construction Ia (CSU) - 3 Units

This course covers use and operation of hand tools, machine tools, and portable electric tools commonly used in the construction trades. Fundamentals of residential foundation and wall construction, use of rough and finish hardware, glues and adhesives, federal, state, and local building codes and ordinances are studied.

10080	LEC	7:00 am - 12:10 pm	ThF	STAFF, L	E2-105
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CRPNTRY 111B- Construction Ib - 2 Units

This is the second laboratory course in the Carpentry 111 sequence. This covers use and operation of hand tools, machine tools, and portable electric tools commonly used in the construction trades. Fundamentals of residential foundation and wall construction will be the focus of this course.

10086	LAB	7:00 am - 2:25 pm	MTW	STAFF, L	E2-104
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Chemistry**CHEM 051- Fundamentals Of Chemistry I (UC/CSU) - 5 Units**

Requirement Designation: Meets IGETC 5A 5C CSU B1 B3

Enrollment Requirement: Prerequisite: MATH 114 or MATH 115

Chemistry 51 is a descriptive course in general, organic and biological chemistry designed for nursing and Allied Health students. Topics include: the metric system of measurements, chemical symbols, formulas and nomenclature systems, chemical equations and physical and chemical characteristics for all states of matter. Other topics include acids, bases, buffers and pH. Organic topics focus on functional group identification including hydrocarbons, organic halide, alcohols, ethers, ketones, aldehydes, amines, carboxylic acids, esters and other acid derivatives, carbohydrates, lipids and proteins are also surveyed.

10063	LEC	9:45 am - 1:15 pm	MTWTh	STAFF, L	C4-406
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AND

10067	LAB	7:00 am - 9:30 am	MTWTh	STAFF, L	C4-466
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CHEM 101- General Chemistry I (UC/CSU) - 5 Units

Requirement Designation: Meets IGETC 5A 5C CSU B1 B3

Enrollment Requirement: Prerequisite: MATH 125

This is the first semester of a one-year course in general chemistry intended for majors in the natural sciences, (chemistry, biochemistry, biology, physics, pre-medicine), mathematics and engineering. Topics presented in this course include chemical nomenclature, atomic structure, quantum theory, bonding theories and molecular geometries, chemical equations, oxidation-reduction, stoichiometry, thermochemistry, solid, liquid and gaseous states and related forces, gas laws, solutions and colligative properties, periodic relationships, and acid-base theories. Lab work involves both qualitative and quantitative analysis.

10820	LEC	8:00 am - 10:30 am	MTWTh	Lee, H	C4-305
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AND

10823	LAB	10:45 am - 4:15 pm	MTWTh	Lee, H	C4-466
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CHEM 102- General Chemistry II (UC/CSU) - 5 Units

Requirement Designation: Meets IGETC 5A 5C CSU B1 B3

Enrollment Requirement: Prerequisite: CHEM 101

This is the second semester of a one-year course in general chemistry intended for majors in the natural sciences, (chemistry, biochemistry, biology, physics, pre-medicine), mathematics and engineering. Topics presented in this course include chemical kinetics, molecular and ionic equilibria, thermodynamics, electrochemistry, and nuclear, coordination, descriptive and organic chemistry. Lab work involves both qualitative and quantitative analysis.

Class No	Component	Start/End Time	Days	Instructor	Room
10841	LEC	1:45 pm - 4:15 pm	MTWTh	Acosta, M	C4-305
AND					
10843	LAB	4:25 pm - 9:50 pm	MTWTh	Acosta, M	C4-466

CHEM 211- Organic Chemistry For Science Majors I (UC/CSU) - 5 Units

Requirement Designation: Meets IGETC 5A 5C CSU B1 B3

Enrollment Requirement: Prerequisite: CHEM 102

This course is the first part of a two semester organic chemistry course sequence. Students are introduced to organic molecular structures, bonding, nomenclature including conformational analysis, potential energy plots, hybridization, stereochemistry and functional group chemistry, with emphasis on reactions and reaction mechanisms. It also includes the applications of instrumental methods in functional group analysis and identification of molecular structures. In the laboratory students learn the essential skills and techniques of preparation, isolation, purification, and analysis of organic compounds by employing standard and modern instrumental methods. This course also emphasizes the use and interpretation of Nuclear Magnetic Resonance (NMR), Infrared (IR) Spectroscopy and Gas Chromatography (GC) in the analysis and identification of organic compounds.

This course is part of the transfer sequence for careers in the physical, biological, and health sciences and a requirement for the Associate of Sciences degree in Chemistry.

11400	LEC	2:00 pm - 4:35 pm	MTWTh	STAFF, L	C4-322
AND					
11401	LAB	4:45 pm - 10:00 pm	MTWTh	STAFF, L	C4-464

CHEM 212- Organic Chemistry For Science Majors II (UC/CSU) - 5 Units

Requirement Designation: Meets IGETC 5A 5C CSU B1 B3

Enrollment Requirement: Prerequisite: CHEM 211

This course is a continuation of Chemistry 211 with emphasis on the remaining functional groups and aromaticity. Emphasis is put on reactions and reaction mechanisms, stereochemistry, multi-step synthesis of a variety of organic compounds such as aromatic compounds, alcohols, phenols, amines, heterocyclics, aldehydes, ketones, carboxylic acids and their derivatives. The structures, formation and reactions of enols and enolate anions are also studied. The structures and functional group reactions of biological molecules such as carbohydrates, amino acids, polypeptides, lipids and nucleic acids are discussed. The laboratory work presents more techniques of multi-step synthesis, isolation, purification, and analysis of organic compounds using conventional and modern instrumental methods. This course also emphasizes the use and interpretation of Nuclear Magnetic Resonance (NMR), Infrared (IR), Mass Spectroscopy (MS), Ultraviolet (UV), and Gas Chromatograph (GC) in the analysis and identification of organic compounds.

The Chem. 211 and 212 sequence satisfy the one year organic chemistry requirement for careers in the physical, biological, and health sciences and a requirement for the Associate of Sciences degree in Chemistry.

12189	LEC	8:00 am - 10:25 am	MTWTh	Diaz, M	C4-424
AND					
12292	LAB	10:35 am - 4:00 pm	MTWTh	Diaz, M	C4-464

Class No	Component	Start/End Time	Days	Instructor	Room
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Child Development

CH DEV 002- Early Childhood: Principles And Practices (CSU) - 3 Units

Enrollment Requirement: Prerequisite: CH DEV 001
TB clearance required

The student will explore the history of early childhood education as well as current philosophies and practices. Early Childhood programs will be observed and examined in relation to the needs of the child, the arrangement of the environment and the role of the teacher.

10262	LEC	7:00 am - 9:30 am	MTWTh	Maina, R G	C4-222
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CH DEV 007- Introduction To Curriculum In Early Childhood Education (CSU) - 3 Units

Enrollment Requirement: Prerequisite: CH DEV 001 and CH DEV 002

Students learn and develop the knowledge and skills to provide appropriate curriculum and environments for young children from birth to age 6. Students examine a teacher's role in supporting development and fostering the joy of learning for all young children using observation and assessment strategies emphasizing the essential role of play. Planning, implementation and evaluation of curriculum includes but not be limited to: language and literacy, social and emotional learning, sensory learning, art and creativity, math, natural and physical sciences.

