

2025 Winter SCHEDULE

LA Trade-Technical College

Academic Preparation

ACAD PR 003CE- Language Arts: Writing Essays (Repeatable) - 0 Unit

Language Arts: Writing Essays

Class No	Component	Start/End Time	Days	Instructor	Room
11852	LEC	1:00 pm - 2:30 pm	MW	Franco, F	F5-212
And	LEC	2:15 hrs/wk	TBA	Franco, F	ONLINE

All textbooks/readings will be provided free of cost.
(Starts 01/07/2025, Ends 02/09/2025)

African American Studies

AFRO AM 004- The African American In The History Of The U.S. I (UC/CSU) - 3 Units

Requirement Designation: Meets IGETC-4 or 7; CSU-D or F

Enrollment Requirement: Advisory: ENGLISH 101

Students analyze historiographical issues in African American history and how black Americans were active agents in creating their own history from Africa to the Civil War. Emphasis is placed on the African background of African Americans, the institution of slavery, the development of African American community institutions, and African American participation in, and impact on, the Civil War.

Class No	Component	Start/End Time	Days	Instructor	Room
11793	LEC	10:30 hrs/wk	TBA	Akinyela, I J	TONLINENO

No real-time meetings are required. All activities are online.

AFRO AM 005- The African American in the History of the U.S. II (UC/CSU) - 3 Units

Requirement Designation: Meets IGETC-4 or 7; CSU-D or F

Enrollment Requirement: Advisory: AFRO AM 005

This course centers on the lived experiences of those of African descent from the Reconstruction Era to the present. This course examines the Reconstruction period and analyzes both the twentieth century and early twenty-first century black progress movements in the contexts of race, equity, gender, Black feminism, and social justice in contemporary black history. This course documents the laws, policies, and culture that negatively impacted African Americans and helps students understand the theories and motivations behind racial behavior and race-based social patterns and attitudes that forged U.S. political, social, and economic inter-race relations from 1865 to the present. Included is a survey of the U. S. Constitution.

Class No	Component	Start/End Time	Days	Instructor	Room
12320	LEC	10:30 hrs/wk	TBA	Akinyela, I J	TONLINENO

No real-time meetings are required. All activities are online.

12363	LEC	10:30 hrs/wk	TBA	Taylor, D M	TONLINENO
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No real-time meetings are required. All activities are online.

American Sign Language

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

Requirement Designation: Meets IGETC 6A; CSU C2

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American Sign Language I

Class No	Component	Start/End Time	Days	Instructor	Room
10004	LEC	9:40 am - 1:30 pm	TTh	Velez, M	F5-208
And	LEC	6:10 hrs/wk	TBA	Velez, M	TONLINENO

Some in person meetings are required as scheduled. The remaining activities are online.

Anthropology

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

Requirement Designation: Meets IGETC 5B; CSU B2

Enrollment Requirement: Advisory: ENGLISH 101

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.

Class No	Component	Start/End Time	Days	Instructor	Room
11433	LEC	10:30 am - 1:20 pm	MTWTh	Motkin, I R	F5-315

10314 LEC 10:30 hrs/wk TBA Garcia, S A TONLINENO

No real-time meetings are required. All activities are online.

12494 LEC 10:30 hrs/wk TBA Garcia, S A TONLINENO

No real-time meetings are required. All activities are online.

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.

Class No	Component	Start/End Time	Days	Instructor	Room
11276	LEC	9:40 am - 12:30 pm	MTWTh	Mirkovich, M Z	F5-111

11436 LEC 10:30 hrs/wk TBA Smith, J TONLINENO

No real-time meetings are required. All activities are online.

12465 LEC 10:30 hrs/wk TBA Derro, B A TONLINENO

No real-time meetings are required. All activities are online.

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.

Class No	Component	Start/End Time	Days	Instructor	Room
10164	LEC	4:00 pm - 6:50 pm	MTWTh	Moreno, M A	TONLINELIV

Real-time meetings are required as scheduled. All activities are online.

10714	LEC	10:30 hrs/wk	TBA	Wilson, J B	TONLINENO
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No real-time meetings are required. All activities are online.

All textbooks/readings will be provided free of cost.

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
10189	LAB	7:00 pm - 9:50 pm	MTWTh	Moreno, M A	TONLINELIV

Real-time meetings are required as scheduled. All activities are online.

Automotive Collision Repair

AUTOCOR 148- Paint Preparation And Application - 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.

Class No	Component	Start/End Time	Days	Instructor	Room
10915	LEC	2:00 pm - 2:50 pm	MTWTh	Ferre, B E	B1-132
AND					
10916	LAB	3:00 pm - 8:25 pm	MTWTh	Ferre, B E	B1-100

AUTOCOR 227- Auto Body And Fender II - 3 Units

This course offers advanced training in refinishing, color mixing and matching of OEM (Original Equipment manufacturer) color codes. Proper paint gun operation and use of air pressure and spray patterns are emphasized, as well as VOC (Volatile Organic Compounds) log calculation systems. Students will learn to repair/repaint as required to I-CAR and industry standards. This course will emphasize on the STAR Training Program whose goal is to train technicians to reduce material consumption costs and pollution through increased spray efficiency.

Class No	Component	Start/End Time	Days	Instructor	Room
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12474	LEC	7:00 am - 7:50 am	MTWTh	Jakahi, J K	B1-132
AND					
12475	LAB	8:00 am - 1:25 pm	MTWTh	Jakahi, J K	B1-100

AUTOCOR 921- Cooperative Education - Automotive Collision Repair (Repeatable) - 2 Units

Cooperative Education - Automotive Collision Repair

Class No	Component	Start/End Time	Days	Instructor	Room
10675	LEC	6:50 hrs/wk	TBA	Guerra, J	TONLINENO

No real-time meetings are required. All activities are online.

Automotive Mechanics Tech

AUTORTK 100- Heating And Air Conditioning Systems Theory, Inspection & Rpr (CSU) - 3 Units

Instruction is offered in the area of (HVAC) heating, ventilation & air conditioning systems, with emphasis on function & testing of heater controls, heater cores, air conditioning compressors, clutch & controls.

Class No	Component	Start/End Time	Days	Instructor	Room
11026	LEC	7:00 am - 7:50 am	MTWTh	McFall, T J	B1-122

This class will meet in-person for both lecture and laboratory sessions

AUTORTK courses may be taken in any order

AND					
11027	LAB	8:00 am - 1:50 pm	MTWTh	McFall, T J	B1-104

This class will meet in-person for both lecture and laboratory sessions

AUTORTK courses may be taken in any order

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.

Class No	Component	Start/End Time	Days	Instructor	Room
10532	LEC	7:00 am - 7:50 am	MTWTh	Taba, R A	B1-130

This class will meet in-person for both lecture and laboratory sessions

AUTORTK courses may be taken in any order

AND					
10533	LAB	8:00 am - 1:50 pm	MTWTh	Taba, R A	B1-130

This class will meet in-person for both lecture and laboratory sessions

AUTORTK courses may be taken in any order

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.

Class No	Component	Start/End Time	Days	Instructor	Room
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11030 LEC 7:00 am - 7:50 am MTWTh Cantillano, J B1-128
 This class will meet in-person for both lecture and laboratory sessions

AUTORTK courses may be taken in any order

AND
 11031 LAB 8:00 am - 1:50 pm MTWTh Cantillano, J B1-108
 This class will meet in-person for both lecture and laboratory sessions

AUTORTK courses may be taken in any order

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.

Class No	Component	Start/End Time	Days	Instructor	Room
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10678 LEC 7:00 am - 7:50 am MTWTh Ramirez, J L B1-120
 This class will meet in-person for both lecture and laboratory sessions

AUTORTK courses may be taken in any order

AND
 10679 LAB 8:00 am - 1:50 pm MTWTh Ramirez, J L B1-104
 This class will meet in-person for both lecture and laboratory sessions

AUTORTK courses may be taken in any order

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 stressed in this course.

Class No	Component	Start/End Time	Days	Instructor	Room
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10912 LEC 7:00 am - 7:50 am MTWTh Mostafa, O B1-116
 This class will meet in-person for both lecture and laboratory sessions

AUTORTK courses may be taken in any order

AND
 10913 LAB 8:00 am - 1:50 pm MTWTh Mostafa, O B1-106
 This class will meet in-person for both lecture and laboratory sessions

AUTORTK courses may be taken in any order

AUTORTK 144- California State Bureau Of Automotive Repair Smog Inspector - 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.

Class No	Component	Start/End Time	Days	Instructor	Room
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11028 LEC 7:00 am - 7:50 am MTWTh Rios, M B1-124
 This class will meet in-person for both lecture and laboratory sessions

AUTORTK courses may be taken in any order

AND
 11029 LAB 8:00 am - 1:50 pm MTWTh Rios, M B1-106

This class will meet in-person for both lecture and laboratory sessions

AUTORTK courses may be taken in any order

AUTORTK 921- Cooperative Education - Automotive And Related Technology (Repeatable) - 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).

