



90 

YEARS

1925 – 2015



CELEBRATING

LASSEN  
COMMUNITY COLLEGE

2015-2016 CATALOG

# LASSEN ACADEMIC CALENDAR 2015-2016

June 2015		1	2	3	4	5	6
	7	8	9	10	11	12	13
	14	15	16	17	18	19	20
	21	22	23	24	25	26	27
	28	29	30				

**SUMMER SESSION (2015)**  
 First 4 Weeks (6/8 - 7/2)  
 Second 4 Weeks (7/6 - 7/31)  
 8 Week (6/8 - 7/31)



Jan 2016						1	2
	3	4	5	6	7	8	9
	10	11	12	13	14	15	16
	17	18	19	20	21	22	23
	24	25	26	27	28	29	30
	31						

July 2015				1	2	3	4
	5	6	7	8	9	10	11
	12	13	14	15	16	17	18
	19	20	21	22	23	24	25
	26	27	28	29	30	31	

**FALL SEMESTER BEGINS** 8/13  
**CLASSES START** 8/17  
**SPRING SEMESTER BEGINS** 1/14  
**CLASSES START** 1/19

Feb 2016		1	2	3	4	5	6
	7	8	9	10	11	12	13
	14	15	16	17	18	19	20
	21	22	23	24	25	26	27
	28	29					

**NO CLASSES- CAMPUS OPEN**  
 8/3-8/12, 12/21-12/23  
 1/4-1/13, 5/31-6/10

Aug 2015							1
	2	3	4	5	6	7	8
	9	10	11	12	13	14	15
	16	17	18	19	20	21	22
	23	24	25	26	27	28	29
	30	31					

**FLEX - NO CLASSES**  
 8/13, 8/14, 11/25, 1/14, 1/15  
 2/16, 2/17

Mar 2016			1	2	3	4	5
	6	7	8	9	10	11	12
	13	14	15	16	17	18	19
	20	21	22	23	24	25	26
	27	28	29	30	31		

**CONVOCAATION - NO CLASSES**  
 9/8, 2/11

Sept 2015			1	2	3	4	5
	6	7	8	9	10	11	12
	13	14	15	16	17	18	19
	20	21	22	23	24	25	26
	27	28	29	30			

**CAMPUS CLOSED**  
 11/27, 12/28-12/31, 3/25

Apr 2016						1	2
	3	4	5	6	7	8	9
	10	11	12	13	14	15	16
	17	18	19	20	21	22	23
	24	25	26	27	28	29	30

**SPRING BREAK**  
 3/21-3/24 (3/25 Good Friday)

Oct 2015					1	2	3
	4	5	6	7	8	9	10
	11	12	13	14	15	16	17
	18	19	20	21	22	23	24
	25	26	27	28	29	30	31

**HOLIDAYS**  
 7/3, 9/7, 11/9, 11/26, 12/24, 12/25  
 1/1, 1/18, 2/12, 2/15, 5/30

May 2016	1	2	3	4	5	6	7
	8	9	10	11	12	13	14
	15	16	17	18	19	20	21
	22	23	24	25	26	27	28
	29	30	31				

**FINALS WEEK**  
 12/15 - 12/18  
 5/24 - 5/27

Nov 2015	1	2	3	4	5	6	7
	8	9	10	11	12	13	14
	15	16	17	18	19	20	21
	22	23	24	25	26	27	28
	29	30					

**COMMENCEMENT**  
 5/27

June 2016				1	2	3	4
	5	6	7	8	9	10	11
	12	13	14	15	16	17	18
	19	20	21	22	23	24	25
	26	27	28	29	30		

Dec 2015			1	2	3	4	5
	6	7	8	9	10	11	12
	13	14	15	16	17	18	19
	20	21	22	23	24	25	26
	27	28	29	30	31		

**TEACHING DAYS**  
 FALL (84 days)  
 SPRING (84 days)  
 CONVOCAATION (2 days)  
 FLEX DAYS (7 days)



**TOTAL** 177



262 CSEA working days

**SUMMER SESSION (2016)**  
 First 4 Weeks (6/13 - 7/8)  
 Second 4 Weeks (7/11 - 8/5)  
 8 Week (6/13 - 8/5)





## Message from the Superintendent/President

Lassen Community College has a proud 90-year history of serving the local service area that includes Lassen and Modoc counties. Our focus is to serve as the educational, economic, cultural, workforce, civil and social leader in the community.

Lassen Community College continues to provide outstanding programs for all pursuing higher education goals.

The new catalog shows that we are committed to offering a wide range of educational opportunities including transfer degrees and certificates, economic workforce, and basic skills instruction. These programs are offered in a variety of modalities delivered in the traditional, online, hybrid, and correspondence formats.

We will continue to be committed to providing the latest in technology, expanding our course offerings and services to support the diverse needs of our students.

This document is an important part of your educational journey at Lassen Community College. It is our contract with you. We hope that it is informative and a guide to reaching your goals as a student at Lassen Community College.

**Dr. Marlon Hall**  
*Superintendent/President*



## Message from the Associated Student Body President

Welcome to Lassen Community College!

If you drop by our office (Room 125 in the Dorms) you will find that the Associated Student Body (ASB) is a vital organization made up entirely of students like you. We have a vision of a diverse, sustainable campus with a thriving culture, where students can find all the resources they need to succeed. In pursuit of that vision we sit on all campus committees, organize and sponsor events, oversee clubs, attend state-wide events, work to improve student success, and much, much more! Do you want to see what clubs are available to join? Do you want to learn about, or participate in shared governance? Do you want to start a club of your own? It's easy, and we will show you how.



The ASB is students helping students, so if you would be interested in joining our team to work on any of the many different projects we have going, start your own, or just give your input, you would be more than welcome.

Have a great year,

**Matthew Bates**  
2014-2015 ASB President

# Lassen Community College District Strategic Plan

Recommendation to reaffirm without revisions by Consultation Council – May 15, 2014

Reaffirmed by Board of Trustees – August 12, 2014

## Vision

- Be the Academic Leader by ensuring quality and student success
- Be the Educational Leader by expanding outreach and student access
- Be a Trusted Steward by providing capable leadership and accountability
- Be the Economic and Workforce Development Leader for the community
- Be the Cultural Leader in the community
- Be the Civic and Social Leader in the community
- Be the Model of a highly efficient self-sustaining rural community college

## Mission

Lassen Community College provides outstanding programs for all pursuing higher education goals. The core programs offer a wide range of educational opportunities including transfer degrees and certificates, economic and workforce development, and basic skills instruction. The college serves students, both on campus and in outreach areas in its effort to build intellectual growth, human perspective and economic potential.

## Strategic Goals

1. **Institutional Effectiveness:** Provide the governance, leadership, integrated planning and accountability structures, and processes to effectively support the learning environment, while ensuring responsible stewardship of public trust and resources.
2. **Learning Opportunities:** Provide an array of rigorous academic programs delivered via a variety of modalities that promote student learning and meet the needs of the local and global community.
3. **Resource Management:** Manage human, physical, technological and financial resources to sustain fiscal stability and to effectively support the learning environment.
4. **Student Success:** Provide a college environment that reaches-out-to and supports students, minimizes barriers, and increases opportunity and success through access and retention to enable student attainment of educational goals including completion of degrees and certificates, transfer, job placement and advancement, improvement of basic skills, and self-development through lifelong learning.

## College Values

### Educational Excellence – We value:

- High quality educational delivery
- Highly qualified instructors
- High quality technology and materials
- Well-equipped classrooms
- Student learning as the focal point of every experience

### Student Focus – We value:

- Doing what is best for students, not what is easiest or most efficient
- Learning as a priority over teaching
- Student needs; they are paramount in the learning process

### Honesty/ Integrity – We value:

- Establishing trust in relationships
- Dependability
- Transparency

### Student Success – We value:

- Students reaching their goals
- Students being prepared for transfer to four-year institutions
- Vocational students being prepared for the job market

### Dignity/Respect – We value:

- Civility
- Collegiality
- Diversity
- Active listening and communication
- Agreements that are made and kept

## Institutional Student Learning Outcomes

1. **Communication** - Ability to listen and read with comprehension and the ability to write and speak effectively
2. **Critical Thinking** - Ability to analyze a situation, identify and research a problem, propose a solution or desired outcome, implement a plan to address the problem, evaluate progress and adjust the plan as appropriate to arrive at the solution or desired outcome
3. **Life Long Learning** - Ability to engage in independent acquisition of knowledge; ability to access information including use of current technology; ability to use the internet and/or library to access and analyze information for relevance and accuracy; ability to navigate systems
4. **Personal/Interpersonal Responsibility** - Ability to develop and apply strategies to set realistic goals for personal, educational, career, and community development; ability to apply standards of personal and professional integrity; ability to cooperate with others in a collaborative environment for accomplishment of goals; ability to interact successfully with other cultures





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## **NON-DISCRIMINATION POLICY**

Lassen Community College is committed to equal opportunity in education and employment, regardless of sex, race, color, religion or national origin. This includes admissions to the college, enrollment in courses, student services, activities, financial aid and employment in accordance with provisions of Title VI of the 1964 Civil Rights Act, Title IX of the Educational Amendment of 1972 (45CRF 86); Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act (ADA). Student, staff and all others associated with the college should understand the importance of reporting concerns about possible violations of the policy. Lassen's commitment to equal opportunity demands full investigation of possible violations and an opportunity for a full and impartial hearing on any matter relating to these laws and policies. Further related inquiries should be directed to the Equal Employment Opportunity Officer at (530) 251.8811.

## **DISCLAIMER**

The college reserves the right to amend, modify or otherwise revise any provision in this catalog for reasons including but not limited to: changes in State Law, Education Code, Title 5 or other governing regulations pursuant to the operation of the college; changes in Board of Trustee Policies or Administrative Regulations or changes relating to funding, fees, instruction, support services or staffing of the college or any program or course thereof. These changes may be made without prior notice and may supersede this publication or portion thereof.

## **CONSUMER INFORMATION**

In full accord with Section 504 of the Rehabilitation Act of 1973 which prohibits discrimination on the basis of disability and federal and state legislation to prohibit discrimination, Lassen Community College pledges that its policies and practices aim at providing all persons equal opportunity for education, school or interschool activity and employment regardless of age, race, religion, color, sex, marital status, national origin or disability. Further related inquiries should be directed to Equal Employment Opportunity Officer, Lassen Community College, PO Box 3000, Susanville, CA 96130.

Board Policies and Administrative Procedures are available to the public and may be viewed from our website or by following this link: **<http://www.boarddocs.com/ca/lccca/board.nsf/public>**.

For consumer information, contact Lassen Community College at 530.257.6181 or visit our website at: **[www.lassencollege.edu](http://www.lassencollege.edu)**.

# College Guiding Principles

## Vision

The Governing Board's Vision for Lassen Community College is to:

- Be the Academic Leader by ensuring quality and student success
- Be the Educational Leader by expanding outreach and student access
- Be a Trusted Steward by providing capable leadership and accountability
- Be the Economic and Workforce Development Leader for the community
- Be the Cultural Leader in the community
- Be the Civic and Social Leader in the community
- Be the Model of a highly efficient self-sustaining rural community college

## Mission Statement

Lassen Community College provides outstanding programs for all pursuing higher education goals. The core programs offer a wide range of educational opportunities including transfer degrees and certificates, economic and workforce development, and basic skills instruction. The college serves students, both on campus and in outreach areas in its effort to build intellectual growth, human perspective and economic potential.

## Institutional Student Learning Outcomes

Upon the completion of any course, educational activity, or program, the student will demonstrate improvement in one or more of these areas:

- **Communication**  
Ability to listen and read with comprehension and the ability to write and speak effectively
- **Critical Thinking**  
Ability to analyze a situation, identify and research a problem, propose a solution or desired outcome, implement a plan to address the problem, evaluate progress and adjust the plan as appropriate to arrive at the solution or desired outcome
- **Life Long Learning**  
Ability to engage in independent acquisition of knowledge; ability to access information including use of current technology; ability to use the internet and/or library to access and analyze information for relevance and accuracy; ability to navigate systems
- **Personal/Interpersonal Responsibility**  
Ability to develop and apply strategies to set realistic goals for personal, educational, career, and community development; ability to apply standards of personal and professional integrity; ability to cooperate with others in a collaborative environment for accomplishment of goals; ability to interact successfully with other cultures.

## Philosophy and Criteria for Associate Degree and General Education

Lassen Community College offers a breadth of courses that are intended to prepare students to think and communicate clearly and effectively; to use mathematics; to understand the modes of inquiry in the major disciplines; to be aware of other cultures and times; to achieve insights gained through experience in thinking about ethical problems, and to develop the capacity for self-understanding. These courses will give students sufficient depth in a field of knowledge to contribute to lifetime interest as well as give the student the tools to navigate through complex life experiences.

General Education, included in the Associate Degree, is designed to introduce students to a variety of means to comprehend the modern world. This experience will assist students in their evaluation and appreciation of the physical environment, the culture and the society in which they live.

The criteria used to determine inclusion in the Associate Degree and General Education offerings includes those classes that foster understanding and evaluation of the natural sciences, social and behavioral sciences, humanities, language and rationality, and physical health and activities.

# General Information

## History and Location

The forerunner of Lassen Community College began on May 4, 1925, when the Junior College department of the Lassen Union High School District was established and began conducting classes on the Lassen High School Campus.

A separate facility was created in 1941 with the remodeling of a Main Street garage into a classroom building. In 1945, because of increasing enrollment, a new building was built adjacent to the high school. The modern era of Lassen Community College began in March 1965 with the establishment of the Lassen Community College District and the separation from the high school district. A separate Board of Trustees was elected and planning began for a new campus.

The new campus, located on Highway 139, today consists of 165 acres and 39 structures, including 19 main buildings. It began operations in September 1971. In addition to classrooms, laboratories and offices, it has a library, college union, computer rooms, a large gymnasium and outdoor recreation facilities.

Lassen Community College is located in Susanville in the high mountain lake country of northeastern California. The campus looks out over the city to Diamond Mountain and the Sierra Nevada Mountains. Eagle Lake, the third largest lake wholly contained in California, is only 20 miles away.

## Accreditation

Lassen Community College is accredited by the Accrediting Commission for Community and Junior Colleges, Western Association of Schools and Colleges, 10 Commercial Blvd., Suite 204, Novato, CA 94949, (415) 506-0234, an institutional accrediting body recognized by the Council for Higher Education Accreditation and the U.S. Department of Education. Additional information about accreditation, including the filing of complaints against member institutions, can be found at: [www.accic.org](http://www.accic.org).

## College Catalog

This catalog serves as a guide to Lassen Community College providing information on entering college, on courses, programs, services, degree/certificate requirements, and campus activities.

## Catalog Rights

A catalog is in essence an agreement between the student and the college. Students earn degrees and certificates under the programs and policies outlined in a specific catalog. Students, who maintain continuous enrollment, meaning they attended at least one semester or summer session during the academic year, may choose to graduate under the catalog in effect at the time they first enrolled at Lassen Community College or any catalog up to the time of graduation. Students who are considered returning students without continuous enrollment must follow the catalog requirements in effect at the time of re-enrollment.

For the purposes of catalog rights, the academic year begins each fall and ends with the subsequent summer session.

## Choice of Catalog

Degree requirements are published in each academic catalog and include: major requirements, general education requirements, reading, writing and math competencies, and other college requirements such as residency and grade point average. Degree requirements may be fulfilled under different catalog years provided the student is eligible to use the respective catalogs.

Eligibility is determined by:

1. **Major requirements:** All major courses must be selected from any one catalog in effect during the student's most recent period of continuous enrollment.
2. **General Education requirements:** A course may be used to fulfill an area requirement if it is on the approved general education list at the time the course is taken. A General Education course taken at another college can meet an area requirement when a Lassen Community College counselor determines that the course is equivalent to a Lassen Community College course listed in that area; or the course is listed in that area at the College where the course was taken.
3. **Other district requirements** may be completed by fulfilling those requirements listed in any one catalog in effect during the student's most recent period of continuous enrollment.

## Class Schedule

Each semester, Lassen Community College publishes a schedule of courses that will be offered during the semester. The schedule of courses contains the most updated information on courses and is considered an addendum to this catalog.

Lassen Community College offers day and evening courses. Courses are also offered via online or by correspondence delivery. Courses are usually semester length, although shorter-term courses are offered.

The current semester course schedule can be accessed online at [www.lassencollege.edu](http://www.lassencollege.edu). The online schedule is searchable by location, course number, instructor name, start date, time, and course title. The online schedule is updated daily. Not all courses listed in the College Catalog are offered every semester.



# How to Use this Catalog

This catalog is designed to assist all types of students - those just beginning college for the first time, those considering transferring to another community college or four-year institution, and those already attending Lassen Community College – in choosing the program of study that best fits their aspirations and goals. In this catalog, you will find information regarding the admissions process and registration issues, financial aid information and academic requirements. In addition, the catalog describes aspects of student life and opportunities to assist you in having a successful experience at Lassen Community College.

## Student Success and Support Program

The statewide California Community College program emphasizing student success previously called “Matriculation” assists students in successfully completing their educational and career goals. The program includes student services in the areas of admissions, assessment, orientation, counseling, advising and follow-up. New students who are taking English, Mathematics or Reading, who are seeking a degree or certificate, or participating in collegiate activities are required to participate in Assessment, Orientation, and Counseling. Students are exempt from the requirement to participate in Assessment, Orientation, and Counseling if they provide documentation of having completed an associate degree or higher from an accredited institution, if they are taking courses to upgrade occupational skills or as continuing education for employment, and those who are taking courses for personal interest which are not dependent on academic skill prerequisites or co-requisites. Other criteria for exemption from specific components can be found in the Counseling Office located in Student Services or by contacting 530.251.8842.

### **Students Rights Regarding the Student Success Program**

Students who meet the exemption criteria may choose whether or not to participate in assessment, orientation or counseling services.

Students may challenge required participation in the Student Success program by filing a complaint with the Dean of Student Services. If the matter is not resolved, it may be appealed to the Superintendent/President. The Dean of Student Services shall keep a record of all petitions filed regarding the Student Success program.

### **Students who are planning to pursue exemption status for any of the components must:**

- Complete an exemption form with a counselor
- Have a signed exemption form, maintained in the Counseling Office.

Students who believe they have been the victims of unlawful discrimination as it relates to the implementation of matriculation may file a complaint with the Director of Human Resources.



# Quick Guide to LCC Enrollment

## New Student Registration

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### SIX EASY STEPS!