10339	LEC	7:00 am - 9:30 am	MTWTh	Patron, A	C4-321
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CH DEV 031- Infant/Toddler Care and Education (CSU) - 3 Units

Enrollment Requirement: Prerequisite: CH DEV 001 and CH DEV 030

The principles and practices of inclusive and respectful caregiving for infants and toddlers within a variety of program designs will be studied and analyzed. Attention will be given to designing environments and curriculum that support current research into brain theory, language development, assessment, early intervention, and inclusion practices.

11413	LEC	10:30 am - 1:00 pm	MTWTh	Patron, A	C4-321
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CH DEV 034- Observing And Recording Children's Behavior (CSU) - 3 Units

Enrollment Requirement: Prerequisite: CH DEV 001

This course focuses on the appropriate use of a variety of assessment and observation strategies to document child development, growth, behaviors, play and learning, and to join with families and professionals in promoting children's success. Recording strategies, rating systems, portfolios, and multiple assessment tools are explored. Child observations will be conducted and analyzed.

12154	LEC	10:30 am - 1:00 pm	MTWTh	Maina, R G	C4-222
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Communication Studies

COMM 101- Public Speaking (UC/CSU) - 3 Units

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Requirement Designation: Meets IGETC 1C CSU A1

Students study the theory and techniques of public speaking in a democratic society. Students will apply rhetorical principles to topic selection and audience analysis, research and reasoning of information, speech composition and outlining, presentation aids and delivery, and listening and evaluation of public discourse. Students practice effective communicative strategies for various types of original speeches including informative and persuasive speeches. Focus will be on developing credibility as a speaker and demonstrating confidence before an audience. This course meets Communication Studies Associate Degree for and transfer requirements in Oral Communication.

12062	LEC	7:00 am - 9:30 am	MTWTh	Glavan, J J	F5-206
10619	LEC	9:40 am - 12:10 pm	MTWTh	McDermott, D A	F5-206
10623	LEC	6:00 pm - 8:30 pm	MTWTh	Mock, J C	F5-201

Community Plan/Economic Dev

COMPLAN 012- Fundraising Basics For Nonprofit Organizations (UC/CSU) - 1 Unit

This course provides students with a basic understanding of fundraising and grant development concepts, strategies and tools applicable to non-profit organizations.

11924	LEC	6:00 pm - 9:20 pm	W	Henderson, P	F5-312
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COMPLAN 015- Introduction To The Community Development Industry & Careers (CSU) - 1 Unit

Learn about the field of community development by exploring historical and current trends. Explore the range and scope of organizations working in the field, leadership, issues, community served and approaches to community based solutions.

11925	LEC	8:30 am - 5:20 pm	Sa	Coracero, S A	OFF CAMP
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Actual class dates are 1/25/20 and 2/1/20. This is an off campus class to be held at CD Tech, 520 W. 23rd St., Los Angeles, CA 90007. Contact Labor Center at 213-763-7129.

(Starts 01/25/2020, Ends 02/01/2020)

COMPLAN 040- Non-Profit Program Design And Development (CSU) - 2 Units

This course guides students to design and develop non-profit programs that are highly integrated into a non-profit service organization's mission, vision and values. Topics include identifying conditions, research and problem analysis, program goal development, outcome creation, implementation strategies and evaluation of impact.

11926	LEC	9:00 am - 3:50 pm	F	Torres, B	OFF CAMP
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This is an off campus class to be held at CD Tech 520 W. 23rd St., Los Angeles, CA 90007; contact Labor Center at 213-763-7129. Actual class dates are 1/10/20, 1/17/20, 1/24/20, 1/31/20 and 2/7/20.

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Computer Apps Office Tech

CAOT 082- Microcomputer Software Survey In The Office (CSU) - 3 Units

This course provides hands-on experience and training in the basic concepts and functions of the Microsoft Office Suite. Students gain core level skills necessary to design, create, and edit word processing documents using Word, spreadsheets using Excel, databases using Access, and presentation graphics using PowerPoint. Other topics may include e-mail and communication software using Outlook, information systems, e-commerce, networking, ethics and security, and computer hardware components, and the Windows operating system.

10008	LEC	8:00 am - 9:45 am	MTWTh	Bailey, P	C4-320
AND					
10010	LAB	9:45 am - 12:15 pm	MTWTh	Bailey, P	C4-320

Computer Information Systems

CO INFO 739- Programming In C++ (UC/CSU) - 3 Units

This class provides an introduction to the use of the C++ programming system. It emphasizes the syntax and grammar of its coding language. The method of instruction is the use of the system to implement computer application projects using the traditional programming structures of sequence, selection, and loops, use of functions, arrays and strings and how different data types work.

10197	LEC	6:50 hrs/wk	TBA	Pakbaz, M	ON LINE
AND					
10203	LAB	6:50 hrs/wk	TBA	Pakbaz, M	ON LINE

Cosmetology

CSMTLGY 101- Introduction To Cosmetology (NDA) - 3 Units

Introduction to the opportunities in the field of cosmetology. Students will learn how vocabulary, math skills, and study skills are applicable to the field, and will be better prepared to enter a full-time cosmetology program.

11096	LEC	12:30 pm - 3:15 pm	MTWTh	Chen, L H	B2-233
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CSMTLGY 210- Introduction To Hair Coloring - 3 Units

Enrollment Requirement: Prerequisite: CSMTLGY 112 or BAR 114

Students are offered an introduction to basic hair coloring categories, applications and bleaching techniques. In addition, the course will concentrate on hair cutting, hair styling, and permanent waving procedures.

10115	LEC	7:00 am - 8:20 am	MTWTh	Botma, S M	B2-247
AND					
10124	LAB	8:30 am - 1:00 pm	MTWTh	Botma, S M	B2-247
11721	LEC	7:00 am - 8:20 am	MTWTh	Robinson, E J	B2-237
AND					
11722	LAB	8:30 am - 1:00 pm	MTWTh	Robinson, E J	B2-237

2020 Winter SCHEDULE

LA Trade-Technical College

Class No	Component	Start/End Time	Days	Instructor	Room
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10098	LEC	4:00 pm - 5:20 pm	MTWTh	Young, C P	B2-247
AND					
10104	LAB	5:30 pm - 10:00 pm	MTWTh	Young, C P	B2-247

CSMTLGY 211- Intermediate Hair Coloring And Styling - 3 Units

Enrollment Requirement: Prerequisite: CSMTLGY 112 or BAR 114

Students are offered an introduction to intermediate hair coloring, bleaching and toning applications and techniques. In addition, the course will concentrate on hair cutting, hair styling, and skin care procedures.