Class No	Component	Start/End Time	Days	Instructor	Room
10677	LEC	6:50 hrs/wk	TBA	Guerra, J	TONLINENO

Cooperative education courses require that you are either

1) actively employed

OR

2) Volunteering or participating in an internship

For questions, please contact the professor for details: guerraj2@lattc.edu

No real-time meetings are required. All activities are online.

Basic Skills

BSICKL 002CE- Developing English Composition Skills (Repeatable) - 0 Unit

Developing English Composition Skills

Class No	Component	Start/End Time	Days	Instructor	Room
11441	LEC	8:00 am - 10:30 am	MTWTh	STAFF, L	F5-210

11440	LEC	6:00 pm - 8:30 pm	MTWTh	STAFF, L	TONLINELIV
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Real-time meetings are required as scheduled. All activities are online.

BSICKL 035CE- Basic Math Skills (Repeatable) - 0 Unit

Basic Math Skills

Class No	Component	Start/End Time	Days	Instructor	Room
11516	LEC	8:00 am - 9:05 am	MTW	STAFF, L	TONLINELIV

Real-time meetings are required as scheduled. All activities are online.

AND

11517	LAB	8:00 am - 10:50 am	Th	STAFF, L	TONLINELIV
And	LAB	9:20 am - 10:35 am	MTW	STAFF, L	TONLINELIV

Real-time meetings are required as scheduled. All activities are online.

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11455 LEC 6:00 pm - 7:05 pm MTW STAFF, L TONLINELIV

Real-time meetings are required as scheduled. All activities are online.

AND

11442 LAB 6:00 pm - 8:50 pm Th STAFF, L TONLINELIV
 And LAB 7:25 pm - 8:40 pm MTW STAFF, L TONLINELIV

Real-time meetings are required as scheduled. All activities are online.

BSICSKL 060CE- Basic Computer Literacy (Repeatable) - 0 Unit

This is a basic computer skills class for students with no previous computer training or experience. It is designed to assist students understand the basic computer hardware and the computer operating system. The class will also focus on developing basic computer skills using Microsoft Word and becoming familiar with online search engines including sending and receiving e-mails.

Class No	Component	Start/End Time	Days	Instructor	Room
11951	LEC	8:30 am - 9:20 am	TWTh	STAFF, L	TONLINELIV
AND					
11952	LAB	9:45 am - 11:35 am	TWTh	STAFF, L	TONLINELIV
And	LAB	0:50 hrs/wk	TBA	STAFF, L	TONLINENO

This class will be offered in an online blended format, which requires students to be online and interacting with their instructor during the times shown and to work online independently each week for the amount of TBA time shown in addition to completing assignments.

11505 LEC 12:00 pm - 12:50 pm MTWTh STAFF, L D3-109N
AND
 11506 LAB 1:00 pm - 2:20 pm MTWTh STAFF, L C4-208
 And LAB 0:50 hrs/wk TBA STAFF, L TONLINENO
 11457 LEC 6:00 pm - 6:50 pm TWTh STAFF, L TONLINELIV

This class will be offered in an online blended format, which requires students to be online and interacting with their instructor during the times shown and to work online independently each week for the amount of TBA time shown in addition to completing assignments.

AND

11461 LAB 7:15 pm - 8:45 pm TWTh STAFF, L TONLINELIV
 And LAB 1:15 hrs/wk TBA STAFF, L TONLINENO

This class will be offered in an online blended format, which requires students to be online and interacting with their instructor during the times shown and to work online independently each week for the amount of TBA time shown in addition to completing assignments.

11458 LEC 6:00 pm - 7:05 pm TWTh STAFF, L D3-109N
AND
 11462 LAB 7:15 pm - 8:45 pm TWTh STAFF, L D3-109N
 And LAB 1:15 hrs/wk TBA STAFF, L TONLINENO

BSICSKL 075CE- Introduction To Post-Secondary Education (Repeatable) - 0 Unit

Introduction To Post-Secondary Education

Class No	Component	Start/End Time	Days	Instructor	Room
12451	LEC	10:00 am - 1:00 pm	Sa		D3-109
And	LEC	1:15 hrs/wk	TBA		TONLINENO

This course is for participants in the United Way of Greater Los Angeles Mentorship program.

Some in person meetings are required as scheduled. The remaining activities are online.
 (Starts 01/22/2025, Ends 01/29/2025)

Biology

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

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

Introduction To Human Biology

Class No	Component	Start/End Time	Days	Instructor	Room
12462	LEC	8:00 am - 10:25 am	MTWTh	Abdulmalek, S	C4-468
AND					
12463	LAB	10:35 am - 1:00 pm	MTWTh	Abdulmalek, S	C4-468

Bldg Construction Techniques

BLDGCTQ 102- O.S.H.A. Based Safety Standards: Construction & Industry (CSU) - 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.

Class No	Component	Start/End Time	Days	Instructor	Room
10681	LEC	6:00 pm - 9:20 pm	WTh	Alvarez, J L	TONLINELIV

Real-time meetings are required as scheduled. All activities are online.

BLDGCTQ 600- Green Jobs for the AEC Industry Cluster (CSU) (RPT 2) - 3 Units

This is an Architecture, Engineering and Construction Industry Cluster (AEC) course. Students learn the interconnection of all phases for the life cycle of green buildings, infrastructure and smart cities. This course is a comprehensive framework generating professionals going into the green jobs for the architecture, engineering, construction management, product manufacturing, environmental design and assistants for project administration, document control, safety supervision, cost estimating, labor compliance and quality controls. Through interactive dialog, students learn from experts speakers in the fields. During the course students obtain industry certifications on Computer Aided Design/Drafting (CAD), Building Information Modeling (BIM), Construction Specification Institute CSI and Geographical Information System (GIS). Development of personal soft skills, resume and portfolio is also covered in this class. Students become workforce asset for archiving the Sustainable Design Goals and 'just transition projects'.

Class No	Component	Start/End Time	Days	Instructor	Room
12536	LAB	8:00 am - 4:10 pm	TWTh	Oliva, M	C2-109

Students can choose to join each scheduled class session in person or online live.

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 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

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business's ability to achieve its organizational goals.

Class No	Component	Start/End Time	Days	Instructor	Room
10372	LEC	10:30 hrs/wk	TBA	Sonnier, G D	TONLINENO

No real-time meetings are required. All activities are online.

BUS 005- Business Law I (UC/CSU) - 3 Units

Business Law I

Class No	Component	Start/End Time	Days	Instructor	Room
11007	LEC	9:00 am - 11:50 am	MTWTh	Gary, K L	C4-210

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.

Class No	Component	Start/End Time	Days	Instructor	Room
10702	LEC	6:50 hrs/wk	TBA	Wilson-Aus, A M	TONLINENO

No real-time meetings are required. All activities are online.

AND

10703	LAB	6:50 hrs/wk	TBA	Wilson-Aus, A M	TONLINENO
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No real-time meetings are required. All activities are online.

BUS 038- Business Computations (CSU) - 3 Units

A course designed to cover the fundamentals of mathematics in business. Practical problems in trade and cash discounts, interest, taxes, and insurance, accounting and finance, fractions and decimals, banking and payroll, and percentage applications.

Class No	Component	Start/End Time	Days	Instructor	Room
11814	LEC	12:45 pm - 3:35 pm	MTWTh	Gary, K L	C4-210

COUNSELING

COUNSEL 005- College Survival (CSU) (RPT 1) - 2 Units

Provides the students with information enabling them to succeed in college program. Emphasis will be placed on development of making informed decisions, study skills, time management, financial literacy, an understanding of college terminology, utilization of college support services and development of a Student Educational Plan (SEP).

Class No	Component	Start/End Time	Days	Instructor	Room
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11385 LEC 6:50 hrs/wk TBA STAFF, L TONLINENO

No real-time meetings are required. All activities are online.

Carpentry

CRPNTRY 105- Calculations And Measurement For Woodworking Students I - 3 Units

This course covers the basic math skills needed to perform in the construction field. Emphasis is placed on the basic operations and how they are applied to carpentry. Measurement calculations will be performed in both standard and metric measurements.

Class No	Component	Start/End Time	Days	Instructor	Room
11957	LEC	6:00 pm - 9:50 pm	MTW	Jordan, N C	TONLINELIV

Real-time meetings are required as scheduled. All activities are online.

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.

Class No	Component	Start/End Time	Days	Instructor	Room
10042	LEC	7:00 am - 1:30 pm	MT	Alvarez, J L	E2-102

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.

Class No	Component	Start/End Time	Days	Instructor	Room
11158	LAB	7:00 am - 1:50 pm	WThF	Wagenbach, A J	E2-105

In-Person Class.

Chemistry

CHEM 051- Fundamentals Of Chemistry I (UC/CSU) - 5 Units

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

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.

Class No	Component	Start/End Time	Days	Instructor	Room
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10901	LEC	11:00 am - 2:50 pm	MTWTh	Dhar, G	C4-424
AND					
10902	LAB	8:00 am - 10:50 am	MTWTh	Dhar, G	C4-466
11815	LEC	3:00 pm - 6:50 pm	MTWTh	Floruti, A R	C4-321
AND					
11816	LAB	7:00 pm - 9:50 pm	MTWTh	Floruti, A R	C4-464

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, nutrition, 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.