#### **STEP 1 – Complete an online Application for Admission – Open CCC**

Go to our website: [www.lassencollege.edu](http://www.lassencollege.edu). Click **OpenCCC** to begin the 2-step application process. First create a user account, **then** sign-in to complete and submit the 9-part application. You will see a confirmation page. Once your application is processed, you will be emailed your **Student ID#, User Name and initial password**. PLEASE CHECK YOUR JUNK OR SPAM FOLDERS FOR EMAILS FROM LCC Admissions. Your log-in information can be used to access **MyLassen LCC Portal** where you can register for classes, check financial aid, access student email, see department information, and view LCC announcements.

#### **STEP 2 – Go to Financial Aid (\*International Students are ineligible for Financial Aid)**

Fill out the **FAFSA** (Free Application for Federal Student Aid at [www.fafsa.gov](http://www.fafsa.gov)) and/or apply for the BOG (Board of Governors) waiver (CA Residents only) for your opportunity to qualify for financial aid.

#### **STEP 3 – Complete Reading, Writing & Math Assessments Tests**

Assessment testing is computerized and free of charge. Results of testing help a counselor place you in appropriate course levels. For more information or to make an appointment: call Sandra Jones at 530.251.8833. Practice tests available at [www.act.org/compass/sample](http://www.act.org/compass/sample).

#### **STEP 4 – Complete a New Student Orientation**

Go to [www.lassencollege.edu](http://www.lassencollege.edu) click on “Prospective Students and Guests”, Click on “New Student Orientation” in the grey box on the right of the page under related links. Review the slideshow and complete the attached quiz, then submit the quiz. Once finished, if not registered already, come by the counseling office to prepare to register for classes.

#### **STEP 5 – See a Counselor**

You can see a counselor on a first come, first served basis once you have completed the assessment tests and completed a New Student Orientation. Meeting with a counselor provides you with information on which courses are required to meet your educational goals.

#### **STEP 6 – Register for Classes on MyLassen LCC Portal**

On the LCC home page [www.lassencollege.edu](http://www.lassencollege.edu) (upper right hand corner) use your assigned user name and temporary password to log into **MyLassen** – click on **First time at the Portal** to register account and change password. Call the IT Help Desk if you need assistance. If unable to register online, fill out a registration card and submit to Admissions & Records. Payment is required before classes begin.

#### **Optional Steps – If applicable**

- **Transfer students** - Send all official college transcripts to Admissions and Records
- **Apply for Housing** – If interested in on-campus housing (dorms) – Contact housing Office
- **Apply for EOP&S (If Eligible)** – Extended Opportunity Program and Services (CA residents only)
  - Must have completed ALL 6 steps above, and have all official college transcripts on file in Admissions.
  - Check EOP&S for additional details on eligibility and requirements.

#### **QUESTIONS? CONTACT US!**

- **Admissions and Records** – 530.251.8808, fax 530.251.8802, email – [lccadmissions@lassencollege.edu](mailto:lccadmissions@lassencollege.edu)
- **Financial Aid** – 530.251.8849, fax 530.251.8894
- **Assessment Testing** – 530.251.8833
- **Counseling Office** – 530.251.8842, fax 530.251.8885, email – [lccounseling@lassencollege.edu](mailto:lccounseling@lassencollege.edu)
- **IT Help desk** 530.251.8844, email – [help@lassencollege.edu](mailto:help@lassencollege.edu)
- **EOP&S Advisor** – 530.257.6181 Ext 8953, email [mngiratmab@lassencollege.edu](mailto:mngiratmab@lassencollege.edu)
- **Housing Office** – 530.251.8879, email – [fbeaujon@lassencollege.edu](mailto:fbeaujon@lassencollege.edu)

# Enrollment - Step 1

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## Apply to Attend Lassen Community College

Lassen Community College is an open enrollment institution to the following prospective students:

1. California residents who are high school graduates, who possess a high school diploma, California Certificate of Proficiency, or a General Education Development (GED) Certificate.
2. Non-high school graduates over the age of 18 who can benefit from the instruction offered in a college.\*
3. A Special Admit student, defined as any person under the age of 18 without a high school diploma who can benefit from the instruction offered in a college.\*
4. International students who qualify in accordance with the Lassen Community College District policy on international students.\*
5. Out of state students who qualify in accordance with (1) or (2) above.

*\*The Lassen Community College Governing Board establishes admission criteria for students in these groups.*

## Application Process

To enroll at Lassen Community College you must submit a completed application through our website:

- Go to the college web site at [www.lassencollege.edu](http://www.lassencollege.edu) select the OpenCCC box on the main page to begin the application process for admission to Lassen Community College.

## Transcripts

**From High School** – Students should bring their high school transcripts to their first counseling session. These will be used as part of the multiple measures for assessment and course scheduling.

**From Other Colleges** - Students who have attended other colleges or universities should provide official transcripts from those institutions.

Transcripts are to be mailed to: Lassen Community College, Admissions and Records, P.O. Box 3000, Susanville, CA, 96130.

Transcripts submitted for evaluation become the property of Lassen Community College and cannot be returned to the student.

Lassen Community College reserves the right to evaluate work completed at other colleges. Transfer students with acceptable grades will be granted advanced standing provided the work completed corresponds with Lassen Community College curriculum.

## Special Admission Procedures

Certain populations of students have additional requirements for admission.

**Special Admit Students** –Lassen College Board Policy only admits special part-time students in grades 9-12 who do not have a high school diploma or have not passed the California High School Proficiency or GED examinations.

The Special Admit form is available in the Admissions and Records Office or the Counseling Office.

**International Students** -Lassen Community College encourages and supports students from other countries who have the academic background and potential to succeed in college. To be considered for admission the applicant must complete and return the **International Application for Admission** by July 15th, for the Fall semester and November 1st, for the Spring semester. For specific requirements go to [www.lassencollege.edu](http://www.lassencollege.edu) and refer to information for future students.

An international student with an F-1 Student Visa status must also:

1. Take the Lassen Community College Mathematics, Reading and Writing assessment.
2. Enroll each semester and complete a minimum of 12 units with a minimum 2.0 grade point average to maintain F-1 student status. Failure to maintain a full course of study may lead to dismissal from Lassen Community College and deportation from the United States.
3. Visa and I-20 must be valid at least six months ahead of the expiration date at all times.
4. Comply with all U.S. Immigration and Naturalization Service and Lassen Community College requirements.
5. Pay the non-resident tuition and other fees as required at registration.

International students are subject to the same academic standards for grading, probation and disqualification as all other students.

**Vocational Gunsmithing Program**-The College has limited enrollment in the Vocational Gunsmithing program. There is a process that students must follow to get themselves on the Gunsmithing waitlist. Information about the program may be found online at: <http://www.lassencollege.edu/academics/our-programs/gunsmithing>

**Vocational Nursing Program** -The College has limited enrollment in the Vocational Nursing program. There is an application process that students must follow. Information and program packets, including current requirements, can be obtained by contacting the Admissions and Records Office, the Nursing Program Director or online at: [www.lassencollege.edu](http://www.lassencollege.edu) Students/Admissions and Records/Special Student Populations.

## Residency Information

**Residency Requirements** - The California Education Code requires that Lassen Community College shall apply uniform rules determining a student's residency classification. A residency classification is to be determined for each student at the time of each



registration and whenever a student has not been in attendance for more than one semester. Each student shall provide the required information and evidence of residency outlined in "Establishing Residency" below. The day immediately preceding the first day of instruction for any term shall be the residency determination date and is determined when the student completes the Application for Admission.

**Establishing Residency** - In order to establish California residency, a student must first be a citizen of the United States, a permanent resident or an applicant for permanent residency, or on a visa status that does not preclude him/her from establishing domicile in the United States. The law also requires that the students show no contrary intent, that is, they must not have maintained residence status in their former state; driver license, taxes, car registration, etc. **The burden of proof rests with the student, not the District.** The residency laws do not permit campus officials to waive any portion of the residency requirements. Students must submit a request for reclassification prior to registration.

**Determining Residency** - Non-resident students do not automatically become California residents by merely living in the state more than one year. State law requires proof of intent to establish California residency.

Indications of intent include, but are not limited to, the following:

1. A record of filing a California state income tax return
2. A W-2 form with a California address
3. Maintaining permanent military address or "Home of Record" in California while in the armed forces
4. The possession of a California driver's license
5. Registering to vote in California
6. Establishing and maintaining an active California bank account
7. The possession of a California hunting or fishing license
8. Owning residential property in California
9. Financial independence from a parent or guardian to include the following:
  - a. not be claimed on parent or guardian's income tax return for the school year;
  - b. not receive more than \$750 in support from parents or guardians in any one year;
  - c. not live with parents or guardian for more than six weeks in any one year.

**Appeal of Non-Resident Classification** - Students who have been classified as non-residents have the right to review their classification and make a written appeal. Appeals are to be processed as follows:

1. The written appeal is to be submitted to the Admissions and Records Office within 30 calendar days of final notification by Lassen Community College regarding their classification.
2. The Admissions and Records Office will forward the appeal, within five working days of receipt, to the Dean of Student Services with a copy of the original application for admission, the residency questionnaire, and evidence or documentation provided by the student with a cover statement indicating upon what basis the residence classification decision was made.
3. Within 30 calendar days of receipt, the Dean of Student Services shall send a written determination to the student. The determination shall state specific facts on which the appeal decision was made.

**Incorrect Classification** – If the college incorrectly classifies your residency on the basis of false or misleading facts, you will be required to pay the nonresident fees.

## Enrollment - Step 2

### **Apply for Financial Aid**

Every student should apply for financial aid, regardless of income. Not all types of aid are based on financial need. You cannot know for sure if you are eligible for assistance unless you apply.

1. Complete the Free Application for Federal Student Aid (FAFSA) online at [www.fafsa.ed.gov](http://www.fafsa.ed.gov) listing Lassen Community College; school code 001217. FAFSA applications need to be filed annually and are available for the upcoming school year every January 1<sup>st</sup>. Since some forms of funding are limited, for best consideration you are encouraged to file your FAFSA annually by March 2<sup>nd</sup>. FAFSA applications are accepted and funds awarded to students throughout the school year. Apply for your personal identification number (PIN) at [www.pin.ed.gov](http://www.pin.ed.gov). You will use your PIN to electronically sign your FAFSA annually throughout your academic career.
2. California residents should complete and submit a Board of Governors (BOG) Fee Waiver prior to registering for classes. This application is available in the Financial Aid Office and online at <http://www.lassencollege.edu/admissions/financial-aid/index>. For those eligible, the BOG will waive only enrollment fees.
3. The U.S. Department of Education randomly selects some FAFSA applicants for what is called verification. Those selected for verification will be asked to submit the required additional forms.
4. Once all verification requirements have been satisfied you will be issued a Financial Aid Award Letter. The Award Letter will list the types of awards and amounts available to you. Student Loans and Work Study have additional requirements.
5. After your first semester of study you will be expected to meet with an Academic Counselor and to complete and follow an Educational Plan, successfully completing courses each semester as you progress toward your educational objective.

# Enrollment - Step 3

## Complete the Assessment Process

The College is serious about your success. The assessment process is an important first step for both the student and the counseling staff. Using the results of this assessment and other measures of your college readiness will guide you and your college counselor in selecting the best courses for each semester at Lassen Community College. To determine the best placement we would prefer assessment scores to be current, within the last two years. If you have test scores (i.e. AP, CLEP, SAT/ACT, ELM/EPT, EAP) or high school or college transcripts please provide them to the counseling department.

Reading, Writing and Mathematics COMPASS Assessment is required if your primary educational goal is to obtain a certificate, obtain a degree, or to transfer to a four-year university, if you are trying to demonstrate a prerequisite, if you are participating in intercollegiate activities, if you are an international student, if you are receiving financial aid or veterans benefits, or if you are a Special Admit K-12 student.

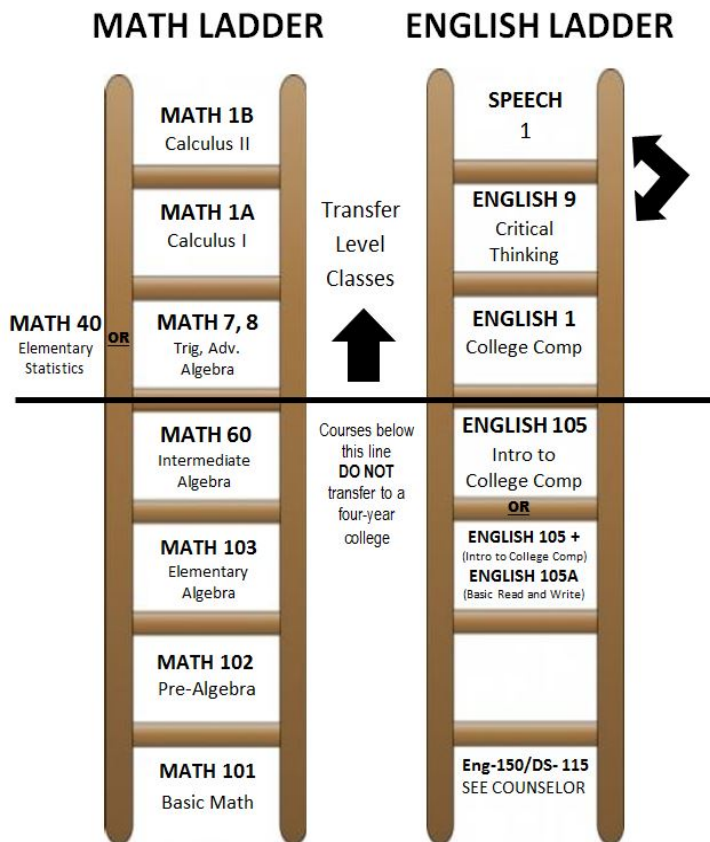
You will need your student identification number, which you should have received upon completion of the Lassen Community College application, and picture identification when you arrive at your assessment appointment.

**Appointments for taking the Assessment** can be made by calling 530.251.8833. The COMPASS test is approximately 2 hours long and your results are available immediately after you have finished. The results do not affect your eligibility for admission; they are used in conjunction with other multiple measures to assist you and the counselor in choosing appropriate classes.

**How to prepare for the COMPASS** - Reading, Writing and Mathematics skills are the foundation for your goals. Your COMPASS assessment scores help determine courses that are appropriate for you. Through the assessment process, you can test out of lower level courses to save yourself time and money. Consequently, do as well as you can on the assessment. For a "refresher" you can practice sample questions at [www.act.org/compass/sample](http://www.act.org/compass/sample). In addition, sample questions are available in the Assessment Office.

**Non-COMPASS Assessments** - If you are taking your assessment at another community college you will need to have your scores faxed to 530.251.8885 or you may bring a copy of your score report with you to your counseling session. The following information must be provided:

- Assessment scores
- The course number and title of the Mathematics, English and Reading recommended classes



**EVERY STEP IS A SEMESTER!**

**"C" OR BETTER TO TAKE THE NEXT STEP!**

## WHY IS THE ASSESSMENT TEST IMPORTANT?

It is safe to say that very few students want to spend more time, money and effort taking classes they don't need. But that is exactly what can happen if your assessment test results do not accurately reflect your abilities.

The purpose of college assessment testing is to determine the most appropriate course placement levels in math and English. If the assessment test is not taken seriously, you can score lower than your actual abilities and be placed in a math or English class you could have skipped had you done better on the test.

**←LOOK AT THE LADDER.** Based on your assessment test results, you will be placed in one of the listed math and English courses. **The higher on the ladder you place, the fewer courses you will have to take and pay for!**

There are many students who actually *need* to take a semester or more of remedial coursework in math or English before they are ready to take college level (transfer level) coursework.

But there are numerous other students, who *could* have tested a level or two higher, if they had just spent some time reviewing the math and English concepts they learned in high school.



**Prepare and SAVE TIME:** If you place in Math 101, it will take up to two and a half years to complete a transfer level math course. Each course takes up to 17 weeks to complete.



**Prepare and SAVE MONEY:** The average cost of one math textbook is between \$100 and \$200. If you don't need the class, you save the money!

The following websites can help you prepare for the assessment test.

View sample assessment questions here:

<http://www.act.org/compass/sample/>

Check out this study website:

<http://www.mometrix.com/academy/compass-test/>

# Enrollment - Step 4

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## Face to Face/Online Orientation

To learn about college policies, practices, and procedures, as well as answer any questions you may have, new students who plan to earn a degree, certificate, or transfer must complete Lassen College's orientation. For more information please call 530.251.8842.

# Enrollment - Step 5

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## Meet With a Counselor

All students are encouraged to meet with a counselor. Students completing orientation generally see a counselor following that orientation. Students, with the assistance of a counselor, are encouraged to plan a program of study that will follow their education plan. In addition, counselors are available all year from 8:00AM to 4:00PM and evening hours during the first week prior to registration and the first week of classes. If you have further questions, contact the Counseling Office at 530.251.8842.

# Enrollment - Step 6

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## Register

After you have completed your application for admission, your financial aid application, assessment, orientation, and counseling, you will be ready to register. Registration is the process by which students officially enroll in courses. Lassen Community College has three terms; fall, spring and summer in which a student may register. Students may register online at the Lassen Community College web site: [www.lassencollege.edu](http://www.lassencollege.edu), via My Lassen LCC Portal or in person at the Admissions and Records Office.

## Money Matters

### Enrollment Fees and Non-Resident Tuition

Students (California and non-residents) are required to pay an enrollment fee and, if applicable, non-resident tuition. California High School students are exempt from paying any registration fees according to Lassen College Administrative Procedure 5030. All fees are due at the time of registration. The fees structure is as follows:

#### California Resident Enrollment Fee

1 unit or more .....\$46 per unit  
0.5 units .....\$23 per ½ unit

#### Non-Resident Tuition for 6.5 or More Units

6.5 or more units, including Enrollment Fee .... \$247 per unit

#### Non-Resident Tuition for 6 or Less Units

1 - 6 units, including Enrollment Fee .....\$92 per unit  
0.5 units, including Enrollment Fee .....\$52 per ½ unit

**NOTE:** The fees listed in this catalog are those in effect at the time of printing. Enrollment fees are subject to change through California State Legislation. Other fees are subject to change through Lassen Community College Board of Trustees action as judged to be in the best interest of the College. Please consult the current course schedule for the appropriate fees.

### Non-Resident Fee Exemption--AB540

Effective January 1, 2002, AB540 provides an exemption from paying non-resident fees for certain non-resident students. While this exemption allows students to pay resident fees, it does not grant them resident status that would give them eligibility for any state funded program. To be eligible for this exemption a student must meet both of the following criteria:

- Attendance at a high school in California for three or more years.
- Graduation or attainment of a high school equivalency from a California high school.