10146	LEC	7:00 am - 8:20 am	MTWTh	Botma, S M	B2-247
AND					
10152	LAB	8:30 am - 1:00 pm	MTWTh	Botma, S M	B2-247
11723	LEC	7:00 am - 8:20 am	MTWTh	Robinson, E J	B2-247
AND					
11724	LAB	8:30 am - 1:00 pm	MTWTh	Robinson, E J	B2-237
10131	LEC	4:00 pm - 5:20 pm	MTWTh	Young, C P	B2-247
AND					
10137	LAB	5:30 pm - 10:00 pm	MTWTh	Young, C P	B2-247

CSMTLGY 214- Advanced Hair Coloring And Styling - 3 Units

Enrollment Requirement: Prerequisite: CSMTLGY 112 or BAR 114

Students are offered instruction in permanent hair coloring applications, color correction techniques, zonal and block highlighting effects. In addition, the course will concentrate on hair cutting, thermal hair styling, long hair designing and nail technology.

10168	LEC	7:00 am - 8:20 am	MTWTh	Botma, S M	B2-247
AND					
10176	LAB	8:30 am - 1:00 pm	MTWTh	Botma, S M	B2-247
11725	LEC	7:00 am - 8:20 am	MTWTh	Robinson, E J	B2-237
AND					
11726	LAB	8:30 am - 1:00 pm	MTWTh	Robinson, E J	B2-237
10158	LEC	4:00 pm - 5:20 pm	MTWTh	Young, C P	B2-247
AND					
10165	LAB	5:30 pm - 10:00 pm	MTWTh	Young, C P	B2-247

CSMTLGY 215- Contemporary Styling Techniques - 3 Units

Enrollment Requirement: Prerequisite: CSMTLGY 112 or BAR 114

Students receive instruction in advanced hair designing, hair coloring, hair sculpting, and chemical texture services.

10208	LEC	7:00 am - 8:20 am	MTWTh	Botma, S M	B2-247
AND					
10216	LAB	8:30 am - 1:00 pm	MTWTh	Botma, S M	B2-247

2020 Winter SCHEDULE

LA Trade-Technical College

Class No	Component	Start/End Time	Days	Instructor	Room
11727	LEC	7:00 am - 8:20 am	MTWTh	Robinson, E J	B2-237
AND					
11728	LAB	8:30 am - 1:00 pm	MTWTh	Robinson, E J	B2-237
10189	LEC	4:00 pm - 5:20 pm	MTWTh	Young, C P	B2-247
AND					
10194	LAB	5:30 pm - 10:00 pm	MTWTh	Young, C P	B2-247

CSMTLGY 217- Multi-Texture Design (Level 1-2) - 3 Units

This class teaches the basic techniques of the five most popular methods for applying hair additions: strand by strand, braiding, bonding, track and sew and netting.

11089	LEC	7:00 am - 9:05 am	MTWTh	Shackelford, S	B2-128
AND					
11090	LAB	9:15 am - 12:20 pm	MTWTh	Shackelford, S	B2-128

CSMTLGY 221- Advanced Makeup Techniques (NDA) - 3 Units

This course is designed to teach students makeup applications in contouring techniques, correct shaping of eyes, lips and eyebrows; makeup applications for women of all ages and ethnicities, and tool knowledge and camouflage procedures.

11093	LEC	10:30 am - 12:15 pm	MTWTh	Ley, L G	B2-238
AND					
11094	LAB	12:25 pm - 3:00 pm	MTWTh	Ley, L G	B2-238

Culinary Arts

CLN ART 111- Culinary Arts Orientation I (CSU) - 4 Units

Enrollment Requirement: Prerequisite or Corequisite: CLN ART 112

With a combination of lecture and lab practice, the students are introduced to the world of commercial food production. Students are introduced to culinary theories and develop skills in knife handling, ingredient identification, small and large equipment use, weights and measures, recipe development and cooking fundamentals.

12025	LEC	8:25 am - 9:40 am	MTWThF	Pasin, C	B4-134
AND					
12026	LAB	9:50 am - 2:05 pm	MTWThF	Pasin, C	B4-102

CLN ART 112- Sanitation And Safety (CSU) (RPT 3) - 2 Units

This class discusses sanitation and safety as it applies to the restaurant industry; HACCP protocol, preventing food borne outbreaks, introduction to microbiology and establishing 'flow of food systems' will be covered, federal, state and local legislation and employee training. National Restaurant Association Serve Safe Test will be given at conclusion of this class.

10117	LEC	7:00 am - 8:15 am	MTWThF	Garnica Diaz, E	B4-301
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Diesel And Related Technology

DIESLTK 265- Compressed Natural Gas (Cng), Liquefied Natural Gas (Lng) Fuel & Electronic Controls - 4 Units

Class No	Component	Start/End Time	Days	Instructor	Room
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This course provides an introduction to Compressed Natural Gas (CNG) and Liquefied Natural Gas (LNG) fuel safety and handling, CNG/LNG fuel system layout, ignition systems, and the electronic controls that support the use of this alternative fuel.

11406	LEC	7:00 am - 9:30 am	MTWTh	STAFF, L	B1-211
AND					
11407	LAB	9:40 am - 12:10 pm	MTWTh	STAFF, L	B1-211

DIESLTK 921- Cooperative Education - Diesel And Related Technology - 2 Units

Cooperative Education is a work experience program involving the employer, the student-employee and the college to ensure that the student receives on the job training and the unit credit for work experience or volunteer work/internship. Each 60 hours of non-paid work equals one unit of credit. Each 75 hours of paid work equals one unit of credit. This course requires a student to be currently enrolled in a Diesel Technology course or successfully completed a Diesel Technology course in a prior semester. Student must be employed or volunteering/interning in order to participate in program. *Title 5, section 55253 states that a student may earn up to a maximum of 16 semester units or 24 quarter units of General & Occupational work experience education combined (Board Rule 6405.10).

12047	LEC	6:50 hrs/wk	TBA	Guerra, J	B1-214
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Digital Media

DIGLMD 100- Introduction To Digital Video (UC/CSU) - 3 Units

Students are introduced to the process and tools of non-linear video editing. Basic skills will be developed in editing techniques, media file formats, basic audio editing, compression types, industry terminology, development of basic still and motion graphics, and understanding key concepts of shooting for digital systems. Students will produce short video sequences that are appropriately compressed for delivery via web/Internet and various digital media.

12033	LEC	8:00 am - 9:35 am	MTWTh	STAFF, L	D4-200
AND					
12034	LAB	9:45 am - 11:20 am	MTWTh	STAFF, L	D4-200

Drafting

DRAFT 063- Cadd For Building (CSU) - 3 Units

This course covers CAD (Computer Aided Drafting) and BIM (Building Information Model) for Mechanical, Electrical and Plumbing fundamentals, as it applies to the Architecture Field.

11527	LEC	6:00 pm - 7:35 pm	MTWThF	STAFF, L	C2-107
AND					
11528	LAB	7:45 pm - 9:20 pm	MTWThF	STAFF, L	C2-107

Economics

ECON 001- Principles Of Economics I (UC/CSU) - 3 Units

Requirement Designation: Meets IGETC 4B CSU D2

Enrollment Requirement: Prerequisite: MATH 115

Introductory course in the principles of microeconomic theory, including economic analysis of the firm and

Class No	Component	Start/End Time	Days	Instructor	Room
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resource allocation; analysis of the laws of supply and demand; market structures of the American economy; price theory; current domestic economic problems.