Class No	Component	Start/End Time	Days	Instructor	Room
10355	LEC	8:00 am - 10:50 am	MTWTh	Lee, H	C4-406
AND					
10358	LAB	11:00 am - 4:50 pm	MTWTh	Lee, H	C4-466

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, nutrition, 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
10363	LEC	2:00 pm - 4:50 pm	MTWTh	Acosta, M	C4-406
AND					
10365	LAB	5:00 pm - 10:50 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

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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.

Class No	Component	Start/End Time	Days	Instructor	Room
10571	LEC	10:00 am - 12:50 pm	MTWTh	Diaz, M	C4-321
AND 10572	LAB	1:00 pm - 6:50 pm	MTWTh	Diaz, M	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.

Class No	Component	Start/End Time	Days	Instructor	Room
10709	LEC	1:00 pm - 3:50 pm	MTWTh	Shukla, B	F5-107
AND 10716	LAB	7:00 am - 12:50 pm	MTWTh	Shukla, B	C4-464

Chicano Studies

CHICANO 007- The Mexican-American In The History Of The United States I (UC/CSU) - 3 Units

Requirement Designation: Meets IGETC-4; CSU-D or F

Enrollment Requirement: Advisory: ENGLISH 101

A survey of United States history as it relates to the development of the Chicano in the United States with a special emphasis on Mexican-American contributions to the development of American civilization. This course covers Pre-Columbian and Mexican colonial periods, the northward advance and settlement of the present day U.S. Southwest/Southeast. Topics also include a background in the political and social development of both the United States and Mexico, the role and impact of the American Revolution, U.S. Constitution, and the Bill of Rights.

Class No	Component	Start/End Time	Days	Instructor	Room
11456	LEC	10:30 hrs/wk	TBA	Victoria, J	TONLINENO

No real-time meetings are required. All activities are online.

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11949 LEC 10:30 hrs/wk TBA Agredano, F E TONLINENO

No real-time meetings are required. All activities are online.

Textbooks assigned to this class are less than \$50.

12020 LEC 10:30 hrs/wk TBA STAFF, L TONLINENO

No real-time meetings are required. All activities are online.

CHICANO 008- The Mexican-American In The History Of The United States II (UC/CSU) - 3 Units

Requirement Designation: Meets IGETC-4; CSU-D or F & US-1

Enrollment Requirement: Advisory: ENGLISH 101

Concentrates on Mexican American history of the nineteenth and twentieth centuries. Discussion centers on the participation, contributions, and experiences by Mexican Americans. Major areas include the socio-historical, political, judicial, legislative, economic and educational experiences. Topics include the Mexican American Southwest, the U.S Mexico War, American Expansionism, U.S. Treaties, U.S. Constitution, Bill of Rights, California Constitution, desegregation struggle, American Nativism, Mexican Repatriation, WWII, Zoot-Suit Riots, Bracero Program, Mexican American Labor Movement and the Chicano Movement and their impact on political participation. This course fulfills the American History and Institutions requirements under Social Sciences (Section D), both under U.S. History and Political science components.

Class No	Component	Start/End Time	Days	Instructor	Room
11584	LEC	10:30 am - 1:20 pm	MTWTh	STAFF, L	F5-312

12364 LEC 10:30 hrs/wk TBA Victoria, J TONLINENO

No real-time meetings are required. All activities are online.

Child Development

CH DEV 001- Child Growth And Development (UC/CSU) - 3 Units

Requirement Designation: Meets IGETC 4I; CSU D9 or E

Students examine the major physical, psychosocial, and cognitive/language developmental milestones for children, both typical and atypical, from conception through adolescence. There is an emphasis on interactions between maturational processes and environmental factors. While studying developmental theory and investigative research methodologies, students will observe children, evaluate individual differences and analyze characteristics of development at various stages.

Class No	Component	Start/End Time	Days	Instructor	Room
10917	LEC	10:30 hrs/wk	TBA	Maina, R G	TONLINENO

No real-time meetings are required. All activities are online.

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

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young children from birth to age 8. 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.

Class No	Component	Start/End Time	Days	Instructor	Room
11317	LEC	7:00 am - 9:50 am	MTWTh	Patron, A	TONLINELIV

Real-time meetings are required as scheduled. All activities are online.

CH DEV 010- Health, Safety And Nutrition (CSU) - 3 Units

Students learn about the laws, regulations, standards, policies and procedures and early childhood curriculum related to child health, safety and nutrition. The key components that ensure physical health, mental health, and safety for children and staff are identified along with importance of collaboration with families and health professional. The interrelationship of health, safety and nutrition and the impact on children's growth and development are key focuses

Class No	Component	Start/End Time	Days	Instructor	Room
11316	LEC	10:30 am - 1:20 pm	MTWTh	Patron, A	TONLINELIV

Real-time meetings are required as scheduled. All activities are online.

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.

Class No	Component	Start/End Time	Days	Instructor	Room
11318	LEC	10:30 hrs/wk	TBA	Maina, R G	TONLINENO

No real-time meetings are required. All activities are online.

Communication Studies

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

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.

Class No	Component	Start/End Time	Days	Instructor	Room
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11381	LEC	9:40 am - 12:30 pm	MTWTh	Mock, J C	F5-206
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10273	LEC	6:00 pm - 8:30 pm	MTWTh	Mock, J C	TONLINELIV
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Real-time meetings are required as scheduled. All activities are online.

10683	LEC	10:30 hrs/wk	TBA	McDermott, D A	TONLINENO
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No real-time meetings are required. All activities are online.

10272	LEC	10:30 hrs/wk	TBA	Glavan, J J	TONLINENO
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No real-time meetings are required. All activities are online.

Community Plan/Economic Dev

COMPLAN 032- Community Building Principles And Strategies (CSU) (RPT 3) - 1 Unit

This course provides students with a basic understanding of community building principles, strategies and tools for community and economic development.

Class No	Component	Start/End Time	Days	Instructor	Room
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12523	LEC	9:00 am - 2:50 pm	Sa	Coracero, S A	F5-201
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This class will be taught entirely in Spanish
(Starts 01/11/2025, Ends 01/25/2025)

COMPLAN 038- Developing Social Networks For Community Building (CSU) - 1 Unit

This course examines digital and online efforts of community organizations to build community leadership and civic engagement. Students will focus on how technological applications may provide more effective and efficient pathways for community organizations to communicate with their stakeholders and reach their strategic goals and manage communication efforts in a digital world.

Class No	Component	Start/End Time	Days	Instructor	Room
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12450	LEC	6:00 pm - 9:20 pm	W	STAFF, L	F5-221
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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.

Class No	Component	Start/End Time	Days	Instructor	Room
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11220	LEC	9:00 am - 5:50 pm	M	Torres, B	F5-215
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COMPLAN 102- Cultivating Consciousness: Reflection Of The Self In Community As An Organizer - 1 Unit

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Community organizers will explore issues of race, class and privilege and its impact on the self and communities. Students will learn skills and knowledge related to group dynamics, sustainability, self analysis and macro and micro issues related to the role of community organizers.

Class No	Component	Start/End Time	Days	Instructor	Room
12452	LEC	9:30 am - 12:50 pm	Sa	Torres, E	F5-221

Computer Apps Office Tech

CAOT 007- Machine Transcription (RPT 0) - 3 Units

Machine Transcription

Class No	Component	Start/End Time	Days	Instructor	Room
11806	LEC	6:50 hrs/wk	TBA	Randall, A K	TONLINENO

No real-time meetings are required. All activities are online.

AND

11807	LAB	6:50 hrs/wk	TBA	Randall, A K	TONLINENO
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No real-time meetings are required. All activities are online.

CAOT 082- Microsoft Office Suite (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.

Class No	Component	Start/End Time	Days	Instructor	Room
10006	LEC	6:50 hrs/wk	TBA	Randall, A K	TONLINENO

No real-time meetings are required. All activities are online.

AND

10008	LAB	10:30 hrs/wk	TBA	Randall, A K	TONLINENO
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No real-time meetings are required. All activities are online.

Computer Information Systems

CIS 120- Introduction to Databases (UC/CSU) - 3 Units

This course covers a complete presentation of database creation and management using Access. It includes database design, creation of tables, forms, queries, reports, macros, integrating data into a database, and using Structured Query Language (SQL).

Class No	Component	Start/End Time	Days	Instructor	Room
11320	LEC	6:50 hrs/wk	TBA	Pakbaz, M	TONLINENO

No real-time meetings are required. All activities are online.

AND

11321	LAB	6:50 hrs/wk	TBA	Pakbaz, M	TONLINENO
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No real-time meetings are required. All activities are online.

Computer Science

CS 116- Programming in C++ - 3 Units

Programming in C++

Class No	Component	Start/End Time	Days	Instructor	Room
10922	LEC	6:50 hrs/wk	TBA	Pakbaz, M	TONLINENO

Co Info 739 no longer exists. New class is CS 116

No real-time meetings are required. All activities are online.