Effective January 1, 2013, financial aid is available to students who qualify for the Dream Act.

## Auditing

**Auditing Fees** - The fee for auditing a class is \$15 per semester unit. Additionally, the health fee, material fees (if applicable) and other optional fees are due at the time of registration. Students enrolled in courses to receive credit for ten or more semester credit units shall not be charged a fee to audit three or fewer semester units per semester.

**Auditing Refunds** - A student will be refunded only if the course has been cancelled or if the student drops within the first two weeks of a full term course or the first day of class on a short-term course. For more information on auditing a course, see "Audit Policy" on page 14 in this catalog.



## Credit by Examination

The fee for Credit by Examination is equal to the per unit enrollment fee set by the State of California Community Colleges.

A student may challenge a course for college credit by completing a *Credit by Examination* application using the procedure adopted by the Lassen Community College Curriculum/Academic Standards Committee. For more information, see Credit by Examination under Academic Policies in this catalog.

Specific information as to the procedure to be used in applying is available at the Admissions and Records Office.

## Health Fee

The Health fee is collected to cover the cost of student accident insurance. Health fees are as follows:

### Fall and/or Spring Semester

Part time students - 0 to 11.5 units..... \$5.00

Full time students - 12 or more units..... \$7.50

### Summer Session

Part time students – 0 to 5.5 units..... \$3.50

Full time students – 6 or more units..... \$5.00

**Health Fee Waivers/Exemptions** - this fee can be waived for students who depend exclusively upon prayer for healing in accordance with the teachings of a bona fide religious sect, denomination or organization. A student may request to be exempted by petitioning through the Dean of Student Services Office. The Health fee may not be waived when a student qualifies for a Board of Governor's Fee Waiver (BOG). Health Fees are not optional.

**Health Fee Refunds** – The Health fee is automatically refunded on cancelled classes. It is also refunded to students who totally withdraw within the first two weeks of full term courses. For the refund status on short-term classes, contact the Admissions and Records Office.

## Instructional and Other Material Fees

In addition to enrollment fees, the College may charge an instructional materials fee to students for instructional and other materials necessary for some courses. Check with the Admissions and Records Office for the most current fee information. These fees may not be waived with the Board of Governor's Fee Waiver (BOG) and are not optional.

**Instructional and Other Material Fees Refunds** - The instructional and other materials fees are automatically refunded on cancelled classes or for classes dropped within the first two weeks of a full term class. Check with the Admissions and Records Office on refund status for short-term classes.

## Student Activities Fee

**The Student Activity Fee** -This optional \$1.00 per semester student activities fee (fall and spring terms only) is assessed on all students taking 6 units or more. The money collected from this fee supports the activities of the Associated Student Body (ASB) at Lassen Community College. This fee pays for ASB sponsored social activities, recreational and athletic activities, and other programs. A list of students who paid this optional fee will be provided to the Lassen Community College Associated Student Body and they will use the list to provide you with access to their sponsored activities, discounts on entrance to college athletic contests, etc.

**The Student Activity Fee Waiver** - Students may complete a waiver request on the back of the registration card or submit a signed and dated written request when registering for the course to opt out of paying this fee.

**Student Activity Fee Refunds** - Because this is an optional fee, it is not refundable.

## Transcript Request Fees

Transcript requests must be submitted to the Admissions and Records Office. The first two Official Transcripts are provided for free. Charges for additional transcripts are as follows:

- \$5 per Official/Non-Official Transcript request – please allow five (5) business days.
- \$10 per express Official/Non-Official Transcript request – please allow twenty-four (24) hours.
- \$15 per On-Demand Rush Official/Non-Official Transcript request – not available during busy times.

All transcript requests must be made in writing and submitted to the Admissions and Records Office.

Transcripts from other institutions submitted for evaluation become the property of Lassen Community College and cannot be returned to the student.

Lassen Community College transcripts will be withheld for any indebtedness due until satisfactory repayment arrangements are made with the Business Office. Transcript Request Forms are available at the Admissions and Records Office or may be printed from the Admission and Records page at the college website - [www.lassencollege.edu](http://www.lassencollege.edu).

## Student Representation Fee

This is an optional fee of \$3 per semester. The money collected from this fee is used to provide support for students or representatives who state positions and view-points before city, county and district governments and before offices and agencies of the state and federal government. Payment of this fee provides the student with ASB (Associated Student Body) membership.

**Student Representation Fee Waiver** - Students may petition in writing, at the time of registration, to waive this fee for religious, political, financial or moral reasons through the Admissions and Records Office.

**Student Representation Fee Refunds** - Because this is an optional fee, it is not refunded.

# After Enrollment

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## Buy Your Textbooks

The bookstore carries required textbooks and supplies for classes offered at the college. Miscellaneous school supplies are available along with logo clothing, art supplies, and various snacks. The community is invited to stop by and see what the bookstore has to offer. The bookstore is located in the Student Union – housed with the Cougar Café: Cougar Café hours are Monday – Friday from 7:30 a.m. to 4:00 p.m. Bookstore is staffed from 8:30 a.m. to 4:00 p.m.

All college texts are now ordered online. Go to <http://bookstore.lassencollege.edu> to purchase your texts. It's a simple process. Select Textbooks and follow the directions. Once you have chosen all of your textbooks you will be directed to Checkout where you will pay for your books. The Bookstore accepts payment by credit Visa & Master card (only these books can be shipped), Scholarship, Department of Rehabilitation, EOP&S, Cal Works, or you can pay when you pick up your books. Selected books can be rented through the bookstore.

After you have completed the process you will receive an e-mail confirming your order. When the Bookstore has completed your order, you will receive an e-mail notifying you your books are ready. Books can be picked up between 8:30 a.m. to 4:00 p.m. Students must bring their student identification card with them in order to pick up their books. If you are unable to pick your books up at these times you may either have your texts mailed directly to your home or you may contact 530.251.8881 to make special arrangements for pick up.

## Refunds

Students are eligible for a refund during the first 2 weeks of class (full semester classes) and must have the current receipt. The refund will be processed through the student accounts office at the conclusion of the semester or upon written request from the student. It is the responsibility of the student to officially withdraw from a course to be eligible for a refund.

College books are often as expensive or more expensive, than the tuition costs paid by most California residents. There are 2 ways to save money on book costs:

- 1 Buy used books in the bookstore or check the bulletin boards. The Bookstore works with several vendors to purchase as many used books as possible.
- 2 Rent a book at the bookstore. Any book which costs over \$100 is available to rent through the bookstore.
- 3 Use the Lending Library. Students who meet specific financial aid criteria can use the Lending Library located in the Bookstore. For specific information please call 530.251.8881.
- 4 See if you qualify for CalWORKs or EOP&S and they can assist you in book vouchers or with their lending libraries.

# Follow Up and Support Services

All full time students are encouraged to meet with a counselor during their first semester of enrollment to prepare an educational plan. The educational plan outlines the courses that a student will need to complete in order to reach his or her educational goal. Plans can be revised at any time whenever the counselor and student believe it is appropriate or necessary. College research shows that students with firm educational goals are more successful in their college careers.

Lassen Community College counselors are knowledgeable about prerequisites and transfer requirements. They will assist you in arranging your academic plan so that you will fulfill all the requirements for graduation or transfer to another institution. To avoid any misunderstanding in this regard, the student should schedule to complete an education plan during their first semester and also must see a counselor when a change of educational plan is considered.

# Course Enrollment Policies

## Attendance

A student must be officially enrolled to attend classes. The student is responsible for adding and dropping classes. Regular attendance is a critical factor in student success. A student withdrawing from Lassen Community College has the responsibility of notifying Admissions and Records and completing all necessary paperwork.

## Changes in Course Enrollment

**Adding Courses** - There is an acceptable time frame for adding classes after they have already begun. Students may enroll in open courses that begin in the first week of the semester through the end of the first calendar week of instruction without the instructor's signature. For courses that begin after the first day of a term please ask for assistance from the Admissions and Records Office.

**Dropping Courses** - A student may drop a full term course at any time through the end of the second week of a semester without the course appearing on the student's record. After that time, a student officially withdrawing will receive a "W" on their academic transcript. Students may drop a course with a "W", up to the end of the thirteenth week (or 75% of the course). It is the students'

responsibility to drop a course. Failure of a student to drop from a course may result in an "F" in the course. The instructor may also initiate dropping a student from class before the thirteenth week (or 75% of the course).

**Withdrawal from College** - Withdrawal from college is defined as the cancellation of enrollment in all classes in which the student is enrolled. Responsibility for withdrawal rests with the student. This may be done online using My Lassen LCC Portal or by submitting a completed Add/Drop form in the Admissions and Records Office. Ceasing to attend classes does not constitute official withdrawal.

**Refunds on dropped or withdrawn courses** - For information on refunds for dropped or withdrawn courses see "Refunds" under Money Matters in this catalog.

**If you received Federal Financial Aid and then withdrew from all of your courses**, you may owe money back to the federal government. See the Financial Aid Office staff for options available to you. For more information see "Financial Aid and Scholarships" in this catalog.

### **Audit Policy**

When a student audits a course, this means the student intends to sit in on that course on a regular basis, but does not wish to receive any academic credit for it. Auditing is allowed at Lassen Community College under the following conditions.

1. The fee for auditing a course is \$15 per semester unit. Students enrolled in courses for 10 or more semester credit units shall not be charged a fee to audit three or fewer units per semester.
2. Auditing a course is allowed on a space available basis. The determination may not be made until after the first class meeting, to ensure that priority is given to students enrolled in the course for credit towards a degree or certificate.
3. The instructor must approve any student wishing to audit a class. Students auditing a course shall not be permitted to change his or her enrollment to receive credit for the course.

For more information regarding fees and refunds on audited courses, refer to "Money Matters" found on page 11 in this catalog.

Audited courses appear on the student's academic transcript and are annotated as such by each course audited with 'AU'. Auditing forms are available in the Admissions and Records Office.

### **Cancellation of Courses**

Lassen Community College reserves the right to cancel planned or scheduled courses due to insufficient enrollment, inability to assign a qualified instructor, or for other circumstances unforeseen at the time of the Schedule of Classes publication. In the event a course is cancelled, efforts will be made to help students enroll in other courses consistent with their interests.

### **Course Conflict/Overlapping Courses**

State law prohibits students from enrolling in courses that meet at the same time. Students that have classes overlapping 30 minutes or less may pick up the *Alternate Time Petition* form from the Admissions and Records or counseling offices to request approval to take courses that overlap. Special permission may be granted if a solution to the overlap can be found.

### **Repetition of Courses**

Courses may be repeated when the following conditions exist:

1. **Student Repetition – Satisfactory Grade Received**
    - a. Satisfactory grade as indicated by a grade of A, B, or C.
    - b. Students earning a satisfactory grade may not enroll in that course again unless an exception applies (see number 3 below).

**or**

    - c. The District has designated the course as repeatable in the catalog - repeatability is limited to:
      - 1) Courses in which student athletes enroll to participate in an organized competitive sport sponsored by the District or a conditioning course which supports the organized competitive sport,
      - 2) Active participatory courses in physical education, and visual or performing arts that are related in content are limited to up to four enrollments total in levels and/or variations. (A course related in content includes any course with similar primary educational activities in which skill levels or various are separated into distinct courses with different student learning outcomes for each level or variation.)
  - d. Students may enroll for a maximum of 3 non-satisfactory attempts, including summer sessions, in each course taken for credit. Enrollments include any combination of "W" and repetition with a grade.
2. **Student Repetition– Unsatisfactory Grade Received**
    - a. Unsatisfactory grade as indicated by a grade of D, F, FW, or NP.
    - b. Students may enroll for a maximum of 3 non-satisfactory attempts, including summer sessions, in each course taken for credit. Enrollments include any combination of "W" and repetition with a grade.
  3. **Exceptions that permit additional enrollments:**
    - a. A satisfactory grade may or may not have been recorded; and
    - b. Required for legally mandated training; or
    - c. A minimum of thirty-six (36) months have elapsed and the District has established a recency prerequisite for the course or an institution of higher education to which the student seeks to transfer has established a recency requirement that applies to the course or
    - d. Significant change in industry or licensure standards such that repetition of the course is necessary for that student's

- employment or licensure or
- e. Extenuating circumstances exist which justify such repetition (i.e. verified cases of accidents, illness or other circumstances beyond the control of the student) or
  - f. Complete one time the entire curriculum of the course for variable unit courses offered on an open-entry/open-exit basis
4. **Students Eligible for Disabled Student Programs and Services (DSP&S)** are permitted additional repetitions of developmental studies courses to provide accommodations for a student's educational limitations, pursuant to state and federal nondiscrimination laws, under the following circumstances:
- a. When continuing success of the student in other general and/or developmental studies courses is dependent on additional repetitions of a developmental studies course;
  - b. When additional repetitions of a specific developmental studies course is essential to completing a student's preparation for enrollment into other regular or developmental studies courses; or
  - c. When the student has a student educational contract, which involves a goal other than completion of the developmental studies course in question and repetition of the course will further the achievement of that goal.
  - d. Questions can be directed to the Disabled Students Coordinator at 530.251.8867.

Whenever course repetition occurs, the permanent academic record shall be annotated in such a manner that all work remains legible, insuring a true and complete academic history.

For certain exceptions, a petition must be filed by the student and signed by the Vice President of Academic Services/Athletic Director granting permission for the repetition.

**Note: Financial Aid may not be awarded for some repeated courses.**

### **Basic Skills Limitation**

Enrollment in pre-collegiate basic skills course work (generally numbered 100-109) is limited to 30 units of instruction except for students enrolled in English as a Second language courses or who are identified as having a learning disability. The 30 unit limitation may be waived if a student shows significant, measurable progress toward the development of skills appropriate to their enrollment in college-level courses.

### **Waiver or Substitution of Courses**

A student may request permission to waive or substitute a course for one that is required to complete degree or certificate requirements. Petitions regarding requirements must be approved by the Vice President of Academic Services/Athletic Director. Students may petition through the Counseling Office.

### **Change of Records**

Any change of a student's address or residence, phone number, or email address must be reported in writing to the Admissions and Records Office. Although this may not seem crucial at the time the change is made, financial aid checks, paychecks, tax documents, and important registration and graduation information from the college may not reach its intended destination if this information is not kept up to date. For a change or correction of a student's name, the student must provide a valid photo ID. To correct a social security number, the student must present their social security card.

# Academic Policies

Lassen Community College has a number of policies, regulations and requirements that students must follow. Some of these are locally established by the Lassen Community College District Board of Trustees, while others are set by the State of California in the Education Code and Title 5. They cover such areas as grades, course credit, honors, probation, dismissal and graduation.

### **Academic Calendar**

Lassen Community College operates on a semester basis with a summer session. The Academic Calendar is available online at [www.lassencollege.edu](http://www.lassencollege.edu) or on the inside front cover of this catalog.

### **Academic Freedom**

The Lassen Community College District seeks to encourage and protect academic freedom and responsibility in all academic environments. The District is committed to the free pursuit and dissemination of knowledge, and supports the integrity of the teaching-learning process. The Board of Trustees, administration, faculty, staff and students all bear an obligation to protect, preserve and promote academic freedom. For faculty, academic freedom constitutes the right to interpret their fields and to communicate without interference or penalty. For students, academic freedom allows them to think critically and to express and defend their views without penalty from the faculty or college.

### **Classifications of Students**

- Full-time – Enrolled in 12 or more units for the fall or spring semester or in six or more units for summer
- Part-time – Enrolled in less than 12 units for the fall and spring semester or for less than six units for summer
- Freshman – A student who has completed less than 30 units
- Sophomore – A student who has completed 30 units or more
- Graduate – A student who has been awarded an associate degree



## Final Examinations

The college requires final examinations in all lecture courses. The college publishes a time schedule for final examinations early in each semester, so that students may be notified in sufficient time regarding the examination schedule.

## Grade Reports

As soon as possible following final examinations at the end of each semester, a student's grades will be accessible through My Lassen LCC Portal or through the Admissions and Records Office.

## Grading

A student's work, upon the completion of each course, is graded using one of the following grading categories:

1. Letter grades only A, B, C, D, F
2. Pass (credit)/No Pass (no credit)
3. Letter or Pass (credit)/No Pass (no credit)
4. Failure to withdrawal – FW

Every course for which a student registers will be posted on the student's transcript with the following exceptions:

- A course dropped prior to the end of the second week of instruction of a full term course or 30 percent for shorter than term length courses.
- A course that Lassen Community College cancels.
- A course dropped in order to transfer to a parallel course.
- The table below shows the possible grades and the corresponding grade points.

A – Excellent	4 grade points per unit
B – Good	3 grade points per unit
C – Satisfactory	2 grade points per unit
D – Passing less than satisfactory	1 grade point per unit
F – Failing	0 grade points per unit
P – Pass at least satisfactory	0 grade points per unit
NP – Less than satisfactory or failing	0 grade points per unit
FW – Failure to withdraw	
I– Incomplete	Does not affect grade point standing
W – Withdrawal	Does not affect grade point standing
IP – In progress	Does not affect grade point standing
RD – Report delayed	Does not affect grade point standing
MW – Military withdrawal	Does not affect grade point standing

**Incomplete Grades** - Incomplete academic work for unforeseeable, emergency, and justifiable reasons at the end of the term may result in an "I" symbol being entered in a student's record. The condition for the removal of the "I" shall be stated by the instructor in a written record. This record shall contain the conditions for the removal of the "I", the grade assigned in lieu of its removal, and the period of time allowed, as determined by the instructor, to make up the "I" grade. This record must be given to the student with a copy on file with the registrar until the "I" is made or the time limit has passed.

**IP - In Progress Grade** – The "IP" symbol shall be used only following the grade point averages. If a student enrolled in an open-entry, open-exit course is assigned an "IP" at the end of an attendance period and does not enroll in that course during subsequent attendance period, the appropriate faculty will assign an evaluative symbol (grade) to be recorded on the student's permanent record of the course.

**RD - Report Delayed** - The "RD" symbol can be assigned by the registrar only. It is used only when there is a delay in reporting the grade of a student due to circumstances beyond the control of the student. It is a temporary notation to be replaced by a permanent symbol as soon as possible. "RD" shall not be used in calculating grade point averages.

**W – Withdrawal** - Withdrawal from a course or from the college is defined as the cancellation of enrollment in courses in which the student is enrolled. **Responsibility for withdrawal rests with the student.** This may be done online using My Lassen LCC Portal or by submitting a completed Add/Drop form in the Admissions and Records Office. Ceasing to attend classes does not constitute official withdrawal. Failure of a student to withdraw formally may result in an "F" in the courses in which the student is enrolled.