12340	LEC	1:00 pm - 3:25 pm	MTWTh	Ahmad, J	C4-324
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Elect Construction Maintenance

ECONMT 100- (O.S.H.A.) Safety Standards: Construction & Industry - 2 Units

This course provides instruction on industry safety and health rules as it applies to workers and employers within the construction industry. Topics such as fall protection, lock out tag out procedures, PPE, excavations, etc. are covered. Participants that meet the required hourly attendance and successfully pass the final exam will be eligible to receive their OSHA (30 hr) safety-training certificate.

10393	LEC	6:00 pm - 9:50 pm	TW	STAFF, L	E2-136
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ECONMT 105- Fundamentals Of Solar Electricity (CSU) - 3 Units

Fundamentals of electric power produced by the sun. Subjects covered include generation, transmission, conversion, distribution, safety, system components, necessary tools.

11192	LEC	6:00 am - 9:35 am	MTW	STAFF, L	B1-208
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ECONMT 115- Fundamentals Of D.C. Electricity (CSU) - 3 Units

This course offers study in the Fundamentals of D.C. Electricity. Subjects include: Electrical safety, the basic principles of atomic structure, electrical quantities,static electricity, magnetism, induction, resistors,series circuits, parallel circuits, and combination circuits. The proceeding resistive circuits will be analyzed using Ohm's Law, The Power Equation and Kirchoff's Voltage and Current Laws.

10417	LEC	7:00 am - 10:35 am	MTW	STAFF, L	E2-352
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10404	LEC	6:00 pm - 9:35 pm	MTW	STAFF, L	E2-352
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ECONMT 116- Handtools And Wiring Practices (CSU) - 2 Units

This course covers the proper use of Hand Tools, Wiring Methods, Conductor Identification, Selection, Splicing and Termination. Trade Practices and an Introduction to the National Electrical Code.

11189	LAB	7:00 am - 11:15 am	MTWThF	STAFF, L	E2-301
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10423	LAB	5:30 pm - 9:45 pm	MTWThF	STAFF, L	E2-301
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Class No	Component	Start/End Time	Days	Instructor	Room
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ECONMT 119- Applied Calculations and Measurements (CSU) - 3 Units

This is an entry level course in electrical calculations and measurements with special emphasis on the application problems encountered in the electrical construction industry.

12053	LEC	7:00 am - 10:20 am	MTW	STAFF, L	E2-337
10033	LEC	1:00 pm - 4:20 pm	TWTh	STAFF, L	E2-352
10030	LEC	6:00 pm - 9:20 pm	TWTh	STAFF, L	E2-330

ECONMT 120- Industrial Control Systems (CSU) - 3 Units

This course is a study of motors, circuits and devices used for controlling electric motors and the National Electrical Code covering motor installation.

10040	LEC	5:45 pm - 9:20 pm	MTW	STAFF, L	E2-320
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ECONMT 129- Fundamentals Of Alternating Current - 3 Units

This course offers a study in operating principles of electrical power systems, the theory of A.C. generators and motors, load calculations, efficiencies, power factor correction, and calculations related to these theories.

11370	LEC	7:00 am - 10:35 am	MTW	STAFF, L	E2-302
11371	LEC	5:45 pm - 9:20 pm	MTW	STAFF, L	E2-302

Electronics

ELECTRN 002- Introduction To Electronics (CSU) - 3 Units

Introduction To Electronics

11405	LEC	8:00 am - 11:55 am	MTW	STAFF, L	C4-302
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Engineering, General

ENG GEN 101- Introduction To Science, Engineering And Technology (UC/CSU) - 2 Units

This course explores the branches of engineering and engineering technologies, the functions of an engineer and a technologist, and the industries in which they work. Explains the educational pathways and effective strategies for students to reach their full academic and career potentials, by thorough understanding of

Class No	Component	Start/End Time	Days	Instructor	Room
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academia and academic success strategies. Presents an introduction to the methods and tools of engineering problem solving and design including the interface with society, professional and engineering ethics, and lifelong learning. Develops communication skills pertinent to the engineering and engineering technologies professions, through hands-on project(s) and teamwork in diverse environments.

11410	LEC	9:00 am - 9:50 am	MTWTh	Klee, V	C4-420
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AND

11411	LAB	10:15 am - 11:40 am	MTWTh	Navarro, A	C4-420
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English

ENGLISH 072- English Bridge (NDA) - 1 Unit

This intensive, one-unit course prepares the student to succeed in English 28 or 101 by offering an intensive review of grammar, paragraph and essay structure, and rhetorical strategies.

12341	LAB	12:35 pm - 2:05 pm	MTWTh	Sowter, S V	TBA 1
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This is a free-standing English 72 to lab. This class is designed to help you with reading and writing assignments across disciplines. Any student may enroll. Questions? Email Prof. Sowter at sowtersv@lattc.edu

ENGLISH 100- Accelerated Prep: College Writing (NDA) - 3 Units

This class prepares students for academic reading, critical thinking, and writing expected in transfer and associate-degree classes. Students plan, draft, revise, and edit compositions based on college-level readings that cover topics that challenge students' thinking and provide an intellectual background for the assignments. This course prepares students for English 101.

10883	LEC	8:30 am - 10:05 am	MTWTh	Cruz, C A	F5-201
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AND

11469	LAB	10:15 am - 11:50 am	MTWTh	Cruz, C A	F5-201
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ENGLISH 101- College Reading And Composition I (UC/CSU) - 3 Units

Requirement Designation: Meets IGETC-1A CSU-A2

Enrollment Requirement: Prerequisite: English 028 or Placement in E1 or E2 or E3 or E4 or E5 or E6 or E8 or E9 or E10 or E12 or E13 or E14

This is a college-level freshman composition course, which focuses on expository writing and argumentation and requires the writing of a minimum of 6000 words in essays and a research paper. Students study a variety of texts written at the college level, including literature, that reflect current academic concerns relating to issues of language, ethnicity, class, gender, identity, psychology, and cultural studies. The course is intended for students who plan to transfer to a four-year college or university.

12165	LEC	9:00 am - 12:00 pm	TTh	Viliesid, C N	F5-215
And	LEC	4:45 hrs/wk	TBA	Viliesid, C N	ON LINE

10951	LEC	9:40 am - 12:25 pm	MTWTh	Sowter, S V	F5-210
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12167	LEC	9:40 am - 12:45 pm	MW	Mancia, R A	F5-212
And	LEC	4:35 hrs/wk	TBA	Mancia, R A	ON LINE

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Class No	Component	Start/End Time	Days	Instructor	Room
12166 And	LEC LEC	12:30 pm - 3:30 pm 4:45 hrs/wk	TTh TBA	Viliesid, C N Viliesid, C N	F5-215 ON LINE
10953	LEC	12:35 pm - 3:10 pm	MTWTh	Cruz, C A	F5-201
11627	LEC	6:00 pm - 8:30 pm	MTWTh	Ajluni, A C	F5-208
Any questions regarding this class, please contact Instructor Ajluni at AJLUNIAC@latc.edu.					
10956	LEC	10:30 hrs/wk	TBA	Ortiz, J I	ON LINE
10962	LEC	10:30 hrs/wk	TBA	Ortiz, J I	ON LINE
10964	LEC	10:30 hrs/wk	TBA	Mancia, R A	ON LINE
This class meets on line 10 hours 30 minutes each week. You will be required to submit assignments on a weekly basis. Anticipate that this will require more time on line. You should be proficient in functioning in the Canvas learning system. If you need help, contact Academic Connections (Mariposa Hall) for Canvas orientation sessions.					