AND

10923	LAB	6:50 hrs/wk	TBA	Pakbaz, M	TONLINENO
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Co Info 738 no longer exists New course name CS 116

No real-time meetings are required. All activities are online.

Coop Ed

COOP ED 295- Work Experience - General I (CSU) (Repeatable) - 2 Units

Work Experience - General I

Class No	Component	Start/End Time	Days	Instructor	Room
11008	LEC	6:50 hrs/wk	TBA	Dam, M C	TONLINENO

No real-time meetings are required. All activities are online.

Cosmetology

CSMTLGY 101- Introduction To Cosmetology - 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.

Class No	Component	Start/End Time	Days	Instructor	Room
10485	LEC	10:00 am - 12:45 pm	MTWTh	STAFF, L	B2-138

CSMTLGY 210- Introduction To Hair Coloring - 3 Units

Enrollment Requirement: Prerequisite: CSMTLGY 111 or BAR 113

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.

Class No	Component	Start/End Time	Days	Instructor	Room
10054	LEC	7:30 am - 8:45 am	MTWTh	Botma, S M	B2-238
AND					
10055	LAB	9:00 am - 1:10 pm	MTWTh	STAFF, L	B2-238
11749	LEC	4:00 pm - 5:15 pm	MTWTh	Young, C P	B2-247
AND					
11750	LAB	5:25 pm - 9:40 pm	MTWTh	Young, C P	B2-247

CSMTLGY 211- Intermediate Hair Coloring And Styling - 3 Units

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Enrollment Requirement: Prerequisite: CSMTLGY 111 or BAR 113

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.

Class No	Component	Start/End Time	Days	Instructor	Room
10064	LEC	7:30 am - 8:45 am	MTWTh	STAFF, L	B2-238
AND					
10067	LAB	9:00 am - 1:10 pm	MTWTh	STAFF, L	B2-238
12405	LEC	4:00 pm - 5:15 pm	MTWTh	STAFF, L	B2-247
AND					
12406	LAB	5:25 pm - 9:40 pm	MTWTh	STAFF, L	B2-247

CSMTLGY 214- Advanced Hair Coloring And Styling - 3 Units

Enrollment Requirement: Prerequisite: CSMTLGY 111 or BAR 113

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.

Class No	Component	Start/End Time	Days	Instructor	Room
11295	LEC	7:30 am - 8:45 am	MTWTh	STAFF, L	B2-247
AND					
11296	LAB	9:00 am - 1:10 pm	MTWTh	STAFF, L	B2-247
11752	LEC	4:00 pm - 5:15 pm	MTWTh	Young, C P	B2-247
AND					
11753	LAB	5:25 pm - 9:40 pm	MTWTh	Young, C P	B2-247

CSMTLGY 215- Contemporary Styling Techniques - 3 Units

Enrollment Requirement: Prerequisite: CSMTLGY 111 or BAR 113

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

Class No	Component	Start/End Time	Days	Instructor	Room
11297	LEC	7:30 am - 8:45 am	MTWTh	STAFF, L	B2-247
AND					
11298	LAB	9:10 am - 1:25 pm	MTWTh	STAFF, L	B2-123
12407	LEC	4:00 pm - 5:15 pm	MTWTh	STAFF, L	B2-247
AND					
12408	LAB	5:25 pm - 9:40 pm	MTWTh	STAFF, L	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.

Class No	Component	Start/End Time	Days	Instructor	Room
11299	LEC	7:30 am - 9:05 am	MTWTh	STAFF, L	B2-128
AND					
11300	LAB	9:15 am - 12:15 pm	MTWTh	STAFF, L	B2-123

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12403	LEC	4:00 pm - 5:35 pm	MTWTh	STAFF, L	B2-237
AND					
12404	LAB	5:45 pm - 8:10 pm	MTWTh	STAFF, L	B2-237

CSMTLGY 221- Advanced Makeup Techniques - 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.

Class No	Component	Start/End Time	Days	Instructor	Room
11338	LEC	7:30 am - 9:05 am	MTWTh	STAFF, L	B2-233
AND					
11339	LAB	9:15 am - 12:15 pm	MTWTh	STAFF, L	B2-233

Culinary Arts

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

Enrollment Requirement: 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.

Class No	Component	Start/End Time	Days	Instructor	Room
11011	LEC	8:00 am - 9:50 am	MTWTh	Damaso, S D	E3-206
AND					
11012	LAB	10:00 am - 3:25 pm	MTWTh	Damaso, S D	E3-210

CLN ART 112- Sanitation And Safety (CSU) - 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.

Class No	Component	Start/End Time	Days	Instructor	Room
11013	LEC	7:05 hrs/wk	TBA	Garnica Diaz, E	TONLINENO

No real-time meetings are required. All activities are online.

CLN ART 170- Culinary Nutrition (CSU) - 2 Units

This course provides a quick overview of applied culinary nutrition. Recipe and menu development including ingredient selection and cooking techniques will be discussed. Special diet (low fat, low sodium, diabetic, and caloric intake) will be discussed. Appropriate for food service professionals who would like to work as personal chefs, with sports teams, at spas and resorts, major hospital chains, entertainment or transportation industries or in health care.

Class No	Component	Start/End Time	Days	Instructor	Room
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11335 LEC 7:05 hrs/wk TBA Silberling, K E TONLINENO

No real-time meetings are required. All activities are online.

Diesel And Related Technology

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

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.

Class No	Component	Start/End Time	Days	Instructor	Room
11022	LEC	7:00 am - 9:50 am	MTWTh	Ramirez, M A	B1-118
AND					
11023	LAB	10:00 am - 12:50 pm	MTWTh	Ramirez, M A	B1-100

DIESLTK 921- Cooperative Education - Diesel And Related Technology (Repeatable) - 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).

Class No	Component	Start/End Time	Days	Instructor	Room
10676	LEC	6:50 hrs/wk	TBA	Guerra, J	TONLINENO

No real-time meetings are required. All activities are online.

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.

Class No	Component	Start/End Time	Days	Instructor	Room
10668	LEC	6:50 hrs/wk	TBA	Rochford, M M	TONLINENO

No real-time meetings are required. All activities are online.

AND					
10669	LAB	6:50 hrs/wk	TBA	Rochford, M M	TONLINENO

No real-time meetings are required. All activities are online.

DIGLMD 101- Fundamentals Of Digital Media (UC/CSU) - 3 Units

Students will survey a range of digital media technologies and analyze the ever-changing adaptations of digital media. Students will also participate in the production of digital media projects that will be designed to provide an introduction to a variety of digital media environments.

Class No	Component	Start/End Time	Days	Instructor	Room
11558	LEC	6:50 hrs/wk	TBA	Vulovich, N	TONLINENO

No real-time meetings are required. All activities are online.

AND

11559	LAB	6:50 hrs/wk	TBA	Vulovich, N	TONLINENO
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No real-time meetings are required. All activities are online.

DIGLMD 151- Introduction To Interface Design (UC/CSU) - 3 Units

Enrollment Requirement: Advisory: VISCOM 103

Students will develop an understanding of the core principles necessary to design successful and dynamic Graphical User Interfaces. Course covers the essentials of visual design: color theory, layout and composition, as well as interface behavior and user experience.

Class No	Component	Start/End Time	Days	Instructor	Room
12423	LEC	8:00 am - 10:10 am	MTW	Guebely, G	D4-200
12424	LAB	10:20 am - 12:30 pm	MTW	Guebely, G	D4-200

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.

Class No	Component	Start/End Time	Days	Instructor	Room
10163	LEC	6:00 pm - 10:15 pm	MT	Elarton-Selig, W D	TONLINELIV

Real-time meetings are required as scheduled. All activities are online.

11409	LEC	6:00 pm - 9:20 pm	TW	Iadevaia, R E	TONLINELIV
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Real-time meetings are required as scheduled. All activities are online.

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.

Class No	Component	Start/End Time	Days	Instructor	Room
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10178	LEC	7:00 am - 10:35 am	MTW	Goluza, B	TONLINELIV
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Real-time meetings are required as scheduled. All activities are online.

11162	LEC	7:00 am - 10:35 am	MTW	Maroufkhani, F F	TONLINELIV
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10169	LEC	6:00 pm - 9:50 pm	MTW	Goluza, B	TONLINELIV
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Real-time meetings are required as scheduled. All activities are online.

11161	LEC	6:00 pm - 9:35 pm	MTW	Dominguez, J M	E2-353
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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.

Class No	Component	Start/End Time	Days	Instructor	Room
10530	LAB	7:00 am - 11:25 am	MTWThF	Estrada, R	E2-353
11163	LAB	11:30 am - 3:55 pm	MTWThF	Sylvers, A P	E2-353
10181	LAB	5:30 pm - 9:45 pm	MTWThF	Aguilar, A	E2-301

ECONMT 117- Elementary Circuit Practices (CSU) - 4 Units

This course offers instruction in the drawing and analysis of wiring plans, wiring diagrams, and ladder diagrams. Including the wiring of both low and high voltage circuits utilizing: push button, single pole, standard three way, coast three way, standard four way, coast four way, and master switching systems.