## Pass/No Pass (Formerly Credit/No Credit)

It is the policy of Lassen Community College to enable students to enroll in designated courses on a pass/no pass basis. This can be done at the Admissions and Records Office.

**Eligibility Requirements for Pass/No Pass (Credit/No Credit)** - The student must elect to be evaluated on a pass/no pass basis no later than:

1. The end of the fifth week of a regular, full-term course.
2. Thirty percent of a class shorter than full-term, but longer than two weeks.
3. The time of enrollment for a class two weeks or shorter length.

### **Grade Point Average (GPA) Calculation**

GPA is computed by dividing the total number of grade points earned by the total number of units attempted, not including units in courses where the grade is P-Pass (CR-Credit), NP-No Pass (NC-No Credit), I, IP, RD or W. In calculating degree-applicable grade point averages, grades earned in non-degree applicable courses are not included.

The GPA is used in determining eligibility for academic achievement, academic and progress probation/dismissal, eligibility for an associate degree and/or certificate of completion, graduation with honors/high honors, and some scholarships. Students are encouraged to pay constant attention to their grade point average.

### **Prerequisites, Co-requisites and Recommended Preparation**

**Prerequisites** - Some courses have prerequisites. A prerequisite is a course that a student must take prior to another course and usually has information that is needed in the next course. For example, you must complete, Math 103 – Elementary Algebra to be eligible for Math 60 – Intermediate Algebra. When a course is listed as a prerequisite, that course must have been completed with a grade of “C” or better. Sometimes you can fulfill the need to take a prerequisite through the assessment process, which includes the use of multiple measures. These multiple measures include completion of an assessment test in Mathematics, English and Reading, plus other measures of your readiness to successfully complete courses with a prerequisite.

**Co-requisites** - are courses that a student is required to take concurrently in order to enroll in a particular course.

**Recommended Preparation** - Some courses have “recommended preparation” which means that the student is advised to, but not required to complete, before or in conjunction with enrollment in the recommended preparation course.

**Prerequisite Challenge** - Students have the right to challenge a course prerequisite. A challenge by a student can be made under any of the following conditions:

- Prerequisite or co-requisites has not been properly established.
- A prerequisite or co-requisite is either unlawfully discriminatory or is being applied in an unlawfully discriminatory manner.
- The student has the knowledge and ability to succeed in the course despite not meeting the requirements.
- The student will be subject to undue delay in attaining the goal of his/her educational plan because the prerequisite or co-requisite course has not been made reasonably available.
- The student seeks to enroll in a course which has a prerequisite established to protect health and safety and the student demonstrates that he or she does not pose a threat to himself/herself or others.

For additional information and the appropriate forms, please contact the Counseling Office at 530.251.8842 or stop by the office.

### **Student/Faculty Grade Disputes**

Students are responsible for maintaining standards of academic performance established for each course in which they are enrolled. Situations creating concern should first be discussed directly with the instructor. If this action does not produce adequate clarification of the issue and a satisfactory resolution, a student may process an appeal. The Vice President of Academic Services/Athletic Director will administer the appeal process.

### **Academic Renewal**

It is the intent of the Lassen Community College District to alleviate previously recorded, substandard academic performance that is not reflective of a student’s demonstrated ability. The petition eligibility requirements and the application are available from the Admissions and Records Office or on the Lassen Community College web site under Students/Admissions and Records/forms.

### **Non-Traditional Ways to Earn Credit**

#### **Credit by Examination**

The Credit by Examination petition process is approved by the Lassen Community College Curriculum/Academic Standards Committee and maintained in Academic Services.

Specific information as to the procedure to be used in applying for Credit by Examination is available at the Admissions and Records Office. A student may challenge any of the requirements by presenting their written appeal to the Vice President of Academic Services/Athletic Director.

**Credit by Examination Fees** -The fee for Credit by Examination is equal to the per unit enrollment fee set by the State of California for California Community Colleges. If a student is eligible for the Board of Governors (BOG) fee waiver it does not pay for credit earned through Credit by Examination. Credit by Examination units will not be counted for Financial Aid purposes. Payment is due at the time the Credit by Examination is entered by Admissions and Records staff.

**Credit by Examination Refunds** - No refund is given after a student has officially submitted their completed petition to the Admissions and Records Office.

## **Advanced Placement Examination Credit for General Education Credit**

Lassen Community College may award general education credit toward associate degrees to the students scoring a 3, 4, or 5 on Advanced Placement examinations. Students should have test scores sent to the Counseling Office. Each transfer institution will determine the number of units awarded and courses satisfied according to individual campus policies. For specific course information, students are encouraged to meet with a counselor.

## **International Baccalaureate (IB) Credit for General Education Credit**

Lassen Community College may award general education credit towards associate degrees to students scoring a 5, 6, or 7 on International Baccalaureate tests. Students should have test scores sent to the Counseling Office. Each transfer institution will determine the number of units awarded and the courses satisfied according to individual campus policies. For specific course information, students are encouraged to meet with a counselor.

## **College Level Examination Program (CLEP) Credit for General Education Credit**

Lassen Community College may award general education credit towards associate degrees for successful performance on CLEP General Examinations. Upon submission of CLEP Examination Reports to the Counseling Office, units of credit may be awarded, provided a specific score for awarding credit is obtained. Credit awarded may be substituted for coursework applicable to degree and certificate requirements, and also may be used for transfer to four year colleges and universities, subject to limitations imposed by those institutions. For specific course information, students are encouraged to meet with a counselor.

## **Honors**

Students who have completed 12 or more semester units of letter-graded work at Lassen Community College are recognized for their academic achievements. Graduation honors will be indicated in the commencement program and on the student's transcript. The designation of honors in the commencement program is based on the cumulative grades earned during the semester preceding a student's graduation. Transferable units from other colleges will be reviewed to determine units attempted, but will not be included in the students cumulative GPA.

### **Academic Honors Awarded**

**Dean's Honors** – a cumulative GPA of 3.25 to 3.49 for students enrolled in 12 or more academic units (overall).

**Vice Presidential Honors** – a cumulative GPA of 3.5 to 3.74 for students enrolled in 12 or more academic units (overall).

**Presidential Honors** – a cumulative GPA of 3.75 or higher for students enrolled in 12 or more academic units (overall).

### **Probation and Dismissal**

Pursuant to the Education Code and District Policy, a student can be placed on probation for two reasons:

- Unsatisfactory academic performance.
- Unsatisfactory progress in course work.

Failure to fulfill academic responsibility is considered to be a serious matter by the college. Accordingly, the following probation and suspension policies have been adopted:

1. **Academic Probation:** A student who has attempted at least 12 semester units at Lassen College as shown by the official academic record shall be placed on probation if the student has earned a Lassen College grade point average of less than 2.0.
2. **Progress Probation:** A student who has enrolled in at least 12 semester units at Lassen College as shown by the official academic record shall be placed on progress probation when the percentage of all units in which entries of "W", "I" and "NP" are recorded reaches or exceeds fifty percent from Lassen College units.
3. **Removal of Academic Probation:** A student on academic probation for a grade point deficiency shall be removed from probation when the student's accumulated grade point average from Lassen College units is 2.0 or higher.
4. **Removal of Progress Probation:** A student on progress probation because of an excess of units for which entries of "W", "I" and "NP" are recorded shall be removed from probation when the percentage of units in this category drops below fifty percent for Lassen College units.
5. **Academic Dismissal:** A student who is on academic probation shall be subject to dismissal if the student earned a cumulative grade point average from Lassen College of less than 2.0 for three consecutive semesters, not including summer.
6. **Progress Dismissal:** A student who is on progress probation shall be subject to dismissal if the percentage of units in which the student has been enrolled at Lassen College, for which entries of "W", "I" and "NP" are recorded for three consecutive semesters reaches or exceeds fifty percent, not including summer.
7. **Notification of Probation and Dismissal:** Lassen Community College shall make every reasonable effort to notify a student of academic probation or dismissal at or near the beginning of the semester in which it will take effect; but in any case, no later than the start of the fall semester. Lassen Community College shall also make every reasonable effort to provide counseling and other support services to a student on probation to help the student overcome any academic difficulties.

**Reinstatement** – Students will be eligible for reinstatement following a semesters' absence upon petition to the Dean of Student Services and the Dean of Student Services approval.

## Unit of Work

College work is measured in terms of the “semester unit”. A semester unit calls for one-hour of lecture, three hours of laboratory or any combination thereof per week for one semester. In lecture type courses, one hour in the classroom and two hours of outside preparation ordinarily constitute a unit of work. In the laboratory, three hours in the classroom may constitute one unit of work. The number of units of credit offered for each course may be found under “Course Descriptions”.

## Unit Limitations

Students who wish to register for more than 18 units must have the written approval of a counselor and must petition to the Dean of Student Services. Approval to register for more than 18 units will be considered for students who have an overall cumulative grade point average of at least 2.75. Students, who enroll in more than 18 units without obtaining the required approval, will be administratively dropped from the most recently added courses. The student and instructor will be notified should this occur.

## Non-Traditional Learning

Lassen Community College recognizes that people have had learning experiences in many non-college situations equivalent to those obtained in college courses. We provide for evaluation of such non-traditional learning experience as Advanced Standing, USAFI/DANTES, formal military service schools and military service.

Non-traditional credit will be officially evaluated upon request or when the student petitions for graduation from Lassen Community College. The maximum credit for all non-traditional credit accepted may not exceed 12 semester units.

Students planning to transfer to a four-year college or university should note that non-traditional credit accepted by Lassen Community College may not be acceptable for transfer.

Students should check with prospective transfer colleges regarding their policies on non-traditional credit. Re-evaluation at the four-year institution may be an advantage to the transfer student since upper division credit may be allowed.

# Student Life and Activities

## Associated Student Body

The Associated Student Body (ASB) is the representative body of Lassen Community College students. All currently enrolled Lassen Community College students who have purchased a current ASB card shall be members of the ASB. All members are entitled to reduced or free admission to all of its activities, bookstore services and local merchant’s discounts.

During the spring semester, students will elect ASB officers to represent the students to the college administration and the District Governing Board. The elected officers include the President, Vice-President, fifteen Senators, and Student Trustee. The Associated Student Body appointed officers are the Secretary and Treasurer.

The Associated Student Body President appoints students to serve on Lassen Community College committees. The Executive Council and Student Body Council exercise the powers and duties of the ASB Government.

The Associated Student Body and the Dean of Student Services will approve new clubs and student organizations. If students are interested in becoming a member of a club or if they want to start their own organization, they should contact the ASB.

The ASB officers meet once each week. ASB meetings are open to the public and include an opportunity for students and others to share their views. The ASB office is located in the Dorms, room 125. Please call 530.257.6181 ext. 8932 or email [lccasb@lassencollege.edu](mailto:lccasb@lassencollege.edu) for additional information.

## Organizations

In order to secure the most from college life, students are encouraged to participate in one or more of the many clubs on campus. These clubs offer many diversified opportunities to students for both social and educational contracts. Each club elects its officers and plans its own program for the semester. How successful it becomes depends largely upon the enthusiasm of its membership. If students are interested in becoming part of a club or if they want to start their own organization they should stop by the Associated Student Body Office, located in the Student Dormitory Building.

## Phi Theta Kappa National Honor Society

Beta Omicron Xi Chapter Lassen College was established in 2006, Phi Theta Kappa International Honor society serves to recognize and encourage the academic achievement of two year college students and provide opportunities for individual growth and development through honors, leadership and service programming. The focus of Phi Theta Kappa is scholarship, leadership and service to the community. In addition to recognition of academic excellence members enjoy fellowship, opportunities for leadership and a chance to provide service to the community and access to Financial Aid assistance for those who plan on transferring to a four year university. See the Phi Theta Kappa website at [www.ptk.org](http://www.ptk.org).

## Athletics

Lassen Community College supports the theory that athletics makes an important contribution to the total education process. The college participates in a well-rounded program of intercollegiate athletics. Cougar teams compete in men and women’s basketball, soccer and rodeo, men’s baseball and wrestling, and women’s softball and volleyball.

Lassen Community College is a member of the Golden Valley Conference. All athletes at Lassen Community College are covered by



insurance and must have a physical examination before participating in sports. Lassen Community College athletes will participate in in-state competition.

Lassen Community College athletic programs are sanctioned by the Commission on Athletics (COA). Eligibility criteria:

- 1 No student shall represent the college in any athletic contest unless they are enrolled in twelve units of work in regular or special courses as defined in the curricula of this institution.
- 2 In meeting the units-of-work requirement, subjects, which have been failed, may be repeated, but those that have been completed with passing marks may not be repeated and will be included in meeting this requirement.
- 3 In order to be eligible for a second sport, a student who has previously participated must have completed in the last term or semester of attendance at least twelve units of work. To be eligible for the second season sport, the student athlete must complete and pass 27 semester units between seasons of competition.

# Students Rights, Freedoms And Responsibilities

## **Responsibility**

Students are responsible for their own academic success. Regular attendance and participation are crucial factors in student success.

## **Rights and Freedoms**

Lassen Community College is an academic community with membership consisting of students, faculty and staff. Its purpose is to provide an agreeable atmosphere for developing men and women both scholastically and socially. Free inquiry and expression are necessary aids in the development of resourceful and analytic thought processes.

This community requires a system of guidelines for organized activity on campus. Primary responsibility for preserving the system of order rests with individuals of the community. Students must accept responsibility for their actions and values, recognizing that they reflect upon the entire college community.

## **Access**

Within the limits of its facilities, this institution shall be open to all students who are qualified according to its admission standards. Under no circumstances shall a student be barred on the basis of race, color, sex, creed, religion, nationality, age, marital status, or disability.

## **Expression**

Students are free to express their views on issues of institutional policy and on matters of general interest to the student body. They are free to support causes by orderly means, which do not disrupt the regular and essential operation of the college. Students, through established school committees, may help establish policies concerning student academic and nonacademic affairs.

## **Association**

Students are free to form and join associations according to standards set by the Associated Student Body and the Student Rules of Conduct.

## **Disclosure**

Information about students or student's beliefs and views, which teachers, counselors or administrators may obtain, are confidential. Students can consent to the disclosure of judgments on ability and character if circumstances warrant.

## **Student Rules of Conduct**

Standards of conduct are applicable to all members of the college community, visitors, and guests. Student rules of conduct are designed to promote individual and group governance in accordance with dignity, decency, and maturity.

In particular, such standards are directed toward social and living relationships pertinent to the college. The following misconduct for which students are subject to college discipline applies at all times on campus and applies to any off campus function sponsored or supervised by the college

- Dishonesty, such as cheating, plagiarism, or knowingly furnishing false information to the college.
- Forgery, alteration, or misuse of college documents, records or identification.
- Obstruction or disruption of teaching, research, administration, disciplinary proceedings, or other college activities, including its public service functions or of other authorized activities.
- Physical abuse of any person or conduct, which threatens or endangers the health or safety of any such person.
- Theft of or damage to, property of the college, its officers, employees, students, or visitors.
- Unauthorized entry to or use of college facilities.
- Violation of college policies or of campus regulations, including campus regulations concerning the registration of a student

organization or the time, place, and manner of public expression.

- Intoxication from the use of alcohol or being under the influence of unlawful drugs or unlawfully distributing, selling, or possessing of the same on college property or at events sponsored by the college.
- Failure to comply with directions of college officials acting in performance of their duties.
- Gambling on college property.
- Hazing or any act that injures, degrades, or disgraces any fellow student or person attending the college.
- Sexual harassment.

## Student Discipline

The Dean of Student Services shall exercise general supervision over the conduct of students. The authority for sanctions for students who fail to accept responsibility to abide by Standards of Conduct is provided in the Lassen Community College Policy Book, Section 5380 and in compliance with the California Education Code.

The following shall comprise the range of official college sanctions, which may be taken as a result of any disciplinary hearing. Sanctions may be imposed only after a disciplinary hearing at which the student has had the opportunity to be present.

1. **Warning** - Notice to the student that continuation or repetition of specified conduct may be cause for other disciplinary action.
2. **Censure** - Written reprimand for violation of specified regulation.
3. **Conduct Probation** - Exclusion from participation in designated privileges or extracurricular college activities for a specified period of time.
4. **Restitution** - Reimbursement for damage or misappropriation of property. Reimbursement may take the form of appropriate service to repair or otherwise compensate for damages.
5. **Interim Suspension** - Exclusion from Classes and other designated privileges or activities for a definite period of time. (Education Code Section 10601)
6. **Expulsion** - Permanent termination of the student's status without possibility of re-admission to the college. (Code of Conduct cf. 5412.2)

## Student Grievance and Appeals

The Governing Board of Lassen Community College District authorizes the establishment of procedures through which students can resolve issues concerning violations of their rights relating to alleged misinterpretation, misapplication, or violations of specific district policies. These procedures are available and administered by the Dean of Student Services.

1. Within ten school days of the occurrence, the student meets with the Dean of Student Services to discuss the issue that constitutes the basis of the alleged violation. Every attempt should be made to resolve the grievance at this meeting. The Dean of Student Services shall render a decision at this time.
2. If the student is not satisfied with the decision, the Dean of Student Services will require that the student put the complaint in writing, citing the specific rights violated, the persons involved, and a recommendation regarding solution of the complaint. The written grievance must be delivered to the Dean of Student Services no later than ten school days after the meeting in Step 1. The Dean will render a decision no later than ten school days after receiving the written complaint.
3. If the student is not satisfied with the decision rendered in Step 2, he/she may request in writing that the Dean of Student Services convene the Grievance/Appeals Committee to review the case. This must be done within ten school days of the decision rendered in Step 2. The student has the right to appear before the Grievance/ Appeals Committee at some point during its deliberations and to bring witnesses to appear before the committee, in order to present information relevant to the grievance. The Dean of Student Services will serve as an ex-officio member of the committee. The committee shall render a decision within ten school days of its meeting. The decision of the committee shall be final.

## Grade Changes, Academic Grievances and Appeals

Education Code, Title 3, Section 76224, states in the absence of mistake, fraud, incompetence or bad faith, the determination of a student's grades by an instructor shall be final once they have been filed with the Admissions and Records Office. If the presence of mistake, fraud, bad faith or incompetence is determined, the Vice President of Academic Services/Athletic Director may delete the grade from the transcript.

Students are responsible for maintaining standards of academic performance established for each course in which they are enrolled. Situations creating concern should first be discussed directly with the instructor. If this action does not produce adequate clarification of the issue and a satisfactory resolution, a student may process an appeal. The Vice President of Academic Services/Athletic Director will administer the appeal process.