ENGLISH 102- College Reading And Composition II (UC/CSU) - 3 Units

Requirement Designation: Meets IGETC 1B 3B CSU A3 C2

Enrollment Requirement: Prerequisite: English 101

English 102 develops reading, writing, and critical thinking skills beyond the level achieved in English 101 and requires the writing of a minimum of 10,000 words in essays and a research paper throughout the semester. It emphasizes logical reasoning, analysis, and strategies of argumentation using literature and literary criticism.

11021	LEC	10:30 hrs/wk	TBA	Moreno, L M	ON LINE
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ENGLISH 103- Composition And Critical Thinking (UC/CSU) - 3 Units

Requirement Designation: Meets IGETC 1B CSU A3

Enrollment Requirement: Prerequisite: English 101

This course helps students develop critical thinking, reading, and writing skills beyond the level achieved in English 101 with an emphasis on logical reasoning, analysis, argumentative writing skills, and research strategies with a minimum of 10,000 words of student writing submitted over the semester.

11034	LEC	10:30 hrs/wk	TBA	Sowter, S V	ON LINE
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11035	LEC	10:30 hrs/wk	TBA	Blake, G B	ON LINE
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This class meets on line 10 hours 30 minutes each week. You will be required to submit assignments on a weekly basis. Anticipate that this will require more time on line. You should be proficient in functioning in the Canvas learning system. If you need help, contact Academic Connections X 3742 (Mariposa Hall) for Canvas orientation sessions.

Class No	Component	Start/End Time	Days	Instructor	Room
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11306	LEC	10:30 hrs/wk	TBA	Moreno, L M	ON LINE
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Fashion Design

FASHDSN 119A- History Of Costume I (CSU) - 1.5 Units

This course offers an overview of the evolution of fashion from its beginnings in the ancient world through the Baroque and Rococo Eras. Cross cultural influences on fashion through wars, trade, travel, immigration, and communication will be discussed.

11505	LEC	5:10 hrs/wk	TBA	STAFF, L	ON LINE
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FASHDSN 125A- Textiles (CSU) - 1.5 Units

This course will introduce design students to fabrications and their appropriate styling. Fabrics discussed will include cottons, woolens, synthetics, and organics as well as support fabrications. Care and handling along with machinery for construction will be covered in this course.

11506	LEC	12:00 pm - 1:50 pm	TWTh	STAFF, L	D4-236
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FASHDSN 139- Coordinated Sportswear (CSU) - 2 Units

Enrollment Requirement: Prerequisite: FASHDSN 132

Advisory: FASHDSN 118, FASHDSN 138

Instruction is given on the development of coordinated sportswear including story board presentation and critique. This class has been developed to focus on this most important component of the local apparel industry with concentration on jacket and pant construction and coordination of multiple fabrications within a group.

10226	LAB	7:00 am - 11:50 am	MTW	STAFF, L	D4-130
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FASHDSN 225- Pattern Making And Design I - 2 Units

Entry level class offering instruction in development of a basic block, test fitting, and additional basic pattern making fundamentals.

12030	LAB	7:00 am - 12:10 pm	MTWTh	STAFF, L	D4-332
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FASHDSN 264- Apparel Computer Systems Analysis (CSU) - 1 Unit

This course demonstrates how the apparel industry uses commercial and industry specific technology in the global market. Topics covered are apparel and commercial software and hardware used in the manufacturing

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Class No	Component	Start/End Time	Days	Instructor	Room
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process.

12263	LAB	8:00 am - 11:20 am	MTW	STAFF, L	D4-132
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FASHDSN 270- Illustrator For Fashion Design - 2 Units

This computer sketching course focuses on the fundamental options to illustrate garments, and fabrics for clothing and accessory presentations based on current global fashion industry technology standards.

10235	LAB	3:00 pm - 7:15 pm	MTWThF	STAFF, L	D4-303
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Fashion Merchandising

FASHMER 021- Cultural Perspectives Of Dress (CSU) - 3 Units

This course covers the factors that influence human behavior in the selection of dress in societies and cultural groups, and the influence of these factors on the design and production of textiles and apparel. Students will study consumer's purchasing decisions. Topics include the cultural context of dress, dress as nonverbal communication, dress through life stages, dress in the workplace, ethnic influences on dress, and technological changes of dress.

11450	LEC	9:00 am - 11:30 am	MTWTh	STAFF, L	D4-300
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Health

HEALTH 011- Principles Of Healthful Living (UC/CSU) - 3 Units

Requirement Designation: Meets CSU E

Students will learn health concepts and values with the goal of promoting a high quality of life. Topics include nutrition, physical fitness, communicable diseases and other major health problems, consumer and environmental health, human sexuality and family life, mental and emotional health, tobacco, alcohol and drugs, aging, and death and dying.

12186	LEC	10:30 hrs/wk	TBA	Delzeit, L D	ON LINE
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History

HISTORY 011- Political And Social History Of The United States I (UC/CSU) - 3 Units

Requirement Designation: Meets IGETC 4F CSU D6

Political And Social History Of The United States I

10782	LEC	9:40 am - 12:10 pm	MTWTh	Martinez, M E	F5-313
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10786	LEC	12:55 pm - 3:25 pm	MTWTh	Friedman, B D	F5-313
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Class No	Component	Start/End Time	Days	Instructor	Room
10793	LEC	6:00 pm - 8:30 pm	MTWTh	Gutierrez, E O	F5-313
11235	LEC	10:30 hrs/wk	TBA	Bird, B L	ON LINE

HISTORY 012- Political And Social History Of The United States II (UC/CSU) - 3 Units

Requirement Designation: Meets IGETC 4F CSU D6

Political And Social History Of The United States II

11399	LEC	10:30 hrs/wk	TBA	Rodriquez Estrada, A I	ON LINE
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HISTORY 041- The African American In The History Of The U.S. I (UC/CSU) - 3 Units

Requirement Designation: Meets IGETC 4F CSU D6

The African American In The History Of The U.S. I

10882	LEC	10:30 hrs/wk	TBA	Bell-Blossom, M S	ON LINE
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HISTORY 086- Introduction To World Civilization I (UC/CSU) - 3 Units

Requirement Designation: Meets IGETC 4F CSU D6

Introduction To World Civilization I

12188	LEC	10:30 hrs/wk	TBA	STAFF, L	ON LINE
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Humanities

HUMAN 001- Cultural Patterns Of Western Civilization (UC/CSU) - 3 Units

Requirement Designation: Meets IGETC 3B CSU C2

This course introduces the general concepts of the Humanities in the framework of the predominant cultural patterns of the Western tradition from the earliest civilizations, such as the Sumerians and the Egyptians, the classical heritage of Greece and Rome, the Medieval period, or Middle Ages, and possibly continuing through the Renaissance and the Reformation. Mythology, music, history, philosophy, painting, drama, sculpture and architecture are studied and compared in relation to their background, medium, organization and style.