Class No	Component	Start/End Time	Days	Instructor	Room
12410	LAB	7:00 am - 3:50 pm	MTWThF	Kallo, J S	E2-301

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.

Class No	Component	Start/End Time	Days	Instructor	Room
10014	LEC	7:00 am - 10:50 am	MTW	Dominguez, J M	E2-302

In-person class.

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10016	LEC	1:00 pm - 4:50 pm	MTW	Pelayo, H	TONLINELIV
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Real-time meetings are required as scheduled. All activities are online.

10680	LEC	6:00 pm - 9:50 pm	MTW	Lester, J B	TONLINELIV
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Real-time meetings are required as scheduled. All activities are online.

12421	LEC	6:00 pm - 9:35 pm	MTW	Sussman, D A	E2-351
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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.

Class No	Component	Start/End Time	Days	Instructor	Room
12412	LEC	1:00 pm - 4:35 pm	MTW	Lester, J B	TONLINELIV
12419	LEC	6:00 pm - 9:35 pm	MTW	Pelayo, H	TONLINELIV
12420	LEC	6:00 pm - 9:35 pm	MTW	Ramirez, R	E2-304

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.

Class No	Component	Start/End Time	Days	Instructor	Room
12413	LEC	6:00 pm - 9:35 pm	MTW	Maroufkhani, F F	TONLINELIV

Electronics

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

Introduction To Electronics

Class No	Component	Start/End Time	Days	Instructor	Room
10573	LEC	8:00 am - 12:05 pm	MTW	Botterud, S J	B1-224
11032	LEC	10:30 hrs/wk	TBA	Zhang, M	TONLINENO

No real-time meetings are required. All activities are online.

Engineer-Opr/Maint-Apprentice**OPMA AP 739- Locksmithing And Security Systems For Apprenticeship - 2 Units**

This course is for the beginner. It is designed to teach a facilities maintenance worker how to perform in house locksmithing in a realistic and practical way. Topics will include; preventative maintenance, basic locksmithing tools, keys and locking devices, parts of a key, master key systems, installing basic lock sets, 'Warded & Leer' tumbler, side bar wafer locks, electromagnetic locks, electric strikes and key coding machines.

Class No	Component	Start/End Time	Days	Instructor	Room
12532	LAB	8:00 am - 4:00 pm	Sa	Arteaga, A S	B1-209
And	LAB	5:00 pm - 10:00 pm	W	Arteaga, A S	B1-209

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OPMA AP 760- Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems - 2 Units

This course covers the minimum requirement for the periodic inspection, testing, and maintenance of water based fire protection systems, including land-based and marine applications.

Class No	Component	Start/End Time	Days	Instructor	Room
12541	LAB	8:00 am - 4:00 pm	Sa	Anderson, V A	TONLINELIV
And	LAB	5:00 pm - 10:30 pm	F	Anderson, V A	TONLINELIV

14 of 28 Apprenticeship Program

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 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.

Class No	Component	Start/End Time	Days	Instructor	Room
10575	LEC	10:00 am - 10:50 am	MTWTh	Navarro, A	C4-420
AND 10576	LAB	11:00 am - 12:50 pm	MTWTh	Navarro, A	C4-420

English**ENGLISH 101- College Reading And Composition I (UC/CSU) - 3 Units**

Requirement Designation: Meets IGETC 1A; CSU A2

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.

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Class No	Component	Start/End Time	Days	Instructor	Room
10413	LEC	10:30 hrs/wk	TBA	Shakir, R N	TONLINENO
No real-time meetings are required. All activities are online.					
All textbooks/readings will be provided free of cost.					
10414	LEC	10:30 hrs/wk	TBA	Blake, G B	TONLINENO
No real-time meetings are required. All activities are online.					
Textbooks assigned to this class are less than \$50.					
10416	LEC	10:30 hrs/wk	TBA	Mancia, R A	TONLINENO
No real-time meetings are required. All activities are online.					
Textbooks assigned to this class are less than \$50.					
10419	LEC	10:30 hrs/wk	TBA	Sowter, S V	TONLINENO
No real-time meetings are required. All activities are online.					
Textbooks assigned to this class are less than \$50.					
10421	LEC	10:30 hrs/wk	TBA	Viliesid, C N	TONLINENO
No real-time meetings are required. All activities are online.					
Textbooks assigned to this class are less than \$50.					
10704	LEC	10:30 hrs/wk	TBA	Cruz, C A	TONLINENO
No real-time meetings are required. All activities are online.					
Textbooks assigned to this class are less than \$50.					
10705	LEC	10:30 hrs/wk	TBA	Blake, G B	TONLINENO
No real-time meetings are required. All activities are online.					
Textbooks assigned to this class are less than \$50.					
11417	LEC	10:30 hrs/wk	TBA	Sowter, S V	TONLINENO
No real-time meetings are required. All activities are online.					
Textbooks assigned to this class are less than \$50.					
11764	LEC	10:30 hrs/wk	TBA	Viliesid, C N	TONLINENO
No real-time meetings are required. All activities are online.					
Textbooks assigned to this class are less than \$50.					

ENGLISH 101X- College Reading and Composition I Plus 1-Hour Lab (UC/CSU) - 3 Units

Requirement Designation: Meets IGETC 1A; CSU A2

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English 101X is a course in critical reading and prose writing designed to refine the student's skills in thinking logically, reading carefully, and writing effectively. Stress is placed on the organization and composition of objective expository essays, including the research paper. Course content is identical to English 101 with one additional lab support hour for students whose MMAP placement suggests such support is needed.

Class No	Component	Start/End Time	Days	Instructor	Room
11760	LEC	8:35 am - 12:05 pm	MW	Mancia, R A	F5-221
And	LEC	4:25 hrs/wk	TBA	Mancia, R A	TONLINENO

Some in person meetings are required as scheduled. The remaining activities are online.

Textbooks assigned to this class are less than \$50.

AND

11761	LAB	3:20 hrs/wk	TBA	Mancia, R A	TONLINENO
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Some in person meetings are required as scheduled. The remaining activities are online.

Textbooks assigned to this class are less than \$50.

11762	LEC	11:00 am - 2:30 pm	MW	Cruz, C A	TONLINELIV
And	LEC	4:25 hrs/wk	TBA	Cruz, C A	TONLINENO

THIS CLASS WILL BE TAUGHT VIA ZOOM PLUS TBA ONLINE HOURS

This class will be offered in an online blended format, which requires students to be online and interacting with their instructor during the times shown and to work online independently each week for the amount of TBA time shown in addition to completing assignments.

Textbooks assigned to this class are less than \$50.

AND

11763	LAB	3:20 hrs/wk	TBA	Cruz, C A	TONLINENO
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This class will be offered in an online blended format, which requires students to be online and interacting with their instructor during the times shown and to work online independently each week for the amount of TBA time shown in addition to completing assignments.

Textbooks assigned to this class are less than \$50.

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

Requirement Designation: Meets IGETC 1B or 3B; CSU A3 or 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.

Class No	Component	Start/End Time	Days	Instructor	Room
10455	LEC	10:30 hrs/wk	TBA	Moreno, L M	TONLINENO

No real-time meetings are required. All activities are online.

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.

Class No	Component	Start/End Time	Days	Instructor	Room
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LA Trade-Technical College

10462 LEC 10:30 hrs/wk TBA Shakir, R N TONLINENO

Textbooks assigned to this class are less than \$50.

No real-time meetings are required. All activities are online.

English As A Second Lan-Civics ESLCVCS 013CE- ESL And Civics IV (Repeatable) - 0 Unit

ESL And Civics IV

Class No	Component	Start/End Time	Days	Instructor	Room
11950	LEC	12:15 pm - 3:35 pm	TWTh	STAFF, L	TONLINELIV

Real-time meetings are required as scheduled. All activities are online.

English Second Language - NC ESL NC 050CE- Beginning Conversation (Repeatable) - 0 Unit

Beginning Conversation

Class No	Component	Start/End Time	Days	Instructor	Room
11448	LEC	8:30 am - 11:00 am	MTWTh	STAFF, L	D3-109A-1

Some in person meetings are required as scheduled. The remaining activities are online.

11454 LEC 6:00 pm - 8:30 pm MTWTh STAFF, L F5-210

11875 LEC 6:00 pm - 8:30 pm MTWTh STAFF, L TONLINELIV

Real-time meetings are required as scheduled. All activities are online.

ESL NC 051CE- Intermediate Conversation (Repeatable) - 0 Unit

Intermediate Conversation

Class No	Component	Start/End Time	Days	Instructor	Room
11588	LEC	8:30 am - 11:00 am	MTWTh	STAFF, L	TONLINELIV

Real-time meetings are required as scheduled. All activities are online.

11589 LEC 8:30 am - 11:00 am MTWTh STAFF, L D3-109N

11606 LEC 6:00 pm - 8:50 pm TWTh STAFF, L TONLINELIV
And LEC 1:30 hrs/wk TBA STAFF, L TONLINENO

This class will be offered in an online blended format, which requires students to be online and interacting with their instructor during the times shown and to work online independently each week for the amount of TBA time shown in addition to completing assignments.