## Drug Free Campus

The Lassen Community College District is committed to providing a safe and healthy working environment and to ensure a drug free campus. In compliance with the Drug Free Schools and Campuses Act of 1990 the following regulations are in effect:

1. The unlawful manufacturing, distributing, dispensing, possession, or use of a controlled substance is prohibited on campus.
2. The term "controlled substance": is defined in the schedules I through V of Section 202 of the Controlled Substance Act 21USC812.
3. Penalties for Campus Drug Use: State and Federal penalties apply to anyone convicted of the manufacturing, distributing, dispensing, possessing, or use of controlled substances.

**Misdemeanor Convictions** for campus drug use can result in a fine and incarceration of up to a year in a county jail.

**Felony Convictions** for campus drug use can result in a substantial fine and a lengthy jail sentence in state prison. Felony convictions include the manufacture, possession for sale or use of substances such as amphetamines (whites, uppers), barbiturates, codeine, cocaine/ crack, heroin, L.S.D., methamphetamine, (crank, crystal), marijuana, P.C.P., and Quaaludes.

## **Dangers of Drugs in the Workplace**

Drug Addiction is a major health problem. The death, disabilities and diseases stemming from drug abuse excel the morbidity and mortality rate of any other disease.

The campus is harmed. Excellent students and their careers are affected. Students are excessively sick, produce inferior work or perform unsatisfactorily. The detrimental effects of this problem are reflected everywhere.

People who abuse drugs affect public health and safety. The losses suffered must not be measured in dollars and cents alone but also in lives.

## **Dangers of Drug Use**

### **Alcohol**

- Decreased performance
- Poor judgment and coordination
- More accidents
- Drowsiness and mood swings
- Lower morale and increased conflicts with others
- Shortened attention span
- Impairment of judgment and decision-making ability

### **Cocaine/Crack Cocaine**

- Lack of dependability
- Irritability and depression
- Crime (stealing to cover cost of drug)

### **Marijuana**

- Disruption of space and distance
- Slower physical reflexes and poor coordination
- Forgetfulness and diminishing mental powers
- Drowsiness and mood swings

### **Opiates**

*Heroin, Pain Pills, Codeine,  
Darvon, Vicodin, and Percodan*

- Impaired judgment and lowered efficiency
- Disinterest in classroom safety
- Increase in illness
- Drowsiness and mood swings

## **Smoking**

To provide a safe and healthy environment to learn and work smoking and the use of other tobacco products in District facilities and vehicles is prohibited. It is the intent of this policy to promote comfort, health, and well-being of all district students, staff and visitors and maintain the safety of District facilities.

## **Student Assistance Program**

A student desiring additional information regarding drug abuse may contact one of the counselors.

## **Student Acknowledgment**

Part of the Drug Free Schools and Campus Act requires that students be given information regarding substance abuse. This information can be found in the college Catalog, Class Schedule, Student Handbook and Counseling Office. (Education Codes 87009, 87011, 87405, 87732, 87733, 88002)

## **Sexual Harassment Policy**

The Lassen Community College District enforces a policy prohibiting sexual harassment and will respond promptly and effectively to reports of sexual harassment. Sexual harassment is unlawful discrimination in the form of unwelcome sexual advances, request for sexual favors and other verbal, visual or physical conduct of a sexual nature, made by someone from or in the workplace or in the educational setting. The District will take appropriate action to prevent, to correct and if necessary, to discipline behavior that violates this policy. For a complete copy of the policy prohibiting sexual harassment or to make a complaint, contact the Office of Human Resources.

## **Family Education Rights and Privacy Act (FERPA)**

The confidentiality of student records shall be maintained in accordance with the Education Code and in compliance with federal regulation as outlined in the Family Education Rights and Privacy Act. Lassen Community College will release directory information only as specified in Board Policy 5040 to include the students name, honors and involvement in ASB or other extracurricular activities. Release of any other information requires the student's written permission.

## **Access to Educational Records**

All former and present students have the right to review and inspect their educational records in the Office of Admissions and Records provided they make a written request fifteen (15) days in advance. Such a review will be under the direct supervision of a classified or certificated employee in the Admissions and Records Office. Expressly exempted from the right of review and inspection are the following materials:

- Financial records of the parents or legal guardians of the student(s).
- Confidential letters and statements of recommendation maintained by the College on or before January 1, 1975, provided that such letters or statements are not used for purposes others than those for which they were specifically intended.
- Records of instructional, supervisory, counseling, and administrative personnel which are in the sole possession of such

personnel and are not accessible or revealed to any other person except a substitute.

- Records of employees of Lassen Community College, made and maintained in the normal course of business which relate exclusively to such person in that person's capacity as an employee, are not available for use for any other purpose.

## **Vaccinations/Immunizations**

California Community Colleges do not require proof of immunization for enrollment however students are urged to update their immunization status. Upon transfer, many universities require MMR and Hepatitis B clearance as a condition of admission. Depending on the major, immunizations may be necessary prior to acceptance into selected programs. Students should consult with the specific department for further information.

# College Services

## **Admissions and Records**

The Admissions and Records Office is responsible for the admissions and registration process of the College. Services include:

- Registration - in-person and online
- Maintenance of student's transcripts
- Transcript requests
- Residency
- International student admission
- Petitions for exceptions

All inquiries for Admissions and Records services may be directed by sending correspondence to Lassen Community College, Admissions and Records, P.O. Box 3000, Susanville, CA 96130 or by calling 530.251.8808 or by faxing 530.251.8802.

## **Bookstore**

The bookstore carries required textbooks and supplies for classes offered at the college. Miscellaneous school supplies are available along with logo clothing, art supplies, and various snacks. The community is invited to stop by and see what the bookstore has to offer. The bookstore is located in the Student Union – housed with the Cougar Café: Bookstore is staffed from 8:30 a.m. to 4:00 p.m.

## **Student Union/ Cougar Café**

The student union café' also serves a wide variety of items for breakfast and lunch. The community is invited to stop by and see what the student union has to offer. Cougar Café' is open from 7:30 a.m. to 4:00 p.m.

## **CalWORKs**

Students currently receiving Temporary Assistance for Needy Families (TANF) Cash Aid are eligible for services through the CalWORKs program. Call 530.257.6181 ext. 8991, for information on supplementary childcare funding, job placement, career and job search assistance, CalWORKs work study and advisement and support services.

## **Child Development Center**

The Lassen Community College Child Development Center is open to students and community families with children 6 weeks to 5 years of age. The Center provides a child-centered developmentally appropriate curriculum for all children in care. They operate Monday through Friday from 7:45 a.m. until 4:30 p.m. (some programs operate at reduced hours), taking the same holidays as the College. No fee, low fee and full fee programs are available depending on the family income. For more information or to enroll your child, please call 530.251.8843.

## **Work Experience & Internships**

Work Experience Education is an academic program in which students build work skills through specified learning that they pursue in their individual work settings. There are three types of Work Experience courses: General Work Experience (WE 1), Vocational Work Experience (vocational courses numbered '49' such as AJ 49 or HUS 49), and Occupational Work Experience (WE 2). Upon completion of their Work Experience course students earn transferable credit with a letter grade.

**General Work Experience** - assists students in learning about the world of work and is open to students regardless of major or job. Through this course, students develop and/or improve basic work habits and entry level job skills. No more than 6 units may be earned in General Work Experience (WE-1).

**Vocational Work Experience** - provides students with opportunities to develop or add marketable skills that are related to their vocational career objective.

**Work Experience** - provides students with opportunities to develop or add marketable skills related to their transfer major at California State Universities and Colleges. Students transferring to private or out of state universities and colleges should meet with their counselor to determine the transferability of work experience credits. The University of California does **not** allow transfer credit for Work Experience.



**How the Work Experience Program Works** – At the beginning of the semester students attend one of several Work Experience Orientations listed on the class schedule. During the orientation, students are given all the information they need to successfully complete the program. Students begin by meeting with their supervisor to create individualized measurable occupational learning objectives that identify new skills to be learned on the job by the end of the semester. Next they submit their objectives to the Work Experience Education office for approval. Throughout the course, students work toward accomplishing their learning objectives and demonstrating good basic work skills on the job. The Work Experience Instructor/Coordinator visits the worksite to complete an evaluation and provides support and assistance to student and employer throughout the program. Grades for Work Experience are based on completion of identified learning objectives, demonstration of good basic work skills and timely submission of all Work Experience assignments. Eligible students must meet the following criteria:

1. Be working in a paid or volunteer position for a licensed business. Students who do not have a job or internship and would like assistance should contact the Work Experience Education office. Students must have a cooperative employer by the end of their third week of their Work Experience course (end of the first week summer session) to remain in the program.
2. Register for 1-8 units of Vocational or Work Experience or 1-6 units of General Work Experience. Students who are working in a position related to their college major, and are taking or have taken a course in that area should enroll in the area's Work Experience class. Interested vocational students may earn college credit in the following majors: Administration of Justice, Agriculture, Art, Automotive Technology, Business, Child Development, Correctional Science, Fire Technology, Gunsmithing, Health Occupations, Human Services, Journalism, and Welding Technology. One unit of credit may be earned for every 75 hours of paid work experience or for every 60 hours of volunteer experience. Enrollment in Work Experience courses is limited to a maximum of 16 units, including all Vocational, Occupational and General Work Experience enrollments. Enrollment limitations exist. See a counselor or the Work Experience Coordinator for further information.
3. Attend a Work Experience Orientation during the first two weeks of the course to get started in the program and receive all necessary course materials.

## Counseling

The Counseling Office, located in the Student Services Building, provides services to help students define their academic and career goals including academic counseling and advising, personal counseling, student orientation, career assistance, and information regarding transferring to a four year college or university.

**Academic Counseling:** Counselors are available to assist students in interpreting assessment results, selecting courses, formulating an educational plan, discussing educational concerns, and providing guidance toward student educational goals.

**Articulation Agreements:** Articulation is an agreement between Lassen Community College and four-year colleges and universities that identify Lassen Community College courses that will transfer and meet four-year college and university requirements. These agreements are maintained by the Counseling Office and are listed at [www.assist.org](http://www.assist.org), the website for ASSIST, California's official statewide repository of transfer course information.

**Personal Counseling:** Confidential personal counseling is available to help students with their personal concerns that are affecting academic success. Services include short-term individual counseling, crisis consultation, and referral to local social and counseling resources. Make an appointment by calling 530.251.8842 or stop by the Counseling Office.

**New Student Orientation:** Student Orientation is designed to help incoming students familiarize themselves with the programs, facilities, policies, and procedural expectations of the College. It is common for colleges to use their own language, terms and vocabulary that are often very unfamiliar to students. Orientation programs provide students the tools to navigate their college experiences successfully. All new students whose educational goal is to transfer or complete a degree or certificate must complete an orientation session. Appointments can be scheduled by calling 530.251.8842 or stopping by the Counseling Office.

**Transfer Center:** The Transfer Center, located in the Counseling Office, serves as a resource for a student making the transition from Lassen Community College to a four-year college or university. The Transfer Center hosts visits from four-year college representatives. In addition, information about admissions, specific majors, general education requirements, and the transfer process is provided. You can get more information about transferring by calling 530.251.8848 or stopping by the Transfer Center Office.

**Educational Plans:** Your educational plan is developed in consultation between you and your assigned counselor and it outlines all course work necessary for you to reach your educational goal. All new students whose educational goal is to transfer or complete a degree or certificate should complete an educational plan by the beginning of their second semester. Plans are subject to revision whenever a student changes their anticipated major or field of study or if they change the course pattern outlined in their current educational plan. Educational research has verified that students are more successful in college when they have a firm educational plan. They also take less time to accomplish their educational goals. You can make an appointment by contacting the Counseling Office at 530.251.8842.

## Disabled Student Programs & Services

Special courses and services are offered for students with verified disabilities on an ongoing basis. Psycho-educational diagnostic testing is also available for students with possible learning disabilities or acquired brain injuries. Counseling and registration assistance is available for all students with disabilities. Students may contact the DSPS Office at 530.251.8867 or the Learning Disabilities Program at 530.251.8867. For more information see [www.lassencollege.edu](http://www.lassencollege.edu) Students Services/Disability Resources.

**High Tech Center** – The High Tech Center is a computer lab designed to serve students with various disabilities and special needs. The computers are designed or equipped with special software that accommodates or assists students with their learning and college course work. Special software is available for disabled students. Students may contact the High Tech Center at 530.251.8867.

## **EOP&S - Extended Opportunity Programs & Services**

The Extended Opportunity Programs and Services (EOP&S) is a state funded program which provides special services and/or financial services to eligible students. It serves about 300 students a year providing above and beyond student success services to assist them in reaching their educational goals. The services provided to students eligible for the EOP&S program include:

- Academic Advising and Counseling
- Book Grants and Book Lending
- Progress Reporting
- Transfer Assistance/Fee Waivers
- Various Support Services
- Caps and Gowns
- Tutoring
- CARE Services for Single Parents
- Priority Registration

Access to higher education is not a privilege for a chosen few, but a right for all that desire to learn. EOP&S services provide positive encouragement to qualified applicants who are full time, low income, underrepresented, and under prepared. This program is funded by a state grant and provides services above and beyond those already provided by Lassen Community College.

To be eligible for EOP&S services a student must meet the following criteria.

1. Be a California resident
2. Be enrolled as a full-time student (12 or more units per term)
3. Have fewer than 70 units of degree applicable college credits
4. Qualify to receive a Board of Governors' Fee Waiver under method A or B
5. Be educationally disadvantaged

The EOP&S Program creates an environment that is responsive to the needs of the students it serves and is culturally sensitive to the diversity of students that qualify for the EOP&S student success driven services it provides. For more information call 530.257.6181 ext. 8953.

## **Cooperative Agencies Resources for Education (CARE)**

The Lassen Community College Cooperative Agencies Resources for Education program (CARE) is a state funded program focusing on providing financial, educational and emotional assistance and support to re-entry students who are CalWORKs/TANF eligible, single head of household wanting to attend college. The program provides off-campus childcare reimbursement for infants and children under the age of 14 years. CARE Student Support Group meetings are held monthly to discuss issues and concerns of the re-entry student. The aim of CARE is to help re-entry students with the cost of coming back to school, increase their educational skills, become more confident and self-sufficient, enhance their employability, and move from welfare to independence. To be eligible for the CARE program, student must meet the following criteria;

1. Maintain a full-time program of study (12 units or more).
2. Have at least one qualified dependent under the age of 14 years
3. TANF/CalWORKs as a single head of household and currently receiving cash aid.
4. Eligible for the EOP&S Program.
5. 18 years of age or older.

For more information call 530.251.8837.

## **Financial Aid**

For more information on Financial Aid see the next section on "Financial Aid and Scholarships" in this catalog. (Page 27)

## **Foster Youth Services**

The goal of the Independent Living Program (ILP) is to provide services to youth living with someone other than a biological parent. The student must have been a dependent, ward of the court or living in a kinship situation. Services include housing, job placement assistance, support, information to specific scholarship opportunities and assistance in postsecondary education. The program is not limited to students enrolled at LCC. For more information please call 530.251.8810 or email [dstevenson@lassencollege.edu](mailto:dstevenson@lassencollege.edu).

## **Housing**

The residence hall provides accommodations for students with two and four person rooms. For an additional fee a student can request a single room, which will be assigned if availability allows. Laundry facilities, a common kitchen, and a television lounge are available for student use. At the west end of the building you will find two-story game room with floor to ceiling windows. Various nights during the semester you will find both table pool and foosball tournaments in this room as part of the Lassen Intramural Activities Program.

In addition to foosball and table pool, various sports programs (indoor touch football, three-on-three basketball, dodge ball and lots more) make up the Lassen Intramural Activities Program.

Most rooms accommodate two students; however, there are also some four-person rooms. A common bathroom joins the suites for two person rooms and a single bathroom is shared in the rooms that accommodate four residents. The room is furnished with a desk, chair, drawers, bookshelf, closet, sink/vanity area and an extra-long twin bed for each student. Students are **not** to bring their own furniture, as no storage is available. The rooms are controlled individually for heat. Telephone service is not provided. However

Wi-Fi service is provided. The beds use extra-long twin sheets. Students will need to bring a good study lamp, trash can and personal items to decorate their room. No drugs, alcohol or sexually provocative material is allowed as decorations.

The Dean of Student Services and other college staff are responsible for the residential program. Six Residential Advisors assist in maintaining a safe and secure facility including locked doors and visitor check-in after 10:00 PM.

The guidelines for living in the Lassen Community College Residence Hall have been established to protect the health, safety, and social welfare of all community members, to provide a climate conducive to study, to discourage dishonesty, vandalism, and personal abuse. Rules are enforced to avoid infringement of the rights of others.

Each resident is responsible for his or her actions and each is entitled to a safe, secure, and mature atmosphere in which to reside and a living environment conducive to succeeding in his or her educational objectives. In order to maintain that environment, the residence hall has multiple cameras observing hallways and entry/exits on a 24/7 basis.

Information regarding rates is included in the residence hall application packet. Upon return, the completed dorm application must be accompanied by a security deposit to reserve a room. Applications can be obtained by writing to: Lassen Community College, Housing Office, PO Box 3000, Susanville, CA 96130 or via email to [fbeaujon@lassencollege.edu](mailto:fbeaujon@lassencollege.edu) or from the Lassen Community College website [www.lassencollege.edu](http://www.lassencollege.edu).

Check-in times are scheduled on specific days during the two weeks prior to the first day of school. For more information please contact the residential life staff by phone at 530.251.8879 or by email at [fbeaujon@lassencollege.edu](mailto:fbeaujon@lassencollege.edu).

## **Kinship Care**

The mission of Lassen Community College Kinship Care Education is to provide needed training and support for Kinship Care Providers in the Lassen Community College District. Kinship providers who are caring for relatives (siblings, grandchildren, nieces, nephews, or family friend, etc.) are presented with unique challenges. The Lassen Community College Kinship Care Education program recognizes these challenges and strives to support the providers by offering free educational training workshops, providing high quality resource material and much needed support. Some of the training topics offered are: Parenting Skills, Effects of Fetal Alcohol Syndrome, Anger Management, and Strategies for Working with Difficult Children, Separation and Attachment, and many more.

## **Learning Center**

The Learning Center (LRC) is a dynamic and welcoming space on campus for students to gather or study. The LRC is located with the Library in the Humanities Building. All LCC students are encouraged to take advantage of the many resources that are available in the LRC. All students are eligible for two free hours of tutoring per week per subject. The LRC offers an open computer lab, Wi-Fi access, printing, study zone, designated eating area and both the drop-in English/Writing and Math labs. In addition, the LRC also hosts student workshops, class meetings, and proctoring. For more information please feel free to stop in or call (530) 257-6181 X8990.