Emphasis is placed upon the awareness of cultural heritage, values and perspectives as revealed in the arts. Comparisons to relevant Asian, African and American cultures and art may also explored. Specifics may vary based on instructor.

10128	LEC	9:40 am - 12:10 pm	MTWTh	Armstrong, A E	F5-111
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Class No	Component	Start/End Time	Days	Instructor	Room
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11416	LEC	10:30 hrs/wk	TBA	Tropf, R K	ON LINE
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Kinesiology

KIN 237- Boot Camp I (CSU) - 1 Unit

This course is designed as an introduction to high intensity interval training methods to improve levels of fitness.

12142	LAB	10:10 am - 12:40 pm	MTWTh	Lagos, D R	C4-BASE
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KIN 300-1- Swimming Non-Swimmer I (UC/CSU) - 1 Unit

Requirement Designation: Meets CSU E

Enrollment Requirement: Maximum of 4 enrollments in Kinesiology family

Students learn introductory aquatic skills, water safety, basic aquatic activities and develop confidence in water. This course is designed for students to learn how to swim. All levels welcomed.

12143	LAB	1:00 pm - 3:30 pm	MTWTh	STAFF, L	P OOL
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KIN 300-2- Swimming Non-Swimmer II (UC/CSU) - 1 Unit

Requirement Designation: Meets CSU E

Enrollment Requirement: Maximum of 4 enrollments in Kinesiology family

Students learn beginning aquatic skills, water safety, basic aquatic activities and further develop confidence in water. This course is designed for students to continue learning how to swim, building on KIN 300-1.

12144	LAB	1:00 pm - 3:30 pm	MTWTh	STAFF, L	P OOL
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KIN 300-3- Swimming Non-Swimmer III (CSU) - 1 Unit

Requirement Designation: Meets CSU E

Enrollment Requirement: Maximum of 4 enrollments in Kinesiology family

Students learn intermediate aquatic skills, water safety, basic aquatic activities and further develop confidence in water. This course is designed for students to continue learning how to swim, building on KIN 300-1 and KIN 300-2.

12145	LAB	1:00 pm - 3:30 pm	MTWTh	STAFF, L	P OOL
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KIN 329-1- Body Conditioning I (CSU) - 1 Unit

Enrollment Requirement: Maximum of 4 enrollments in Kinesiology family

This introductory course provides students with the opportunity to learn and participate in a variety of exercises for increasing cardiovascular fitness, muscular strength, and flexibility.

Class No	Component	Start/End Time	Days	Instructor	Room
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10144	LAB	7:00 am - 9:30 am	MTWTh	Budinger, J E	C4-BASE
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KIN 329-2- Body Conditioning II (UC/CSU) - 1 Unit

Requirement Designation: Meets CSU E

Enrollment Requirement: Maximum of 4 enrollments in Kinesiology family

Students learn and participate in a variety of beginning level exercises for increasing cardiovascular fitness, muscular strength, and flexibility. This course builds on KIN 329-1.

11584	LAB	7:00 am - 9:30 am	MTWTh	Budinger, J E	C4-BASE
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KIN 329-3- Body Conditioning III (UC/CSU) - 1 Unit

Requirement Designation: Meets CSU E

Enrollment Requirement: Maximum of 4 enrollments in Kinesiology family

Students learn and participate in a variety of intermediate level exercises for increasing cardiovascular fitness, muscular strength, and flexibility. This course builds on KIN 329-2.

Kinesiology Athletics

KIN ATH 552- Intercollegiate Sports-Conditioning & Skills Training (CSU) (RPT 3) - 1 Unit

This course is designed for the student athlete. The following areas are emphasized: The analysis and training of athletic skills, the analysis of offensive and defensive systems, physical conditioning, strength training, and aerobic conditioning.

11227	LAB	4:40 pm - 6:45 pm	MTWThF	STAFF, L	G2-100
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Kinesiology Major

KIN MAJ 106- Sports Ethics (CSU) - 3 Units

Requirement Designation: Meets CSU C2

Students will learn the wide range of moral and ethical issues in sports. Topics include racial and gender equity, commercialization, use of ergogenic aids, eligibility, violence, sportsmanship, and code of ethics, using an examination of historical and current events.

12140	LEC	10:30 hrs/wk	TBA	Ratcliff, J E	ON LINE
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Labor Studies

LABR ST 004- Labor In America (UC/CSU) - 3 Units

Requirement Designation: Meets IGETC 4G CSU D7

Examines how labor organizations and labor laws impact workers, families and American society focusing on worksite-related issues such as job security, income, workers' rights, immigration and role of unions.

Class No	Component	Start/End Time	Days	Instructor	Room
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11921	LEC	9:55 am - 12:25 pm	MTWTh	Siegel, L	F5-315
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LABR ST 021- The Working Class And Cinema (UC/CSU) - 3 Units

Requirement Designation: Meets IGETC 3B CSU C2

This course will examine and analyze how feature film portrayals of the working class and labor unions may shape public perception.

11228	LEC	10:30 hrs/wk	TBA	Wills, E R	ON LINE
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LABR ST 101- Introduction To Unions (CSU) - 1 Unit

Overview of union impact on wages, benefits, working conditions and public policies by industry. Surveys basic union structures, operation and governance.

11076	LEC	2:20 pm - 5:40 pm	Th	Siegel, L	F5-208
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Class meeting dates: 1/9/20, 1/16/20, 1/23/20, 1/30/20, and 2/6/20

Management

MGMT 013- Small Business Entrepreneurship (CSU) - 3 Units

This course provides a systematic approach to developing and operating a successful small business. The areas of study include: personal qualifications for starting and managing a small business, determining the market opportunity, legal procedures, planning and marketing the business, location factors, capital requirements, protective factors to provide for risk, and personnel management. Students gain experience through the development of a business plan.

11412	LEC	10:30 hrs/wk	TBA	Mcintosh, A U	ON LINE
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Mathematics

MATH 125S- Intermediate Algebra With Support - 5 Units

Enrollment Requirement: Advisory: MATH 115

This course includes a mandatory lab component to review topics from prealgebra and elementary algebra. This course strengthens and further develops manipulative skills in elementary algebra. Topics include the fundamental operations on algebraic expressions, solutions of equations and inequalities, exponentiation, graphs of algebraic, exponential and logarithmic functions, systems of equations and inequalities, and an introduction to the conic sections. Applications are included in a wide variety of word problems.