Environmental Science ENV SCI 001- Introduction to Environmental Science (UC/CSU) - 3 Units

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Requirement Designation: Meets IGETC 5A; CSU B1

This course introduces students to an interdisciplinary approach to the science behind human-environment interaction. Real-world case studies cover challenges related to climate change, agriculture, energy, and human population, and educate students about ways to live more sustainably.

Class No	Component	Start/End Time	Days	Instructor	Room
10907	LEC	11:00 am - 1:50 pm	MTWTh	Briones Ortega, R	TONLINELIV

Real-time meetings are required as scheduled. All activities are online.

Fashion Design

FASHDSN 118- Advanced Clothing Construction (CSU) - 2 Units

Enrollment Requirement: Prerequisite: FASHDSN 111

The objective of this course is to advance the sewing skills of students using specialized machinery in constructing garments of specialized fabrics such as knits, lycra and Chiffon.

Class No	Component	Start/End Time	Days	Instructor	Room
10918	LAB	7:00 am - 12:15 pm	MTW	Alcala, C	D4-230

FASHDSN 119A- History Of Costume I (UC/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.

Class No	Component	Start/End Time	Days	Instructor	Room
10597	LEC	5:10 hrs/wk	TBA	Siccardi, M	TONLINENO

No real-time meetings are required. All activities are online.

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.

Class No	Component	Start/End Time	Days	Instructor	Room
10598	LEC	12:30 pm - 2:20 pm	MTW	Siccardi, M	D4-236

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.

Class	Component	Start/End Time	Days	Instructor	Room
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No	Component	Start/End Time	Days	Instructor	Room
10094	LAB	7:00 am - 12:15 pm	MTW	Jackson, T R	D4-332

FASHDSN 222- Sample Making And Design I - 2 Units

The fundamentals of garment construction using industrial power machines. Students will create a portfolio which demonstrates basic sewing techniques.

Class No	Component	Start/End Time	Days	Instructor	Room
11024	LAB	1:00 pm - 5:15 pm	MTWThF	Conte, R S	D4-333

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 process.

Class No	Component	Start/End Time	Days	Instructor	Room
11025	LAB	7:00 am - 10:50 am	MTW	Osuna, C L	D4-132

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.

Class No	Component	Start/End Time	Days	Instructor	Room
10098	LAB	7:00 am - 12:50 pm	MTWTh	Walker, T	D4-203

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.

Class No	Component	Start/End Time	Days	Instructor	Room
11439	LEC	10:30 hrs/wk	TBA	Stojic-Ito, S	TONLINENO

No real-time meetings are required. All activities are online.

History

HISTORY 011- Political and Social History of the United States to 1877 (CSU) - 3 Units

Enrollment Requirement: Advisory: ENGLISH 101

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Political and Social History of the United States to 1877

Class No	Component	Start/End Time	Days	Instructor	Room
10346	LEC	10:30 am - 1:20 pm	MTWTh	Mazon, R	F5-306

11582 LEC 10:30 hrs/wk TBA Rodriguez Estrada, A I TONLINENO
 Zero Cost Textbook! No real-time meetings are required. All activities are online.

All textbooks/readings will be provided free of cost.

No real-time meetings are required. All activities are online.

10543 LEC 10:30 hrs/wk TBA Bird, B L TONLINENO
 This class is quality reviewed and approved by the California Virtual College - Open Education Initiative. It incorporates best practices in online course design, interaction, and accessibility to support student success. Zero Cost Textbook! No real-time meetings are required. All activities are online.

No real-time meetings are required. All activities are online.

Quality Reviewed

All textbooks/readings will be provided free of cost.

12019 LEC 10:30 hrs/wk TBA Martinez, M E TONLINENO

All textbooks/readings will be provided free of cost.

No real-time meetings are required. All activities are online.

HISTORY 012- Political and Social History of the United States from 1865 (UC/CSU) - 3 Units

Requirement Designation: Meets IGETC-4F; CSU-D6 & US-1

Enrollment Requirement: Advisory: ENGLISH 101

Political and Social History of the United States from 1865

Class No	Component	Start/End Time	Days	Instructor	Room
10570	LEC	10:30 hrs/wk	TBA	Rodriquez Estrada, A I	TONLINENO

No real-time meetings are required. All activities are online.

All textbooks/readings will be provided free of cost.

HISTORY 041- The African American In The History Of The U.S. I (UC/CSU) - 3 Units

Requirement Designation: Meets IGETC-4F; CSU-D & US-1

Enrollment Requirement: Advisory: ENGLISH 101

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

Class No	Component	Start/End Time	Days	Instructor	Room
10381	LEC	10:30 hrs/wk	TBA	Martinez, M E	TONLINENO

No real-time meetings are required. All activities are online.

HISTORY 086- Introduction To World Civilization I (CSU) - 3 Units

Enrollment Requirement: Advisory: ENGLISH 101

Introduction To World Civilization I

Class No	Component	Start/End Time	Days	Instructor	Room
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10708	LEC	10:30 hrs/wk	TBA	Bird, B L	TONLINENO
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LOW COST: Textbooks assigned to this class are less than \$50. No real-time meetings are required. All activities are online.

No real-time meetings are required. All activities are online.

Textbooks assigned to this class are less than \$50.

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 be explored. Specifics may vary based on instructor.

Class No	Component	Start/End Time	Days	Instructor	Room
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10058	LEC	7:00 am - 9:50 am	MTWTh	Abdul-Mu'min, J	F5-213
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10578	LEC	10:30 hrs/wk	TBA	Tropf, R K	TONLINENO
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No real-time meetings are required. All activities are online.

Kinesiology

KIN 300-1- Swimming Non-Swimmer I (UC/CSU) - 1 Unit

Requirement Designation: Meets IGETC-None; 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.

Class No	Component	Start/End Time	Days	Instructor	Room
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11398	LAB	10:00 am - 12:50 pm	MTWTh	Wagenbach, M A	P OOL
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KIN 300-2- Swimming Non-Swimmer II (UC/CSU) - 1 Unit

Requirement Designation: Meets IGETC-None; 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

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water. This course is designed for students to continue learning how to swim, building on KIN 300-1.

Class No	Component	Start/End Time	Days	Instructor	Room
11452	LAB	10:00 am - 12:50 pm	MTWTh	Wagenbach, M A	P OOL

To be combined with KIN 300-1, #12402, T01.

KIN 334-1- Fitness Walking I (UC/CSU) - 1 Unit

Requirement Designation: Meets IGETC-None; CSU-E

Enrollment Requirement: Maximum of 4 enrollments in Kinesiology family

Students learn and participate in cardiovascular activities and learn healthy lifestyle choices through introductory level walking programs.

Class No	Component	Start/End Time	Days	Instructor	Room
10875	LAB	10:30 hrs/wk	TBA	Lagos, D R	TONLINENO

No real-time meetings are required. All activities are online.

KIN 334-2- Fitness Walking II (UC/CSU) - 1 Unit

Requirement Designation: Meets IGETC-None; CSU-E

Enrollment Requirement: Maximum of 4 enrollments in Kinesiology family

Students learn and participate in cardiovascular activities and learn healthy lifestyle choices through beginning level walking programs. This course builds on KIN 334-1.

Class No	Component	Start/End Time	Days	Instructor	Room
10876	LAB	10:30 hrs/wk	TBA	Lagos, D R	TONLINENO

No real-time meetings are required. All activities are online.

KIN 334-3- Fitness Walking III (UC/CSU) - 1 Unit

Requirement Designation: Meets IGETC-None; CSU-E

Enrollment Requirement: Maximum of 4 enrollments in Kinesiology family

Students learn and participate in cardiovascular activities and learn healthy lifestyle choices through intermediate level walking programs. This course builds on KIN 334-2.

Class No	Component	Start/End Time	Days	Instructor	Room
10877	LAB	10:30 hrs/wk	TBA	Lagos, D R	TONLINENO

No real-time meetings are required. All activities are online.

Kinesiology Athletics

KIN ATH 552- Intercollegiate Sports-Conditioning & Skills Training (UC/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.

Class No	Component	Start/End Time	Days	Instructor	Room
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11207	LAB	1:00 pm - 3:05 pm	MTWThF	Morgan, S A	G2-100
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11206	LAB	3:15 pm - 5:20 pm	MTWThF	Perez, S	G2-100
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Labor Studies

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.

Class No	Component	Start/End Time	Days	Instructor	Room
11323	LEC	10:30 hrs/wk	TBA	Wills, E R	TONLINENO

No real-time meetings are required. All activities are online.

Library Science

LIB SCI 101- College Research Skills (UC/CSU) - 1 Unit

This is a practical course in college level research using academic libraries and related information sources. Students develop strategies to find, organize, evaluate, and cite various print and online sources effectively and ethically. These skills help students become strong researchers and life-long learners.

Class No	Component	Start/End Time	Days	Instructor	Room
10873	LEC	3:20 hrs/wk	TBA	King, R M	TONLINENO

No real-time meetings are required. All activities are online.

All textbooks/readings will be provided free of cost.

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.