## **Library**

The Lassen Community College Library is located in the center of campus with 2 story windows looking out on the grounds to the Southeast. The library is designed to be a research and social space for all on campus with comfortable seating, group study rooms, a café, internet access, Wi-Fi, and printing. The library maintains a small book collection and significant online resources including ebooks, scholarly and casual articles from over 4,600 journals, newspapers, health and prescription information, and a complete automotive repair database with diagrams, instructions and costing information. These resources are equally available to students on campus and off through the library website. The Library staff strives to assist every student in their research projects by directing students to the most appropriate source and learning how to structure each search to return the best information in the most efficient way. Library orientations are available in many classes and by request either online or in person. Library resources are available at <http://library.lassencollege.edu>. The library encourages student to enjoy these resources early and often throughout the semester and not to wait until immediately before an assignment is due.

## **Career Technical Education CTE/Transitions (Formerly Tech Prep 2+2)**

The Career Technical Education (CTE)/Transitions program offers high school students the opportunity to take an approved technical preparation class during their high school years and receive Lassen Community College credit. Students are able to develop high academic and employability competencies through approved technical preparation and instruction. This opportunity eases the transition from the high school to the college and offers an incentive for students to continue their education at a more advanced level. After completing an articulated 2+2/CTE/Transitions class with a grade of "B" or better at the high school level, a high school student qualifies to receive earned credit at Lassen Community College in the articulated course(s) without having to repeat the course at the college level by following these requirements:

1. Submit high school transcripts and required form from the Credit Guidelines packet to the LCC Admissions and Records Office. Enroll and pay for the articulating course units.

CTE/Transitions 2+2 credit is only available up to five years after completing the articulating course at the high school level. "Credit by Exam" is granted based on articulated course content and exams or alternate assessments. Students must be in good standing and complete all requirements.

For a Credit Guidelines Packet or more information on the CTE/Transitions 2+2 program visit the Lassen Community College Counseling Office or speak with your high school counselor.

## **Veteran's Services**

Lassen Community College is approved for veteran training under Public Law 890-358, as well as under the California State program. The Lassen Community College Veteran's Certifying Official is a liaison between the Veteran's Administration and the individual veterans, insuring timely educational benefit payments. Veterans or veteran family members eligible for government benefits should contact the college Financial Aid Office in the Student Services Building. All students expecting Veterans Benefits, degrees or certificates must file an official transcript of their record from all colleges previously attended.

After completing all necessary paperwork, the veteran is ready to meet with the veteran's counselor to complete their schedule. Call 530.251.6181 ext. 8850 to receive more information.

## **Military Service Schools/Formal Military Service Schools**

College units may be allowed for the successful completion of college-level training in formal service schools as recommended in "The Guide to the Evaluation of Educational Experience in the Armed Services", published by the American Council on Education. Lassen Community College will grant college credit if the person has served at least six months in active service.

Active duty personnel should submit a copy of DD295 (veterans submit DD214) to the Financial Aid Office and the Veteran's Counselor for evaluation.

# Financial Aid and Scholarships

Financial Aid is dedicated funding that assist students with the costs of attending college, it is meant to help students achieve their academic goals. Funding sources include the Federal and State government as well as other public and private entities.

Every student interested in receiving Financial Aid is first required to fill out a FAFSA- **Free Application for Federal Student Aid** on the web every academic year. The on-line application is found at [www.fafsa.edu.gov](http://www.fafsa.edu.gov) ; this is the only viable website to file a FAFSA. (The school code for LCC is 001217.) Each student receiving Financial Aid is expected to enroll **only** in classes/courses that are needed to complete their education goal at LCC.

## **Eligibility Requirements**

1. Submit a Free Application for Federal Student Aid (FAFSA) to the U.S. Department of Education to establish eligibility.
2. Have demonstrated financial aid eligibility according to federal and state regulations.
3. Have a high school diploma or the equivalent. Students who do not have a high school diploma or the equivalent may not be eligible for federal financial aid, but may be eligible for state and locally funded aid programs.
4. Enroll in an eligible program to complete an associate degree or an eligible certificate program or transfer requirements. Most forms of financial aid are only available to students enrolled in an eligible program.
5. Declare a major and obtain an education plan as approved by a Lassen Community College counselor, which must be on file in the Financial Aid Office.
6. Most important!! Students must maintain satisfactory academic progress (SAP). Once a student's aid has been verified and awarded it is the student's responsibility to maintain SAP in order to keep their eligibility for Federal financial Aid.

## **Satisfactory Academic Progress (SAP)**

Lassen Community College complies with federal requirements to monitor financial aid recipients' SAP toward a declared and eligible educational objective of an associate degree, certificate or transfer to a baccalaureate degree granting institution. Students receiving financial aid are expected to maintain a cumulative grade point average of at least 2.0, and to successfully complete each course that they attempt. Also students are expected to complete their educational goal within a reasonable timeframe. Beginning July 1, 2012 the maximum lifetime eligibility to receive a PELL grant has decreased from 9 full time years to 6 full time years.

In accordance with Federal Student Aid regulations, SAP procedures measure each student's progress three unique ways qualitative, quantitative and incremental. Student's failure to maintain SAP will first result in a semester on warning, If the student fails to meet SAP the next semester the student will be placed on Financial Aid Suspension along with disqualification of receiving Federal Financial Aid previously awarded. LCC has an appeal process that exists for those students who have had extraordinary and unexpected circumstances which caused the failure to maintain SAP. See SAP <http://www.lassencollege.edu/Assets/financial-aid/Financial%20Aid%20Satisfactory%20Academic%20Progress%20Standards.pdf>



## Estimated Cost of Attendance (COA)

The table below is an estimate of the average annual cost of attendance (COA) at Lassen Community College. These are estimated and averaged costs as provided by the California Student Aid Commission with the exception of Fees and On Campus Housing, which are actual. The Student COA cannot be exceeded by the sum of all aid the student receives for the academic school year.

<i>In State</i>	Student Living With Parent	Student Living on Campus	Student Living off Campus
Tuition and Fees (12 units/term)	\$1,126*	\$1,126*	\$1,126*
Books & Supplies	\$1,764	\$1,764	\$1,764
Food	\$4,770	\$4,770	\$3,780
Housing	\$0	\$2,500	\$8,190
Transportation	\$1,125	\$855	\$1,269
Personal	\$3,159	\$2,322	\$2,898
<b>TOTAL COA</b>	<b>\$11,944</b>	<b>\$13,337</b>	<b>\$19,027</b>
<b>Out of State</b>			
Tuition and Fees	\$5,950*	\$5,950*	\$5,950*
<b>TOTAL COA Out of State</b>	<b>\$16,768</b>	<b>\$18,161</b>	<b>\$23,851</b>

\*Resident Tuition is \$46.00 per unit. Non-Resident Tuition is \$247.00 per unit. (Health & student fees included in total.)

Students enrolled in correspondence coursework may be subject to adjustments to their cost of attendance budget and award eligibility. Students enrolled at a less-than-half-time status for a term will be subject to adjustments to their COA budget and award eligibility.

### Enrollment Status

Eligibility for many types of aid is based on a student's enrollment status in the term. Types of aid that is prorated based on a student's enrollment status include Pell Grant, Osher Scholarship and Cal Grant. Full-time 12+ units 100%, 9-11.5 units 75%, 6-8.5 units 50%, and 6 or fewer units check with financial aid.

### Effects of Withdrawing, Dropping or Failing

For purpose of Financial Aid, every class/course attempted is counted towards your maximum lifetime eligibility usage; all drops, withdrawal, no-pass, and fail are calculated as zero points towards the student's cumulative GPA. Federal financial aid recipients with no-show withdraw, or drop courses any time before completing more than 60% of the term are subject to repayment of some of the federal aid they received.

### Determination of Withdrawal

The date of withdrawal and no-show dates are based on the official records of the college in accordance with federal regulations. The federal repayment calculation is called R2T4 (Return to Title IV) and the amount the student must repay before receiving any more federal financial aid such as the Pell Grant, FSEOG, work-study and Stafford Loan, is based on a comparison of the amount the student actually received in federal aid to the length of time enrolled for the term.

### Repaying the Debt

You will be notified if you are required to repay a portion of your aid and will have 45 days to repay in full. If the amount owed is not repaid within those 45 days the debt will be referred to the U.S. Department of Education and you will not be eligible to receive any additional federal financial aid at any school until the amount due is repaid in full or satisfactory payment arrangements have been made with the U.S. Department of Education.

### Repeating Courses

Federal Student Aid regulations allow students to repeat a previous passed course once with an A,B,C,D, or P grade and have it included in the determination of their enrollment status for calculating Federal Student Aid.

### Types of Financial Aid Available

#### Federal Assistance Programs

**Federal Pell Grant** is a federally funded entitlement aid program providing from \$200 to \$5,550 per school year to those students with demonstrated financial need as measured and determined by the FAFSA.

**Federal Supplemental Educational Opportunity Grant (FSEOG)** is a federally funded aid program that provides assistance to students with exceptional financial need as measured and determined by the FAFSA. Limited funding is available and is intended to supplement Pell Grant funding.

**Bureau of Indian Affairs** provides grants to help eligible Native American students meet their college costs. To be eligible students must be at least one-fourth American Indian, Eskimo or Aleut as certified by a tribal group served by the Bureau of Indian Affairs (BIA). Students must apply for BIA Higher Education Grants through their tribal agency.

**Federal Work Study** provides part-time employment to students with a demonstrated financial need as measured and determined by the FAFSA to help meet the cost of their education. Students must work to earn their award. Positions are available on and off campus. Students must be enrolled full-time and funding is limited.

**Federal Stafford Loans** are subsidized and unsubsidized federally guaranteed low interest rate student loans and are not based on credit history. Students must attend a pre-loan entrance interview workshop to understand their borrowing responsibilities. To apply a separate loan request must be completed.

**Federal Subsidized Stafford Loan** is a need-based student loan program designed to assist students with educational expenses while attending at least half-time in an eligible program of study. The interest is subsidized by the federal government as long as the student is enrolled at least half-time.

**Federal Unsubsidized Stafford Loan** can be need based or non-need based. The interest on this loan is not subsidized by the federal government and begins to accrue when it is funded. Students have the option of making interest payments or deferring the interest payment.

## **State Assistance Programs BOG Fee Waiver**

The Board of Governor's Fee Waiver is available to California residents attending California Community Colleges and waives the enrollment fee for eligible students. Students may be eligible in a number of ways including as a recipient of public assistance benefits, meeting income standards or by demonstrating at least \$1,104.00 of need as measured by the filing of a FAFSA. Applications are available on the back of the schedule for each enrollment term and in the Financial Aid Office in the Student Services Building. Students must reapply each school year.

**Cal Grant B/C** - Cal Grant funding is a state aid program with additional details of each type available at [www.csac.ca.gov](http://www.csac.ca.gov). There are three types of Cal Grant awards that students may be eligible to receive.

**Extended Opportunity Programs & Services (EOP&S)** is a state program that provides special services and assistance to full-time eligible students who are California residents.

## **Institutional Assistance Programs Scholarships**

There are many scholarships available to assist you with the cost of education. Remember, scholarships are a form of gift aid and do not need to be repaid. You are encouraged to seek outside scholarships. Scholarship search websites like [www.fastweb.com](http://www.fastweb.com) can provide many resources.

LCC has an annual scholarship and awards night in May. Scholarship applications are available in the Financial Aid office usually the first week of March. All students are encouraged to pick up the scholarship packet and apply



# Definition of College Terms

**Academic Probation** - A student may be placed on probation for failure to maintain a 2.0 G.P.A. or failure to complete sufficient number of units.

**Academic Progress** - Maintaining a 2.0 G.P.A. in at least twelve units each semester.

**Academic Renewal** - A petition to have previous Lassen Community College work (grades and credits) excluded from current grade point average, if that prior work is at least three years old.

**Academic Suspension** - A situation caused by low academic or progress performance, in which the suspended student cannot enroll without approval from the appropriate dean.

**Academic Year** - Fall and Spring semesters.

**Administrative Unit Outcomes (AUO)** - Administrative Unit Outcomes (AUOs) are based on what a "client" will experience, receive or understand as a result of the services provided by the unit. AUOs are also based on the specific contributions the unit makes to the effective operation of the college in supporting student learning.

**Associate Degree (A.A. or A.S.)** - A degree (Associate in Arts or Associate in Science) granted by a community college.

**Associate Degree for Transfer (A.A.-T or A.S.-T)** - A degree (Associate in Arts or Associate in Science) granted by a community college that guarantees admission to a CSU campus.

**Bachelor's Degree (B.A. or B.S.)** - A degree granted by a four-year college or university.

**Basic Skills Courses** - Courses in reading, writing, computation or English as a Second Language designed to prepare students to succeed in college level course work. Numbered 100-120 at Lassen Community College.

**Certificate of Accomplishment** - A Certificate of Accomplishment will be awarded for degree-applicable credit course work ranging from six (6) units to seventeen (17) units unless statutory or license requirements necessitate a higher unit value (appropriate statutory or license documentation must be attached). The course work must be within a specific educational program.

**Certificate of Achievement** - A Certificate of Achievement will be awarded for degree-applicable credit course work ranging from eighteen (18) units to forty-two (42) units. The course work must be within a specific educational program and approved to be offered at Lassen Community College by the Chancellor's Office of the California Community Colleges.

**Certificate of Competency (Noncredit)** - A noncredit Certificate of Competency will be awarded for a program or sequence of courses that result in the student demonstrating achievement of a set of competencies that prepare him/her to progress in a career path or to undertake degree-applicable or non-degree applicable credit courses. The certificate is in a recognized career field articulated with degree-applicable coursework, completion of an associate

degree or transfer to a baccalaureate institution.

**Certificate of Completion (Noncredit)** - A noncredit Certificate of Completion will be awarded for a program or sequence of courses that prepare a student to progress in a career path or to undertake degree-applicable or non-degree applicable credit courses. The certificate is designed to result in improved employability or job opportunities.

**Community Service Course** - A course where the student pays for the full cost of instruction. Community service courses are not applicable to degrees or certificates, nor do they appear on a student's transcript.

**Corequisite** - A course which must be taken at the same time as another course.

**Course** - A particular portion of a subject selected for study. This is identified by a course number, for example, Psychology 1.

**Course Description** - Brief statement about the content of a particular course.

**Course Identification Numbering System (C-ID)** - number next to a course signals that participating California colleges and universities have determined that courses offered by other California community colleges are comparable in content and scope to courses offered on their own campuses.

**Credit** - Refers to the units earned by completing a class.

**Credit by Examination** - Course or unit credits granted for demonstrated proficiency in a given area as determined by an examination.

**Credit Course** - Courses that are applicable to degrees and certificates. Numbered 1 -99 at Lassen Community College.

**CSU** - California State University System.

**Education Plan** - A list of courses required to complete educational goal.

**Elective** - Courses which are not required for the major or general education but are acceptable for credit. An elective course may be in the student's major area of study or any department of a college.

**Federal Work Study (FWS)** - A program of federal aid, which provides funds for student jobs.

**Full-time Student** - A student taking twelve or more units in the Fall or Spring semester, or six or more units in the summer semester.

**General Education Requirements** - Courses covering the broad area of thought and experience common to every person. The general education requirements for the Associate Degree and Transfer Degree may differ.

**Good Standing** - Indicates that a student's grade point average in the previous semester and cumulative grade point average is 'C' (2.0 G.P.A.) or better.

**Grade Point Average** - Grade point average (G.P.A.) indicates an overall level of academic achievement. It is an important.

**Hour** - Same as credit, same as unit. (See Credit)

**Hybrid Course** - any portion of the face to face instruction replaced by online instruction, including assessment [Requires separate Curriculum/Academic Standards Committee approval].

**IGETC** - The Intersegmental General Education Transfer Curriculum permits a student to transfer from Lassen to a campus in either the California State University or some campuses of the University of California system without the need to take additional lower-division, general education courses to satisfy General Education requirements.

**Lower Division/Upper Division** - Lower Division are courses taken at the freshman and sophomore level and may be taken at a community college. Upper Division courses are taken at four-year institutions and may not be taken at the community college level.

**Major** - An organized program of courses leading to an Associate Degree, Occupational Certificate or Bachelor's Degree.

**Matriculation** - A process which brings a college and a student who enrolls for credit into an agreement for the purpose of realizing the student's educational objective.

**Methods of Instructional Delivery** - ways in which an instructor delivers course material and interacts with a student.

- **Traditional Classroom Delivery:** Instructor and student meet face to face in a classroom setting. Class format may vary to include lecture, lab, discussion or small group work.
- **Correspondence Delivery:** Instructor and student interact via mail or email. Packets of instructional material are sent to students to be completed and returned.
- **Hybrid Course** - any portion of the face to face instruction replaced by online instruction, including assessment [Requires separate Curriculum/Academic Standards Committee approval].
- **Online Delivery:** Instructor and student interact and deliver/receive instructional material online via email or course delivery software.
- **Online Course:** 100% of instruction delivered online, may include face to face proctored exams and instructor contact (for attendance accounting purposes more than 51% of course delivered by online instruction is considered online). [Requires separate Curriculum/Academic Standards Committee approval.]

**Noncredit Courses** - These courses are not applicable to degrees or certificates and are non-transferable. Numbered 150-189 at Lassen Community College.

**Open Entry/Open Exit** - Courses that may be added to a program of study throughout the semester; and may be completed upon fulfillment of course requirements at any time during the semester.

**Pass/No Pass** - A grading system by which units of credit, where credit indicated is a least a 'C' level, may be earned but no letter grade is assigned. Such units are not used in computing the grade point average.

**Placement Test** - Tests given prior to registration in classes. The results are used in the assessment process to assist in determining the student's placement at the most

appropriate course level.

**Prerequisite** - A course that a student must complete prior to enrollment in a higher level course.

**Recommended Preparation** - A course that a student is encouraged to complete prior to enrollment in a particular course to enhance academic success.

**Student Learning Outcome (SLO)** - Student Learning Outcomes refer to overarching specific observable characteristics developed by local faculty that allow them to determine or demonstrate evidence that learning has occurred as a result of a specific course, program, activity or process.

**Transcript** - A list of all credit courses taken at a college or university showing the final grade received for each course.

**Transfer** - Changing from one college to another.

**Transferable Course** - A course acceptable for credit at another institution.

**Units** - The measure of college credit given a course, usually on the basis of one unit for each lecture hour per week; or one unit for two to three laboratory hours per week.

**Units Attempted** - (UA) Total number of units in the courses for which a student has enrolled and received an A, B, C, D, F, W, Pass/No Pass.