12225	LEC	7:00 am - 9:50 am	MTWThF	Hersi, A F	F5-308
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AND

12229	LAB	9:50 am - 11:05 am	MTWThF	Hersi, A F	F5-308
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12227	LEC	11:00 am - 1:50 pm	MTWThF	Webster, K	F5-413
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AND

12228	LAB	1:50 pm - 3:05 pm	MTWThF	Webster, K	F5-413
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2020 Winter SCHEDULE

LA Trade-Technical College

Class No	Component	Start/End Time	Days	Instructor	Room
12275	LEC	12:30 pm - 3:20 pm	MTWThF	Ghacham, M A	F5-312
AND					
12276	LAB	3:20 pm - 4:35 pm	MTWThF	Ghacham, M A	F5-312
12277	LEC	5:00 pm - 7:50 pm	MTWThF	Dagher, G N	F5-412
AND					
12278	LAB	7:50 pm - 9:05 pm	MTWThF	Dagher, G N	F5-412

MATH 137- Pre-Statistics Algebra - 5 Units

Enrollment Requirement: Advisory: MATH 110 or 112

Math 137 is a prerequisite solely for Math 227. It is an introduction to the concepts of algebra and basic elements of exploratory data analysis. Topics include arithmetic operations with signed numbers, properties of real numbers, algebraic expressions, solving linear equations and inequalities, graphing linear equations and inequalities in two variables, solving systems of linear equations and inequalities, exponents, polynomials, factoring, rational expressions, roots, radicals, methods of solving quadratic equations, solving a variety of word problems, data analysis, sample statistics and graphs, measures of central tendency and spread, probability, and exponential and logarithmic functions.

12169	LEC	7:00 am - 10:30 am	MTWThF	Lopez, A E	F5-310
12170	LEC	11:00 am - 2:30 pm	MTWThF	Zinenberg, V	F5-306
12114	LEC	12:50 pm - 4:20 pm	MTWThF	Dominguez, C C	F5-308
12168	LEC	4:00 pm - 7:30 pm	MTWThF	Barrow, O L	F5-306

MATH 227S- Statistics with Support (UC/CSU) - 4 Units

Requirement Designation: Meets IGETC 2A CSU B4

Enrollment Requirement: Prerequisite: MATH 125 or MATH 125S or placement in M1, M2, M5, M6, or M9

This course is an introduction to probability, measures of central tendency and dispersion, descriptive and inferential statistics including sampling, estimation, and hypothesis testing. Analysis of variance, chi-square and student t-distributions, linear correlation, and regression analysis are also presented as topics.

12261	LEC	7:00 am - 9:50 am	MTWThF	Cuellar, M	F5-410
AND					
12262	LAB	9:50 am - 10:55 am	MTW	Cuellar, M	F5-410
12264	LEC	11:00 am - 1:50 pm	MTWThF	Bayssa, B T	F5-310
AND					
12265	LAB	1:50 pm - 2:55 pm	MTW	Bayssa, B T	F5-310

Class No	Component	Start/End Time	Days	Instructor	Room
12266	LEC	12:30 pm - 3:05 pm	MTWThF	Vallejo, J	F5-410
AND					
12280	LAB	3:05 pm - 4:10 pm	MTW	Vallejo, J	F5-410
12272	LEC	5:00 pm - 7:50 pm	MTWThF	Fong, P	F5-308
AND					
12273	LAB	7:50 pm - 8:55 pm	MTW	Fong, P	F5-308

MATH 241S- Trigonometry with Vectors with Support (CSU) - 4 Units

Enrollment Requirement: Prerequisite: MATH 125

This course includes the study of the trigonometric functions and their inverses; measurement of angles in degrees and in radians; evaluating triangles; solutions of trigonometric equations; verification of trigonometric identities; vectors; complex numbers; graphing trigonometric functions and polar curves.

12232	LEC	7:00 am - 10:30 am	MTWTh	Simpson-Rodgers, N	F5-406
AND					
12274	LAB	10:30 am - 11:35 am	MTW	Simpson-Rodgers, N	F5-406

MATH 260- Precalculus (UC/CSU) - 5 Units

Requirement Designation: Meets IGETC 2A CSU B4

Enrollment Requirement: Prerequisite: MATH 240 or Placement in M1 or M2

This course combines college algebra, trigonometry, and introduction to analytic-geometry. Topics in algebra include polynomial, rational, exponential and logarithmic functions; mathematical induction, systems of equations, matrices, partial fractions, and sequences. Topics in trigonometry include basic trigonometric functions; inverse trigonometry; and trigonometric equations and identities.

12171	LEC	11:00 am - 2:30 pm	MTWThF	Maheta-Wells, P	F5-415
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MATH 270- Linear Algebra (UC/CSU) - 3 Units

Requirement Designation: Meets IGETC 2A CSU B4

Enrollment Requirement: Prerequisite: MATH 266

Math 270 develops the techniques and theory needed to solve and classify systems of linear equations. Solution techniques include row operations, Gaussian elimination, and matrix algebra. Investigates the properties of vectors in two and three dimensions, leading to the notion of an abstract vector space. Vector space and matrix theory are presented including topics such as inner products, norms, orthogonality, eigenvalues, eigenspaces, linear transformations, and diagonalization. Selected applications of linear algebra are included.

10616	LEC	7:00 am - 9:30 am	MTWTh	Avila, L F	F5-415
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Nursing, Registered

REGNRSG 119- Introduction To Nursing - 1 Unit

This course will introduce nursing students to the RN Program Conceptual Framework, and ethics as applied to nursing. It will identify student learning styles and guide students in study and test taking techniques to

Class No	Component	Start/End Time	Days	Instructor	Room
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promote success in the program.

10215	LEC	8:00 am - 9:30 am	TTh	Ashby, C M	B3-207
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REGNRSG 125- Nursing Pharmacology (CSU) - 2 Units

This course focuses on the effects of drug therapy on human body systems. The body systems include: the central nervous system, autonomic nervous, cardiovascular, renal, endocrine, respiratory and Gastro-intestinal systems. Also included are anti-infective, anti-inflammatory, immune and biological modifiers, chemotherapeutic, hematological, dermatologic, ophthalmic and otic agents. The students will learn and practice principles of medication administration.

10332	LEC	12:00 pm - 1:10 pm	MTWTh	Chandler, C C	B3-207
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AND

10340	LAB	1:10 pm - 2:20 pm	MTWTh	Chandler, C C	B3-207
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Physics

PHYSICS 006- General Physics I (UC/CSU) - 4 Units

Requirement Designation: Meets IGETC 5A 5C CSU B1 B3

Enrollment Requirement: Prerequisite: MATH 240

This is the first course of a two semester sequence and considers the fundamental principles and applications of classical mechanics, gravitation, thermodynamics, fluids, periodic motion and waves at the algebra/trigonometry level of mathematical sophistication. The laboratory includes both quantitative and qualitative experiments which permit students to verify, illustrate, and deduce various laws of physics.

10234	LEC	4:00 pm - 6:30 pm	MTWTh	De, R	B3-305
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AND

10240	LAB	6:40 pm - 9:10 pm	MTWTh	STAFF, L	C4-422
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PHYSICS 101- Physics For Engineers And Scientists I (UC/CSU) - 5 Units

Requirement Designation: Meets IGETC 5A 5C CSU B1 B3

Enrollment Requirement: Corequisite: MATH 265

Advisory: PHYSICS 011 or 012

Physics For Engineers And Scientists I

12066	LEC	8:00 am - 10:30 am	MTWTh	Klee, V	C4-422
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AND

12067	LAB	10:40 am - 4:05 pm	MTWTh	Klee, V	C4-422
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Plumbing

PLUMBNG 111- Introduction To Plumbing - 3 Units

This course surveys the history of the Plumbing Industry; Highlights occupational information, Evokes job ethics and instructs on career information; The course also covers occupational health and safety hazards, provides an overview of Plumbing systems, and introduces the tools of the trade.