Class No	Component	Start/End Time	Days	Instructor	Room
10577	LEC	10:30 hrs/wk	TBA	Mcintosh, A U	TONLINENO

No real-time meetings are required. All activities are online.

Mathematics

MATH 215- Mathematical Concepts for Teachers I (UC/CSU) - 3 Units

Requirement Designation: Meets CSU B4

Enrollment Requirement: Conditions on Enrollment: Competency in intermediate algebra or

completion of an intermediate algebra course with a grade of "C" or better or placement.

Math 215 is intended for those who plan to teach mathematics in elementary schools. The course covers the language of sets, elementary logic, systems of numeration, numbers, fundamental operations, functions, integers, rational numbers, real numbers, and algorithms used in calculations.

Class No	Component	Start/End Time	Days	Instructor	Room
12430	LEC	5:00 pm - 7:30 pm	MTWTh	Ornelas, M	TONLINELIV

Real-time meetings are required as scheduled. All activities are online.

MATH 227- Statistics (UC/CSU) - 4 Units

Requirement Designation: Meets IGETC 2A; CSU B4

Enrollment Requirement: Conditions on Enrollment: Competency in intermediate algebra or completion of an intermediate algebra course with a grade of "C" or better or placement.

Math 227 is an introduction to probability, measures of central tendency and dispersion, descriptive and inferential statistics, sampling, estimation, and hypothesis testing. Analysis of variance, chi-square and student t-distributions, linear correlation, and regression analysis are also presented as topics.

Class No	Component	Start/End Time	Days	Instructor	Room
12433	LEC	9:40 am - 1:00 pm	MTWTh	Simpson-Rodgers, N	F5-415

12434	LEC	4:00 pm - 7:30 pm	MTWTh	Dominguez, C C	TONLINELIV
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Real-time meetings are required as scheduled. All activities are online.

MATH 230- Mathematics For Liberal Arts Students (UC/CSU) - 3 Units

Requirement Designation: Meets IGETC 2A; CSU B4

Enrollment Requirement: Conditions on Enrollment: Competency in intermediate algebra or completion of an intermediate algebra course with a grade of "C" or better or placement.

Math 230 is an introduction to the spirit and style of mathematics and its pursuit as a human endeavor. Topics are chosen from a variety of mathematical fields including logic, set theory, systems of numeration, number theory, algebra, the metric system, geometry, mathematical systems, consumer mathematics, probability, statistics, graph theory, voting and apportionment which are intended to illustrate the nature of mathematical discovery, the utility of mathematical applications, and the beauty of geometrical design.

Class No	Component	Start/End Time	Days	Instructor	Room
12431	LEC	9:40 am - 12:10 pm	MTWTh	Loop, C B	F5-408

11757	LEC	11:00 am - 1:50 pm	MTWTh	Cuellar, M	F5-310
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12432 LEC 1:00 pm - 3:25 pm MTWTh Lopez, A E TONLINELIV

Real-time meetings are required as scheduled. All activities are online.

MATH 245- College Algebra (CSU) - 3 Units

Requirement Designation: *Meets IGETC 2A; CSU B4*

Enrollment Requirement: Conditions on Enrollment: Competency in intermediate algebra or completion of an intermediate algebra course with a grade of "C" or better or placement.

This college algebra course includes the theory of equations, polynomial and rational functions and their graphs, systems of equations, matrices, determinants, permutations, combinations, sequences and series, the Binomial Theorem, and other topics.

Class No	Component	Start/End Time	Days	Instructor	Room
12435	LEC	5:00 pm - 7:30 pm	MTWTh	Maheta-Wells, P	TONLINELIV

FREE ONLINE TEXTBOOK

Real-time meetings are required as scheduled. All activities are online.

All textbooks/readings will be provided free of cost.
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MATH 260- Precalculus (UC/CSU) - 5 Units

Requirement Designation: *Meets IGETC 2A; CSU B4*

Enrollment Requirement: Prerequisites: MATH 240 or 241 or 241S or placement in MT2 or MT2S

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.

Class No	Component	Start/End Time	Days	Instructor	Room
12436	LEC	9:00 am - 1:25 pm	MTWTh	Guerrero, S A	F5-413

FREE ONLINE TEXTBOOK

All textbooks/readings will be provided free of cost.

10706 LEC 11:00 am - 3:50 pm MTWTh Meftagh, T S TONLINELIV

Real-time meetings are required as scheduled. All activities are online.

Music

MUSIC 101- Fundamentals Of Music (UC/CSU) - 3 Units

Requirement Designation: *Meets IGETC 3A; CSU C1*

This course is designed for the general student and covers the fundamentals of music, including notation, meters and rhythm, scales and key signatures, intervals, triads, and musical symbols and terminology.

Class No	Component	Start/End Time	Days	Instructor	Room
10887	LEC	7:00 am - 9:50 am	MTWTh	Good, K	F5-201

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10886 LEC 10:30 hrs/wk TBA Ray, E J TONLINENO

No real-time meetings are required. All activities are online.

12464 LEC 10:30 hrs/wk TBA Kwon, B W TONLINENO

No real-time meetings are required. All activities are online.

Philosophy

PHILOS 001- Introduction To Philosophy (UC/CSU) - 3 Units

Requirement Designation: *Meets IGETC 3B; CSU C2*

Introduction To Philosophy

Class No	Component	Start/End Time	Days	Instructor	Room
10888	LEC	9:40 am - 12:30 pm	MTWTh	Shirikjian, V G	F5-212

Physics

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

Requirement Designation: *Meets IGETC 5A & 5C; CSU B1 & B3*

Enrollment Requirement: Prerequisite: MATH 240 or equivalent Trigonometry course

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.

Class No	Component	Start/End Time	Days	Instructor	Room
12414	LEC	1:10 pm - 3:35 pm	MTWTh	Tekola, A	C4-420
AND					
12415	LAB	3:40 pm - 6:05 pm	MTWTh	Tekola, A	C4-420

PHYSICS 011- Introductory Physics (UC/CSU) - 4 Units

Requirement Designation: *Meets IGETC 5A & 5C; CSU B1 & B3*

This is an introductory course that covers the wide range of topics included in a basic physics course such as kinematics of one- and two-dimensional motion, circular motion, Newton's laws, work and energy, thermodynamics, wave motion, oscillation, optics, electricity and magnetism, and nuclear and atomic Physics. Students analyze conceptual questions as well as solve quantitative problems using Algebra.

Class No	Component	Start/End Time	Days	Instructor	Room
12416	LEC	8:00 am - 10:25 am	MTWTh	Shirvanian, R	C4-305
AND					
12417	LAB	10:30 am - 12:55 pm	MTWTh	Shirvanian, R	C4-305

PHYSICS 012- Physics Fundamentals (UC/CSU) - 3 Units

Requirement Designation: *Meets IGETC 5A; CSU B1*

This course provides a survey of physics including laws of motion, properties of matter, heat, sound, electricity and magnetism, light, atomic and nuclear physics, and relativity. There will be given a historic perspective and applications in today's culture.

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Class No	Component	Start/End Time	Days	Instructor	Room
12418	LEC	8:00 am - 10:25 am	MTWTh	Shirvanian, R	C4-305

Please Note: This class, Physics 12, class number 12418, is a Lecture only class and it is only combined with the lecture of Physics 11, class number 12416.

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 261

Advisory: PHYSICS 011 or 012

Physics For Engineers And Scientists I

Class No	Component	Start/End Time	Days	Instructor	Room
10684	LEC	10:00 am - 12:30 pm	MTWTh	Klee, V	C4-422
AND					
10685	LAB	12:40 pm - 6:30 pm	MTWTh	Klee, V	C4-422

Plumbing

PLUMBNG 026- Plumbing Layout And Estimating I - 3 Units

This course covers fundamentals of blueprint reading for residential plumbing with an introduction to piping layout and design and basic estimating procedures. An overview of piping and fitting nomenclature, measurements, and related calculations, as well as techniques in sketching, along with orthographic, and isometric drawing creation are included.

Class No	Component	Start/End Time	Days	Instructor	Room
11160	LEC	6:00 pm - 9:50 pm	MTW	Jones, L	TONLINELIV

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).

Class No	Component	Start/End Time	Days	Instructor	Room
10682	LEC	6:00 pm - 9:20 pm	TWTh	Galvan, W M	E2-352

In-person class.

Political Science

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

Requirement Designation: Meets IGETC-4H; CSU-D8 & US-2 & US-3

The Government Of The United States

Class No	Component	Start/End Time	Days	Instructor	Room
10304	LEC	10:30 am - 1:20 pm	MTWTh	Sanchez, S	F5-213

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10521 LEC 10:30 hrs/wk TBA Fletcher, L L TONLINENO

No real-time meetings are required. All activities are online.

11231 LEC 10:30 hrs/wk TBA Tabakian, J P TONLINENO

No real-time meetings are required. All activities are online.

11583 LEC 10:30 hrs/wk TBA Tabakian, J P TONLINENO

No real-time meetings are required. All activities are online.

Psychology

PSYCH 001- Introductory Psychology (UC/CSU) - 3 Units

Requirement Designation: Meets IGETC 4I; CSU D9

Enrollment Requirement: Advisory: English 100 or 101

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.