**Units Completed** - (UC) Total number of units in the courses for which a student has received a grade of A, B, C, D, F or Pass/ No Pass.

**U.C. or UC** - The University of California System.

**Variable Units** - The range of units that may be earned in a given course.

**Web-Enhanced Course** - 0% of the face to face instruction is replaced by online instruction; syllabus, chat, email and other supporting materials delivered online; online research may be required [Does not require separate Curriculum/Academic Standards Committee approval].

**Withdrawal** - Dropping all classes.





# Lassen Community College

## Programs, Degrees and Certificates

### **Associate Degrees for Transfer**

Associate in Science Degree in  
Administration of Justice for Transfer

Associate in Science Degree in Anthropology for Transfer

Associate in Arts Degree in Art History for Transfer

Associate in Arts Degree in Studio Art for Transfer

Associate in Science Degree in  
Business Administration for Transfer

Associate in Science Degree in Early  
Childhood Education for Transfer

Associate in Arts Degree in Economics for Transfer

Associate in Arts Degree in English for Transfer

Associate in Science Degree in Geology for Transfer

Associate in Arts Degree in History for Transfer

Associate in Arts Degree in Kinesiology for Transfer

Associate in Arts Degree in Psychology for Transfer

Associate in Arts Degree in Sociology for Transfer

### **Administration of Justice**

Associate in Science Degree in  
Administration of Justice for Transfer

Associate in Art Degree Administration of Justice

Certificate of Achievement in  
Administration of Justice

Certificate of Accomplishment  
Reserve Officer Training Level III,  
Safety & Security Personnel

### **Agriculture**

Associate in Arts Degree University Studies:  
Emphasis in Agriculture Sciences

Associate in Science Degree in Agriculture Science and  
Technology

Certificate of Achievement in Agriculture Science and  
Technology

Certificate of Accomplishment in Animal Science

Certificate of Accomplishment in Horsemanship

Certificate of Accomplishment in Agriculture Business

### **Allied Health**

Associate in Arts Degree University Studies:  
Emphasis in Allied Health

### **Anthropology**

Associate in Science Degree in Anthropology for Transfer

### **Art**

Associate in Arts Degree in Art History for Transfer

Associate in Arts Degree in Studio Art for Transfer

### **Automotive Technology**

Associate in Science Degree in Automotive Technology

Certificate of Achievement in Advanced Mechanics

Certificate of Achievement in Engine Repair

Certificate of Accomplishment Basic Mechanics

Certificate of Accomplishment in Electrical

Certificate of Accomplishment in General Mechanics

### **Biological Science**

Associate in Science Degree University Studies:  
Biological Science Major Preparation

### **Business**

Associate in Science Degree in Business Administration  
for Transfer

Associate in Science Degree in Accounting

Associate in Arts Degree in Economics

Associate in Science Degree Office Administrative Assistant

Certificate of Achievement Office Administrative Assistant

Certificate of Accomplishment in Entrepreneurship

### **Child Development**

Associate in Science Degree in Early Childhood Education  
for Transfer

Associate in Arts Degree in Child Development

Certificate of Achievement in Child Development

Certificate of Accomplishment in  
Child Development-Associate Teacher

### **Digital Graphic Design**

Associate in Science in Digital Graphic Design

Certificate of Achievement in Digital Graphic Design

Certificate of Accomplishment in Digital Graphic Design  
Entrepreneurship

Certificate of Accomplishment Digital Graphic Design Fast  
Track I

Certificate of Accomplishment Digital Graphic Design Fast  
Track II

### **English**

Associate in Arts Degree in English for Transfer

### **Fire Technology**

Associate in Science Degree in Fire Technology

Certificate of Achievement in Fire Technology

Certificate of Accomplishment in Basic Fire Fighter

### **Geology**

Associate in Science Degree in Geology for Transfer

### **General Education Transfer Certificates**

Certificate of Achievement California State University General Education

Certificate of Achievement in Intersegmental General Education Transfer Curriculum

### **Gunsmithing**

Associate in Science Degree in Firearms Repair

Associate in Science Degree in General Gunsmithing

Certificate of Achievement in Firearms Repair

Certificate of Achievement in General Gunsmithing

Certificate of Accomplishment in Gunsmith Machinist and Metal Finishing

Certificate of Accomplishment in Long Guns

Certificate of Accomplishment in Pistolsmith

Certificate of Accomplishment in Riflesmith

### **History**

Associate in Arts Degree in History for Transfer

### **Human Services**

Associate in Science Degree in Drug and Alcohol Paraprofessional

Associate in Science Degree in Human Services

Certificate of Achievement in Drug and Alcohol Paraprofessional

Certificate of Achievement in Human Services

### **Humanities**

Associate in Arts Degree University Studies:  
Emphasis in Humanities

### **Mathematics/Physical Science**

Associate in Science Degree University Studies:  
Emphasis in Mathematics/Physical Science

### **Natural Science**

Associate in Arts Degree University Studies:  
Emphasis in Natural Sciences

Associate in Arts Degree General Studies:  
Emphasis in Natural Sciences

### **Nursing**

Associate in Arts Degree University Studies:  
Emphasis in Allied Health

Associate in Science Degree in Vocational Nursing

Certificate of Achievement in Vocational Nursing

### **Physical Education**

Associate in Arts Degree in Kinesiology

Associate in Arts Degree University Studies:  
Emphasis in Physical Education

Associate in Arts Degree General Studies:  
Emphasis in Physical Education

### **Psychology**

Associate in Arts Degree in Psychology for Transfer

### **Social Science**

Associate in Arts Degree University Studies:  
Emphasis in Social Sciences

Associate in Arts Degree General Studies:  
Emphasis in Social Sciences

### **Sociology**

Associate in Arts Degree in Sociology for Transfer

### **Welding Technology**

Associate in Science Degree in Welding Technology

Two-Year Certificate of Achievement in Welding Technology

One-Year Certificate of Achievement in Welding Technology

Certificate of Accomplishment in Welding Technology

## **Graduation**

### **Application for Graduation**

A candidate for the Associate Degree or a special certificate should complete a "Petition to Graduate" on or before the tenth (10th) week of the semester of graduation and must have their program approved by the evaluation counselor. Petitions are located in the Counseling Office and on the website at [www.lassencollege.edu](http://www.lassencollege.edu).

# Degrees and Certificates

## Associate Degree Requirements

Either an Associate in Arts or Associate in Science Degree shall be conferred upon those who satisfy all of the following requirements (Title V 51620-51626):

1. Completion of at least sixty (60) units of courses (numbered 1 – 99) used toward the degree, 12 of which must be completed 'in residence' at Lassen Community College.
2. Completion of a minimum of eighteen (18) units in a major or discipline as outlined in the college catalog.
3. A minimum grade of 'P' (Pass) or 'C' is required in each core course toward a degree or certificate of achievement with an overall 2.0 grade point average required in all course work. Please see the general education areas and courses that are applicable for the associate degree.
4. Completion of eighteen semester units of general education is required to give breadth. Students must complete one course from each of the following areas for a total of eighteen units:
  - A. Natural Science (3 Units)
  - B. Social and Behavioral Sciences (3 Units)
  - C. Humanities (3 Units)
  - D. Language and Rationality
    - D1. English Composition (3 Units)
    - D2. Communication and Analytical Thinking (3 Units)
  - E. Health and Physical Activities (3 Units)
5. **Mathematics Competency Requirement:** In order to obtain the Associate Degree from Lassen Community College, a student must meet the math competency requirement. This requirement may be satisfied by either:
  - A. Obtaining a score on the current adopted Lassen Community College mathematics assessment instruments equivalent to placement into Math 7, 8, 11A or 40 level; or
  - B. A 'C' or better in any three to five unit mathematics course at or above the Math 60 level from an accredited college or university.
6. **Reading Competency Requirement:** In order to obtain an Associate Degree from Lassen Community College, a student must meet the reading competency requirement. This requirement may be satisfied by:
  - A. Obtaining a reading score equivalent to the 12<sup>th</sup> grade or higher (**80 score**) on the current adopted Lassen Community College Reading Assessment Instrument; or
  - B. A "C" or better in a transfer level composition course (ENGL-1); or
  - C. Score 3 or higher on the AP Language and Composition or AP Composition and Literature exam; or
  - D. Possess an AA or AS degree.
7. **Writing Competency Requirement:** In order to obtain the Associate Degree from Lassen Community College, a student must meet the writing competency requirement. This requirement may be satisfied by completion of English 1 or a higher level course, with a 'C' or better or the equivalent from an accredited college or university.
8. **Remedial Courses:** Courses numbered 100-109 do not count toward an Associate Degree.
9. **Applying for Your Degree/Certificate:** You must apply (petition to graduate) for your degree or certificate in the Counseling Office approximately ten weeks into the semester in which you plan to complete your degree or certificate.

## Associate Degrees for Transfer

The Student Transfer Achievement Reform Act (Senate Bill 1440, now codified in California Education Code sections 66746-66749) guarantees admission to a California State University (CSU) campus for any community college student who completes an "associate degree for transfer", a newly established variation of the associate degrees traditionally offered at a California community college. The Associate in Arts for Transfer (AA-T) or the Associate in Science for Transfer (AS-T) is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing these degrees (AA-T or AS-T) are guaranteed admission to the CSU system, but not to a particular campus or major. In order to earn one of these degrees, students must complete a minimum of 60 required semester units of CSU- transferable coursework with a minimum GPA of 2.0. Students transferring to a CSU campus that does accept the AA-T or AS-T will be required to complete no more than 60 semester units after transfer to earn a bachelor's degree (unless the major is a designated "high unit" major). This degree may not be the best option for students intending to transfer to a particular CSU campus or to university or college that is not part of the CSU system.

Students should consult with an academic counselor when planning to complete the degree for more information on university admission and transfer requirements.



**Associate Degree  
for Transfer**  
*A Degree with a Guarantee.™*

The following are required for all AA-T and AS-T degrees:

1. Completion of a minimum of 60 CSU-transferable semester units.
2. Minimum grade point average (GPA) of at least 2.0 in all CSU-transferable coursework. (While a minimum of 2.0 is required for admission, some majors may require a higher GPA. Please consult with an academic counselor for more information.)
3. Completion of a minimum of 18 semester units with a "C" or better (or a "P" if the course is taken on a "pass-no pass basis") in all courses required as a part of an AA-T or AS-T major as identified by the college catalog. (Title 5 § 55063)
4. Certified completion of the California State University General Education-Breadth pattern (CSU GE Breadth) OR the Intersegmental General Education Transfer Curriculum (IGETC) pattern general education requirements (37-39 units).

### **Course Identification Numbering System (C-ID)**

The Course Identification Numbering System (C-ID) is a statewide numbering system independent from the course numbers assigned by local California community colleges. A C-ID number next to a course signals that participating California colleges and universities have determined that courses offered by other California community colleges are comparable in content and scope to courses offered on their own campuses, regardless of their unique titles or local course number. Thus, if a schedule of classes or catalog lists a course bearing a C-ID number, for example COMM 110, students at that college can be assured that it will be accepted in lieu of a course bearing the C-ID COMM 110 designation at another community college. In other words, the C-ID designation can be used to identify comparable courses at different community colleges. However, students should always go to [www.assist.org](http://www.assist.org) to confirm how each college's course will be accepted at a particular four-year college or university for transfer credit.

The C-ID numbering system is useful for students attending more than one California community college and is applied to many of the transferable courses students need as preparation for transfer. Because these course requirements may change and because courses may be modified and qualified for or deleted from the C-ID database, students should always check with a counselor to determine how C-ID designated courses fit into their educational plans for transfer.

### **Credit Certificates**

#### **Certificate of Accomplishment**

A Certificate of Accomplishment will be awarded for degree-applicable credit course work ranging from 6 units to 17 units unless statutory or license requirements necessitate a higher unit value (appropriate statutory or license documentation must be attached). The course-work must be within a specific educational program.

#### **Certificate of Achievement**

A Certificate of Achievement will be awarded for degree-applicable credit course work ranging from eighteen (18) units to forty-two (42) units. The course work must be within a specific educational program and approved to be offered at Lassen Community College by the Chancellor's Office of the California Community Colleges.

### **Noncredit Certificates**

#### **Noncredit Certificate of Completion**

A noncredit Certificate of Completion will be awarded for a program or sequence of courses that prepare a student to progress in a career path or to undertake degree-applicable or non-degree applicable credit courses. The certificate is designed to result in improved employability or job opportunities.

#### **Noncredit Certificate of Competency**

A noncredit Certificate of Competency will be awarded for a program or sequence of courses that result in the student demonstrating achievement of a set of competencies that prepare him/her to progress in a career path or to undertake degree-applicable or non-degree applicable credit courses. The certificate is in a recognized career field articulated with degree-applicable coursework, completion of an associate degree or transfer to a baccalaureate institution.

### **General Education Student Learning Outcomes for Associate Degrees**

Upon completion of this certification the student will be able to:

1. Understand and apply methods of inquiry for a variety of disciplines including the scientific method for scientific inquiry and appropriate methods for social and behavior science inquiries.
2. Explain and analyze relationships between science and other human activities.
3. Apply knowledge of the ways people act and have acted in response to their societies to express an appreciation for how diverse societies and social subgroups operate to understand social dynamics within historical and contemporary communities.
4. Understand ways in which people throughout the ages and in Western and non-Western cultures have responded to themselves and the world around them in artistic and cultural creation; apply this knowledge to make value judgments on cultural activities and artistic expressions and demonstrate an understanding of the interrelationship between the creative arts, the humanities and self.
5. Engage in verbal communication by participating in discussions, debates, and oral presentations utilizing proper rhetorical perspective, reasoning and advocacy, organization, accuracy, and the discovery, critical evaluation and reporting of information.
6. Compose effective written communications and essays with correct grammar, spelling, punctuation and appropriate language, style and format utilizing academically accepted means of researching, evaluating and documenting sources within written works.
7. Analyze, evaluate and explain theories, concepts and skills within varied disciplines using inductive and deductive processes and quantitative reasoning and application.



8. Demonstrate appreciation of themselves as living organism through their choices for physical health, activities, stress management, relationships to the social and physical environment, and responsible decision-making.

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## Courses that fulfill Career Technical Education and Non-Transfer Associate Degree General Education Requirements

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### **AREA A. Natural Science** (At least 3 units)

Agriculture 10, 20	Geography 1
Anthropology 1	Geology 1, 5
Astronomy 1	Health Occupations 54
Biology 1, 4, 10, 20, 25, 26, 32	Physical Science 1
Chemistry 1A, 1B, 8, 45	Physics 2A, 2B

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### **AREA B. Social and Behavioral Science** (At least 3 units)

Administration of Justice 10, 20	Geography 2
Anthropology 2, 3	History 14, 15, 16, 17
Agriculture 2	Journalism 4
Business 22	Political Science 1
Economics 10, 11	Psychology 1, 2, 5, 6
Ethnic Studies 1	Sociology 1, 2, 3, 4

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### **AREA C. Humanities** (At least 3 units)

Art 1A, 1B, 2, 3, 4A, 6, 7, 8, 9, 10A, 25, 30, 35, 36A	Humanities 1, 2
English 2, 3, 4, 5, 7, 10, 12, 22, 33	Journalism 5
Film 1	Music 1, 6, 7, 12
HIST 14, 15	Philosophy 1, 10,
	Spanish 1, 2, 50

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### **AREA D. Language and Rationality** (At least 3 units from AREA D1 and 3 units from AREA D2)

#### **D1. English Composition**

English 1, 9

#### **D2. Communication and Analytical Thinking**

Journalism 1  
Mathematics 1A, 1B, 1C, 7, 8, 11A, 11B, 40, 60  
Philosophy 2  
Speech 1

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### **AREA E Health and Physical Activities** (At least 3 units)

#### **E1. Health and Activities**

Biology 25, 26  
Child Development 12, 22, 31  
Counseling & Guidance 1  
Health 2, 25  
Human Services 30  
Psychology 1, 2, 18, 31, 33, 80  
Sociology 3  
Work Experience - AGR 49, AJ 49, ART 49, AT 49, BUS  
49, CD 49, FS 49, GSS 49, HO 49, HUS 49, JOUR 49,  
WT 49, WE 1, & WE 2

#### **E2. Physical Activities**

(If the 3 units are taken in Physical Education (PE) or Physical Education Activities Courses (PEAC), the student must take at least 2 different courses.)

Agriculture 21B  
Physical Education Activities Courses 2A, 2B, 2C, 2D, 5A,  
5B, 5C, 5D, 6, 6B, 6D, 7, 7D, 9, 9B, 9D, 10, 10D, 14, 16,  
32D, 34, 44

**For General Education Transfer Curriculum (CSU/IGETC) See Pages 63-64**

# Administration of Justice

## DEGREES

Associate in Science in Administration of Justice for Transfer  
Associate in Arts in Administration of Justice

## CERTIFICATE OF ACHIEVEMENT

Administration of Justice

## CERTIFICATE OF ACCOMPLISHMENT

Administration of Justice Reserve  
Officer Training III – Safety and Security Personnel

Many career opportunities are open to students who complete the Administration of Justice Program, which is designed to prepare students for employment following graduation or for transfer to a California State University offering an upper division major in Administration of Justice. Curriculum covers prevention, discovery, control and treatment of crimes and criminals, evidence collection, criminal law, community relations and other elements of the profession. Professionally rewarding jobs are available in local, state and federal law enforcement. The program is updated with the assistance of an advisory committee consisting of law enforcement and correctional science professionals.

As an Administration of Justice major, you will:

- Study the history, philosophy and theories of crime; the structure of the criminal justice, courts and correctional systems; elements of community relations and current careers.
- Develop skills in criminal investigations and prosecution, community relations and communication.
- Identify an area of specialization in the administration of justice field.

## Career Options

Police Officer  
Sheriff's Deputy  
Court Personnel  
Parole Agent  
Probation Officer  
Correctional Officer  
Juvenile Services  
Detention Personnel  
Community Relations Officer

*Internships in Administration of Justice may be available for students interested in Work Experience opportunities*

## Career Preparation

The Associates in Science Degree in Administration of Justice for Transfer prepares the student for transfer to a California State University.

The Associates in Arts Degree and Certificate of Achievement in Administration of Justice are designed to prepare students for local employment upon graduation.

## Program Highlights

Lassen Community College offers its Administration of Justice Degrees by way of traditional classroom study or by correspondence delivery.

Associate Degree and Certificate of Achievement in Administration of Justice can be completed within two (2) years.

Some positions however require a four-year degree for which Lassen Community College's program is a good base for transfer.