12059	LAB	5:00 pm - 10:05 pm	MTWThF	STAFF, L	E2-252
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Class No	Component	Start/End Time	Days	Instructor	Room
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PLUMBNG 112- Fundamentals Of Plumbing - 3 Units

This course studies fundamentals of plumbing calculations and elementary drawings for beginners. Topics include pipe sizes and calculations, flow in pipe, friction design application, Instruction is given in the principles and design of water supply , fuel gas distribution, and D.W.V. (Drain,Waste and Vent).

12058	LEC	6:00 pm - 9:35 pm	MTW	STAFF, L	E2-200B
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Political Science

POL SCI 001- The Government Of The United States (UC/CSU) - 3 Units

Requirement Designation: Meets IGETC 4H CSU D8

The Government Of The United States

11165	LEC	9:40 am - 12:10 pm	MTWTh	Elac, J	F5-208
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Note: Instructor J. Elac will replace Instructor S. Sanchez as the "Instructor of Record."

10678	LEC	6:00 pm - 8:30 pm	MTWTh	Tabakian, J P	F5-120
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Psychology

PSYCH 001- General Psychology I (UC/CSU) - 3 Units

Requirement Designation: Meets IGETC 4I CSU D9

Enrollment Requirement: Prerequisite: English 028 or English 101 or English 101 Placement

Psychology is the scientific study of behavior and mental processes. The content focuses on the exploration of major psychological theories and concepts, methods, and research findings in psychology. Topics include but are not limited to the biological bases of behavior, perception, cognition and consciousness, learning, memory, emotion, motivation, development, personality, social psychology, psychological disorders and therapeutic approaches, and applied psychology.

10928	LEC	6:00 pm - 8:30 pm	MTWTh	Bentley, M J	F5-213
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10925	LEC	10:30 hrs/wk	TBA	Koritzke, L S	ON LINE
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PSYCH 002- Biological Psychology (UC/CSU) - 3 Units

Requirement Designation: Meets IGETC 5B CSU B2

Enrollment Requirement: Prerequisite: PSYCH 001

Advisory: English 28

This course introduces the scientific study of the biological bases of behavior and its fundamental role in the neurosciences. Physiological, hormonal, and neurochemical mechanisms, and brain-behavior relationships underlying the psychological phenomena of sensation, perception, regulatory processes, emotion, learning, memory, and psychological disorders will be addressed. The course also notes historical scientific

Class No	Component	Start/End Time	Days	Instructor	Room
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contributions and current research principles for studying brain-behavior relationships and mental processes. Ethical standards for human and animal research are discussed in the context of both invasive and non-invasive experimental research.

11601	LEC	10:30 hrs/wk	TBA	Wimsatt, C Y	ON LINE
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Public Relations

PUB REL 001- Principles Of Public Relations (CSU) - 3 Units

Principles Of Public Relations

12160	LEC	10:30 hrs/wk	TBA	STAFF, L	ON LINE
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Refrig & Air Condition Mechan

REF A/C 188- Servicing II - 3 Units

Topics covered in this course include: electrical diagrams for testing control circuits; the total electrical system and protection devices on package units; analysis of failure and compressor motor burnout cleanup procedures.

10302	LEC	6:00 pm - 9:35 pm	MTW	STAFF, L	E2-203
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Sign Graphics

SGNGRPH 203- Silk Screen Processing I (RPT 1) - 2 Units

This course will provide an introduction to the screen printing trade. Students will learn to make silk screens and will learn about copy preparation, mesh selection, frames, stencil systems, printing techniques, ink & substrate compatibility, reclamation of screens. Students will print on a variety of surfaces.

11503	LAB	7:00 am - 11:15 am	MTWThF	Johnson, B T	B4-230
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SGNGRPH 204- Silk Screen Processing II - 2 Units

Enrollment Requirement: Prerequisite: SGNGRPH 203

Advisory: SGNGRPH 205

Students will be introduced to the use of solvent based inks; including; color mixing, application, and clean-up. This course also offers practice on a variety of substrates and uses including four color process printing.

11504	LAB	7:00 am - 11:15 am	MTWThF	Johnson, B T	B4-230
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Sociology

SOC 001- Introduction To Sociology (UC/CSU) - 3 Units

Requirement Designation: Meets IGETC 4J CSU D0

Introduction To Sociology

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Class No	Component	Start/End Time	Days	Instructor	Room
10648	LEC	7:00 am - 9:30 am	MTWTh	McClain, F	F5-107
10655	LEC	9:40 am - 12:10 pm	MTWTh	STAFF, L	F5-213
10663	LEC	3:10 pm - 5:40 pm	MTWTh	Tweini, H	F5-107

SOC 002- American Social Problems (UC/CSU) - 3 Units

Requirement Designation: Meets IGETC 4J CSU D0

American Social Problems

12173	LEC	10:30 hrs/wk	TBA	Garcia, J A	ON LINE
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Spanish

SPANISH 001- Elementary Spanish I (UC/CSU) - 5 Units

Requirement Designation: Meets IGETC 6A CSU C2

An introductory course for students who have had little or no oral or written knowledge of Spanish. Students develop listening, speaking, reading, and writing skills in communicative contexts that are focused on the cultures of the Spanish-speaking world. Upon successful completion of this course students are able to understand and engage in simple conversations on familiar topics. Conducted primarily in Spanish.

12063	LEC	7:00 am - 10:20 am	MTWThF	Quinones, H C	F5-120
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Supply Water Technology

WATER 102- Calculations And Measurement For Water Technology Programs - 3 Units

This course covers the basic math skills needed to perform in the supply & waster water fields. Emphasis is placed on the basic operations and how they are applied to the industry. Measurement calculations will be performed in both standard and metric measurements.

11816	LEC	6:00 pm - 9:30 pm	MTW	STAFF, L	B1-216
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Theater

THEATER 100- Introduction To The Theater (UC/CSU) - 3 Units

Requirement Designation: Meets IGETC 3A 3B CSU C1

Students will survey and appreciate the art of theatre. The students are provided a wider basis for both evaluation and enjoyment of the theatrical experience. Students examine all elements of live theatre, its cultural and historical background, the contributions of various theatre artists, and its overall purpose and influence within our society. Students explore all aspects of play production: playwriting, directing, acting,

2020 Winter SCHEDULE

LA Trade-Technical College

Class No	Component	Start/End Time	Days	Instructor	Room
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criticism, theatre architecture, set design, costume design, lighting design, and the role of the audience.

10281	LEC	9:40 am - 12:10 pm	MTWTh	Horn, M L	F5-301
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Welding Gas And Electric

WELDG/E 204- Introduction To Arc Welding - 1 Unit

Introduction To Arc Welding

11190	LEC	7:00 am - 7:50 am	MT	STAFF, L	B1-156
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AND

11191	LAB	8:00 am - 10:50 am	MT	STAFF, L	B1-156
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