Class No	Component	Start/End Time	Days	Instructor	Room
10404	LEC	10:30 am - 1:20 pm	MTWTh	Bevacqua, A E	F5-410

10402 LEC 10:30 hrs/wk TBA Bentley, M J TONLINENO

No real-time meetings are required. All activities are online.

11232 LEC 10:30 hrs/wk TBA Bentley, M J TONLINENO

No real-time meetings are required. All activities are online.

12021 LEC 10:30 hrs/wk TBA Cain, L C TONLINENO

No real-time meetings are required. All activities are online.

PSYCH 041- Life-Span Psychology: From Infancy To Old Age (UC/CSU) - 3 Units

Requirement Designation: Meets IGETC-4; CSU-D or E

Enrollment Requirement: Prerequisite: PSYCH 001

Advisory: ENGLISH 100

This course provides an overview, from a psychological perspective, of human development from conception through death, including biological and environmental influences. Theories and research of physical, cognitive, personality, and social development are examined, as well as attention to developmental problems.

Class No	Component	Start/End Time	Days	Instructor	Room
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2025 Winter SCHEDULE

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10938 LEC 10:30 hrs/wk TBA Koritzke, L S TONLINENO

This class is quality reviewed and approved by the California Virtual College - Open Education Initiative. It incorporates best practices in online course design, interaction, and accessibility to support student success. No real-time meetings are required. All activities are online.

No real-time meetings are required. All activities are online.

Quality Reviewed

11581 LEC 10:30 hrs/wk TBA Wooten, D M TONLINENO

No real-time meetings are required. All activities are online.

Refrig & Air Condition Mechan

REF A/C 187- Servicing I - 3 Units

This course reviews servicing procedures, manufacturer's recommendations, installation and servicing of commercial and industrial refrigeration and air conditioning systems.

Class No	Component	Start/End Time	Days	Instructor	Room
11159	LEC	6:00 pm - 9:20 pm	TWTh	Dayao, F R	E2-203

In-person class.

REF A/C 208- Refrigerant Management - Epa Section 608 (CSU) - 4 Units

This course covers Refrigerant Management including the EPA Section 608 ruling, the Montreal Protocol, Ozone depletion and Global Warming. Preparatory course for the EPA section 608 technician certification. Type I, II, III, and Universal Certification. NOTE: Certification test will be available at the end of the semester for an additional fee

Class No	Component	Start/End Time	Days	Instructor	Room
12411	LEC	14:10 hrs/wk	TBA	Cioffi, G	TONLINENO

No real-time meetings are required. All activities are online.

12560 LEC 14:30 hrs/wk TBA Cioffi, G TONLINENO

Only registered apprentices may be enrolled by their employer into this section.

No real-time meetings are required. All activities are online.

3 of 3 Apprenticeship Program

Sociology

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

Requirement Designation: Meets IGETC 4J; CSU D0

Introduction To Sociology

Class No	Component	Start/End Time	Days	Instructor	Room
10291	LEC	10:30 am - 1:20 pm	MTWTh	Payne, V Z	F5-313

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10298 LEC 10:30 hrs/wk TBA Howard, R TONLINENO

No real-time meetings are required. All activities are online.

11233 LEC 10:30 hrs/wk TBA Howard, R TONLINENO

No real-time meetings are required. All activities are online.

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

Requirement Designation: Meets IGETC 4J; CSU D0

American Social Problems

Class No	Component	Start/End Time	Days	Instructor	Room
10707	LEC	10:30 hrs/wk	TBA	Khonach, T L	TONLINENO

No real-time meetings are required. All activities are online.

SOC 031- Sociology Of Gender (UC/CSU) - 3 Units

Requirement Designation: Meets IGETC 4 CSU D

Sociology Of Gender

Class No	Component	Start/End Time	Days	Instructor	Room
11183	LEC	10:30 hrs/wk	TBA	Khonach, T L	TONLINENO

No real-time meetings are required. All activities are online.

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.

Class No	Component	Start/End Time	Days	Instructor	Room
10900	LEC	9:30 am - 1:05 pm	MTWThF	Quinones, H C	F5-412

Street Maintenance

ST MAIN 207- Street Maintenance Vii - Hazardous Materials Emergency Management - 3 Units

This course covers the prescribed responses in the first hour of a hazardous materials incident. This course satisfies OSHA "Standards in Hazardous Waste Operations Code 29 CFR 1910.120". The course includes specific training requirements of hazardous waste workers and emergency responders.

Class No	Component	Start/End Time	Days	Instructor	Room
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12620 LEC 5:00 pm - 8:40 pm MWTh Navarro, A A EAST YARD
You must be authorized by LA City Street Services to enroll in this section.
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Supervised Learning Assistance

TUTOR 001T- Supervised Tutoring (Repeatable) - 0 Unit

Supervised Tutoring

Class No	Component	Start/End Time	Days	Instructor	Room
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10623	LAB	23:50 hrs/wk	TBA	Cole, V L	D3-109
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Free Tutoring Services available to all students enrolled at LATTC.
(Starts 01/08/2025, Ends 02/09/2025)

Visual Communications

VISCOM 100- Graphic Design I (CSU) - 2 Units

An introduction to the profession of Graphic Design. Projects will stress design basics, typography, the computer as a design tool, the basics of visual problem solving, and art production and advertising.

Class No	Component	Start/End Time	Days	Instructor	Room
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11792	LAB	17:50 hrs/wk	TBA	Lepe, S A	TONLINENO
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No real-time meetings are required. All activities are online.

VISCOM 108- 2-D Design Fundamentals (UC/CSU) - 2 Units

A course in the principles and elements of 2D design. Principles of unity, variety, emphasis, balance and proportion guide every mark a designer creates. Elements of line, shape, form, value, color, and texture provide for a control that all visual artists seek as they manipulate their work.

Class No	Component	Start/End Time	Days	Instructor	Room
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10883	LEC	8:00 am - 12:15 pm	MT	STAFF, L	D4-303
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VISCOM 135- Web Graphics - Preproduction For Websites (CSU) - 2 Units

This course will review Adobe Illustrator and Adobe Photoshop procedures, and introduce Adobe Fireworks beginning with the exploration of tools and panels. The semester long project will encompass the designing of a personal website for the artist/student. Emphasis will be placed on page design, site unity, and the use of graphics and images. Students will generate Animated GIFs and engage Fireworks drag and drop environment.

Class No	Component	Start/End Time	Days	Instructor	Room
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11794	LAB	8:00 am - 12:50 pm	MTWTh	Silva, R	D4-302
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Vocational Education

VOC ED 319CE- Pathway Ready (Repeatable) - 0 Unit

The purpose of this Pathway Ready course is to help new and returning LATTC students make a successful

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transition to the community college. The students will recognize and appreciate the diversity while adjusting to the academic, social, cultural, and civic awareness necessary for college, career, and lifetime success. Students will get exposure to the industries and the programs of study, faculty, requirements, and support services offered by the pathway they have chosen.

Class No	Component	Start/End Time	Days	Instructor	Room
12479	LEC	4:00 pm - 8:00 pm	Th	Pasin, C	E3-205
And	LEC	6:30 hrs/wk	TBA	Pasin, C	TONLINENO

This class is for Culinary Arts, Professional Baking, and Restaurant Management students. It is a hybrid class where you will meet for 4 hours per week and the remaining hours will be asynchronous where the student completes the work on their own time. The student completing this course will receive 2 sets of chef's uniforms upon successful completion of the course.

Some in person meetings are required as scheduled. The remaining activities are online.

12638	LEC	5:30 pm - 8:20 pm	MW	STAFF, L	B3-161
And	LEC	5:10 hrs/wk	TBA	STAFF, L	TONLINENO

This class is for students who want to go into nursing.

Some in person meetings are required as scheduled. The remaining activities are online.

VOC ED 540CE- Culinary: Elements of Cooking Techniques (Repeatable) - 0 Unit

Culinary: Elements of Cooking Techniques

Class No	Component	Start/End Time	Days	Instructor	Room
11829	LAB	8:30 am - 3:20 pm	Sa	Robles, L F	E3-210

VOC ED 541CE- Culinary: Baking Skills (Repeatable) - 0 Unit

Culinary: Baking Skills

Class No	Component	Start/End Time	Days	Instructor	Room
12458	LAB	8:30 am - 3:20 pm	Sa	Spence, R T	E3-110BR

Welding Gas And Electric

WELDG/E 201A- Welding-Gas and Electric IA - 1 Unit

Basic manipulative exercises in electric welding using low alloy and mild steel materials in all positions, safety precautions, and fire prevention.

Class No	Component	Start/End Time	Days	Instructor	Room
12409	LAB	6:00 pm - 9:35 pm	MTW	Thompson, D	B1-156

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

Introduction To Arc Welding

Class No	Component	Start/End Time	Days	Instructor	Room
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11833	LEC	7:00 am - 7:50 am	MT	Legohn, L M	B1-150
AND					
11834	LAB	8:00 am - 11:10 am	MT	Legohn, L M	B1-150