### Note to Transfer Students:

The benefit for students completing the AS-T degree is that the California State University (CSU) system is required to grant admission with junior status to any community college student who meets all of the requirements. "CSU is required to grant priority admission for a student with this associate degree to his or her local CSU campus and to a program or major that is similar to this major, as determined by the CSU campus to which the student is admitted."



Associate Degree  
for Transfer™

## Associate in Science in Administration of Justice for Transfer

**Total units for the Associated in Science Degree with a minimum grade point average of 2.0: 60 units**

**Required Core Courses: 18 Units**

**Complete the following 6 Units:**

Course No	Course Title	Units
AJ 12	Introduction to Criminal Justice	3.0
AJ 20	Criminal Law	3.0

**Select 6 additional Units from the following:**

AJ 9	Introduction to Correctional Science	3.0
AJ 14	Juvenile Procedures	3.0
AJ 23	Criminal Evidence	3.0
AJ 24	Community Relations	3.0
AJ-35	Investigative Techniques	3.0

**Select 6 additional Units from the following:**

MATH 40	Elementary Statistics	3.0
PSY 1	Introduction to Psychology	3.0
SOC 1	Introduction to Sociology	3.0

**Completion of either the CSU General Education or IGETC Option**

Remaining Units to Total 60 Units may be selected from electives. Courses must be numbered 1 – 49.

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**Program Student Learning Outcomes**

Upon completion of the **Associate in Science Degree in Administration of Justice for Transfer**, the student will be able to:

1. Demonstrate an understanding of the workings of the criminal justice system by applying definitions, concepts, and principles to law enforcement and the courts.
2. Apply critical thinking to research, evaluate, analyze and synthesize the appropriate procedures for the collection of evidence and data in criminal case preparation for law enforcement agencies.
3. Develop, organize and write an objective report that meets the legal and detailed requirements of law enforcement agencies.

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**Associate in Arts Degree in Administration of Justice**

**Total Units for the Associate in Arts Degree: 60 Units**

**Total Core Units: 36 units**

**Required Core Courses: 21 Units**

Course No	Course Title	Units	AJ 49	Administration of Justice Work	1.0-8.0
AJ 9	Introduction to Correctional Science	3.0		Experience	
AJ 12	Introduction to Criminal Justice	3.0	AJ 52A	Arrest Methods and Procedures	2.5
AJ 14	Juvenile Procedures	3.0	AJ 52B	Firearms P.C. 832	0.5
AJ 20	Criminal Law	3.0	AJ 52C	Reserve Officer Training Level III (Beginning)	8.0
AJ 23	Criminal Evidence	3.0			
AJ 24	Community Relations	3.0	AJ 53	Reserve Officer Training Level II (Intermediate)	10.5
AJ 35	Investigative Techniques	3.0			
	<b>Required Electives: 12 Units</b>		AJ 56	Spanish for Law Enforcement	3.0
AJ 10	Criminology	3.0	<b>Electives: 9 Units</b> (The student may select from any courses numbered 1-99 to satisfy this requirement.)		
AJ 11	Youth Gangs in America	3.0	<b>General Education Requirements: 18 Units</b>		
AJ 13	Narcotics Investigation and Identification	3.0			
AJ 37	Patrol Procedures/Concepts	3.0			

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**Certificate of Achievement: Administration of Justice**

**Total Units for the Certificate of Achievement: 30 Units**

**Required Core Courses: 21 Units**

Course No	Course Title	Units	AJ 37	Patrol Procedures/Concepts	3.0
AJ 9	Introduction to Correctional Science	3.0	AJ 49	Administration of Justice Work	1.0-8.0
AJ 12	Introduction to Criminal Justice	3.0		Experience	
AJ 14	Juvenile Procedures	3.0	AJ 52A	Arrest Methods and Procedures	2.5
AJ 20	Criminal Law	3.0	AJ 52B	Firearms P.C. 832	0.5
AJ 23	Criminal Evidence	3.0	AJ 52C	Reserve Officer Training Level III (Beginning)	8.0
AJ 24	Community Relations	3.0			
AJ 35	Investigative Techniques	3.0	AJ 53	Reserve Officer Training Level II (Intermediate)	10.5
	<b>Required Electives: 9 Units</b>		AJ 56	Spanish for Law Enforcement	3.0
AJ 10	Criminology	3.0			
AJ 11	Youth Gangs in America	3.0			
AJ 13	Narcotics Investigation and Identification	3.0			

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**Program Student Learning Outcomes**

Upon completion of the **Associate in Arts Degree** or the **Certificate of Achievement in Administration of Justice** the student will be able to:

1. Demonstrate an understanding of the workings of the criminal justice system by applying definitions, concepts, and principles to law enforcement and the courts.
2. Apply critical thinking to research, evaluate, analyze and synthesize the appropriate procedures for the collection of evidence and data in criminal case preparation for law enforcement agencies.
3. Develop, organize and write an objective report that meets the legal and detailed requirements of law enforcement agencies.
4. Be academically prepared to obtain an entry-level or midlevel position within the Criminal Justice System.

**Certificate of Accomplishment: Administration of Justice Reserve Officer  
Training III –Safety and Security Personnel**

**Total Units for the Certificate of Accomplishment: 15 Units**

**Required Core Courses: 11 Units**

Course No	Course Title	Units			
			AJ 20	Criminal Law	3.0
			AJ 23	Criminal Evidence	3.0
AJ 52A	Arrest Methods and Procedures	2.5	AJ 24	Community Relations	3.0
AJ 52B	Firearms P.C. 832	0.5	AJ 35	Investigative Techniques	3.0
AJ 52C	Reserve Officer Training Level III (Beginning)	8.0	AJ 37	Patrol Procedures/Concepts	3.0
			AJ 49	Administration of Justice Work Experience	1.0-8.0
			AJ 53	Reserve Officer Training Level II (Intermediate)	10.5
			AJ 56	Spanish for Law Enforcement	3.0
<b>Required Electives: 4 Units</b>					
AJ 9	Introduction to Correctional Science	3.0			
AJ 10	Criminology	3.0			
AJ 12	Introduction to Criminal Justice	3.0			
AJ 13	Narcotics Investigation and Identification	3.0			
AJ 14	Juvenile Procedures	3.0			

**Program Student Learning Outcomes**

Upon completion of the **Certificate of Accomplishment Administration of Justice Reserve Officer Training III – Safety and Security Personnel**, the student will be able to:

1. Demonstrate the ability to pass the required state exam for Administrative of Justice Reserve Officer III and become certified with the State of California.





# Agriculture

## DEGREES

Associate in Arts University Studies: Emphasis in  
Agriculture Sciences  
Associate in Science in Agriculture Science and  
Technology

## CERTIFICATE OF ACHIEVEMENT

Agriculture Science and Technology

## CERTIFICATES OF ACCOMPLISHMENT

Animal Science  
Horsemanship  
Agriculture Business

Agriculture is a vital component of our local, state, and national economies and offers many exciting employment opportunities. LCC's Agriculture program offers two different courses of study: one program designed to provide the student an Associate in Arts Degree and to facilitate transfer to a university campus and one program designed to provide the student with a very specific set of skills in areas such as general agriculture, animal science and plant science. The curricula are updated with the assistance of an industry advisory committee.

As an Agriculture major, you will:

- Study an agriculture curriculum including: agriculture business, plant science and animal science.
- Identify the agricultural career you are most interested in and build a course of study to better qualify you for a profession.

## Career Options

Management  
Supervision  
Government  
Marketing  
Distribution  
Sales and Service  
Nursery Management and  
Operations Park Maintenance  
Landscape Design  
Teaching  
Contracting & Maintenance  
Fertilizer & Insecticide  
Application  
Retail/Wholesale  
Estimator

Some positions however require a four-year degree for which Lassen Community College's program is a good base for transfer.

## Program Highlights

- Lassen has A.I./Embryo Transfer classes which train students to be an A.I./Embryo Technician.
- The Agriculture Department sponsors a rodeo team that competes against other schools from California and Nevada in the National Intercollegiate Rodeo Association.
- An 336 sq. ft. All-Season Greenhouse
- One program designed to provide the student with a very specific set of skills in areas such as general agriculture, animal science and plant science
- Depending on the selected course of study, a student will be provided with the skills to acquire an entry-level position in the industry.

Associate Degree and Certificate of Achievement in Agriculture can be completed within two (2) years

*Internships in Agriculture may be available for students interested in Work Experience opportunities.*

### Note to Transfer Students:

If you are interested in transferring to a four-year college or university to pursue a bachelor's degree in this major, it is critical that you meet with a counselor to select and plan the courses for your major. Schools vary widely in terms of the required preparation. The courses that Lassen Community College requires for an associate degree in this major may be different from the requirements needed for the bachelor's degree.

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## Associate in Arts Degree University Studies: Emphasis in Agriculture Sciences

**Total Units for the Associate in Arts Degree: 60 Units**

**Required Core Courses: 18 Units**

Select 18 units from the following:

Course No	Course Title	Units
AGR 1	Agricultural Accounting	3.0
AGR 2	Agricultural Economics	3.0
AGR 10	Introduction to Animal Science	3.0
AGR 13	Feeds and Feeding	3.0
AGR 20	Introduction to Plant Science	4.0

AGR 40	Basic Agricultural Mechanics	3.0
AGR 41	Farm Tractors and Farm Power	3.0

### **Completion of either the CSU General Education or IGETC Option**

Remaining Units to Total 60 Units may be selected from electives. Courses must be numbered 1 – 49.

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### Program Student Learning Outcomes

Upon completion of the **Associate in Arts Degree University Studies: Emphasis in Agriculture Sciences**, the student will be able to:

1. Demonstrate effective animal husbandry skills, analyze the current market in order to sell the crop or animal at a premium and report the profit or loss, in a ranching situation.
2. Apply effective business, sales and marketing skills when presented with an agribusiness situation.
3. Demonstrate an understanding of the basic methodologies of science.

### Associate in Science Degree: Agriculture Science and Technology

**Total Units for the Associate in Science Degree: 60 units**

**Required Core Courses: 31 Units**

Course No	Course Title	Units
AGR 1	Agricultural Accounting <b><u>OR</u></b>	3.0
BUS 13	Basic Accounting	3.0
AGR 2	Agricultural Economics	3.0
AGR 9	Food Animal Selection	3.0
AGR 10	Introduction to Animal Science	3.0
AGR 11	Beef Cattle Production	3.0
AGR 13	Feeds and Feeding	3.0
AGR 14	Equine Science	3.0
AGR 19	Introduction to Soil Science	3.0
AGR 20	Introduction to Plant Science	4.0

AGR 40 Basic Agricultural Mechanics 3.0

**Required Electives: 6 Units**

*The student may select 6 units from any of the following.*

AGR 3	Introduction to Agricultural Business	3.0
AGR 8	Introduction to Animal Production	3.0
AGR 12	Animal Health and Disease	3.0
AGR 31	Bovine Embryo Transfer	3.0
AGR 41	Farm Tractors and Farm Power	3.0
AGR 61	Introduction to Bovine Reproduction	1.5

**Electives: 5 Units** (The student may select from any courses numbered 1 - 99 to satisfy this requirement.)

**General Education Requirements: 18 Units**

### Certificate of Achievement: Agriculture Science and Technology

**Total Units for the Certificate of Achievement Agriculture Science and Technology: 34 Units**

**Required Core Courses: 31 Units**

Course No	Course Title	Units
AGR 1	Agricultural Accounting <b><u>OR</u></b>	3.0
BUS 13	Basic Accounting	3.0
AGR 2	Agricultural Economics	3.0
AGR 9	Food Animal Selection	3.0
AGR 10	Introduction to Animal Science	3.0
AGR 11	Beef Cattle Production	3.0
AGR 13	Feeds and Feeding	3.0
AGR 14	Equine Science	3.0
AGR 19	Introduction to Soil Science	3.0
AGR 20	Introduction to Plant Science	4.0

AGR 40 Basic Agricultural Mechanics 3.0

**Required Electives: 3 Units**

*The student may select 3 units from any of the following courses to satisfy this requirement.*

AGR 3	Introduction to Agricultural Business	3.0
AGR 8	Introduction to Animal Production	3.0
AGR 12	Animal health and Disease	3.0
AGR 31	Bovine Embryo Transfer	3.0
AGR 41	Farm Tractors and Farm Power	3.0
AGR 61	Introduction to Bovine Reproduction	1.5

### Program Student Learning Outcomes

Upon completion of the **Associate in Science Degree** or the **Certificate of Achievement in Agricultural Science and Technology** the student will be able to:

1. Demonstrate effective animal husbandry skills, analyze the current market in order to sell the crop or animal at a premium and report the profit or loss, in a ranching situation.
2. Apply effective business, sales and marketing skills when presented with an agribusiness situation.

### Certificate of Accomplishment: Agriculture Business

**Total Units for the Certificate of Accomplishment–Agriculture Business: 11 Units**

**Required Core Courses: 11 Units**

Course No	Course Title	Units
AGR 1	Agricultural Accounting	3.0
AGR 2	Agricultural Economics	3.0

AGR 3 Introduction to Agriculture Business 3.0

CA 31 Computer Applications I 2.0

### Program Student Learning Outcomes

Upon completion of the **Certificate of Accomplishment in Agriculture Business**, the student will be able to:

1. Analyze and make business decisions based on a business model.
2. Make business decisions using supply and demand.
3. Effectively and efficiently use computer programs, including Word and Excel.
4. Demonstrate an understanding of accrual accounting.

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**Certificate of Accomplishment: Animal Science**

**Total Units for the Certificate of Accomplishment:**

**Animal Science: 16.5 Units**

Course No	Course Title	Units	AGR 12	Animal Health and Disease	3.0
AGR 8	Introduction to Animal Production	3.0	AGR 13	Feeds and Feeding	3.0
AGR 10	Introduction to Animal Science	3.0	AGR 61	Introduction to Bovine Reproduction	1.5
AGR 11	Beef Cattle Production	3.0			

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**Program Student Learning Outcomes**

Upon completion of the **Certificate of Accomplishment in Animal Science**, the student will be able to:

1. Evaluate common management practices for farm animal health and reproduction.
2. Evaluate a genetic data sheet and rank the animals for a given scenario.
3. Plan a ranch management calendar for major animal species.
4. Plan a breeding program to maximize maternal heterosis.
5. Balance a ration using least cost principles.
6. Evaluate an animal production operation evaluating all production practices.

.....  
**Certificate of Accomplishment: Horsemanship**

**Total Units for the Certificate of Accomplishment:**

**Horsemanship: 14 Units**

Course No	Course Title	Units	AGR 57	Beginning Horseshoeing	3.0
AGR 14	Equine Science	3.0	<b>And one of the following:</b>		
AGR 23	Western Riding and Training	2.0	AGR 24	English Riding and Training	2.0
AGR 50	Basic Riding	2.0	AGR 51	Horsemanship	2.0
AGR 53	Colt Training	2.0			

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**Program Student Learning Outcomes**

Upon completion of the **Certificate of Accomplishment in Horsemanship**, the student will be able to:

1. Analyze pedigrees, evaluate horses for correct structure and balance, and select the most complete horse for the required task and design appropriate training program.
2. Demonstrate comprehension of correct procedures for horses and apply those practices in order to produce a well-trained horse in the Western or English disciplines.



# Allied Health

## DEGREES

Associate in Arts Degree University Studies:  
Emphasis in Allied Health

### AA DEGREE UNIVERSITY STUDIES: EMPHASIS IN ALLIED HEALTH

The emphasis in Allied Health is designed to provide the lower division major courses to transfer to a university and earn a Bachelor's degree in a health or medical field. Students must meet with a counselor to ensure completion required coursework for chosen major and specific college/university.

As an Allied Health major, you will:

- Complete prerequisite courses for degrees in nursing, health care, occupational health and safety, or health care related fields.
- Explore a variety of science and general education courses.

#### Career Options

Community Health Educator  
Family Planning Educator  
Environmental Health Specialist  
Health Program Coordinator  
Physician's Assistant  
Physical Therapist

Public Health Educator  
Registered Nurse

#### Program Highlights

Prerequisite courses for Registered Nursing (RN) upgrade programs

Small class size

Hands-on activities

Associate Degree and Certificate of Achievement in Nursing and Allied Health can be completed within two (2) years.

#### Note to Transfer Students:

If you are interested in transferring to a four-year college or university to pursue a bachelor's degree in this major, it is critical that you meet with a counselor to select and plan the courses for your major. Schools vary widely in terms of the required preparation. The courses that Lassen Community College require for an associate degree in this major may be different from the requirements needed for the bachelor's degree.

### Associate in Arts Degree University Studies:

#### Emphasis in Allied Health

**Total Units for the Associate in Arts Degree: 60 Units**

**Required Core Courses: 20 Units**

Course No	Course Title	Units			
BIOL 20	Microbiology	5.0	ANTH 2	Cultural Anthropology	3.0
BIOL 25	Human Anatomy and Physiology I	4.0	CD/PSY 31	Child Development: Conception Through Adolescence	3.0
BIOL 26	Human Anatomy and Physiology II	4.0	HLTH 25	Understanding Nutrition	3.0
CHEM 8	Introduction to Organic and Biochemistry	4.0	SOC 1	Introduction to Sociology	3.0
PSY 1	Introduction to Psychology	3.0			

*The following courses are generally required for health and medical degrees at four year colleges and universities.*

*Please discuss with your counselor whether you need these and how they will fit into your General Education coursework:*

#### Completion of either the CSU General Education or IGETC Option

Remaining Units to Total 60 Units may be selected from electives. Courses must be numbered 1 – 49.

#### Program Student Learning Outcomes

Upon completion of the **Associate in Arts Degree University Studies: Emphasis in Allied Health**, the student will be able to:

1. Analyze information available regarding risk factors to a healthy lifestyle as well as behaviors that promote a healthy lifestyle; understand the impact of positive and negative factors on one's own health; and make lifestyle choices and changes to best promote a wellness balance for one's own life.
2. Relate the structures and functions of the various body systems in a human organism to the metabolic activities of a single selected body cell.
3. Analyze and relate the appropriate identification techniques to be utilized in the diagnosis of a potential life threatening infection.
4. Demonstrate an understanding of the basic methodologies of science.



# Anthropology

## DEGREE

Associate in Arts in Anthropology for Transfer

The Associate in Arts Degree for Transfer in Anthropology is designed to provide students with a strong foundation for the study of humankind in all times and places in preparation for transfer to a California State University. It is an excellent starting point for students interested in pursuing a baccalaureate degree in Anthropology. The anthropology major is designed to provide undergraduate preparation leading to careers in law, social science, medicine, business, folklore, and education.

As an Anthropology major, you will:

- Study a comprehensive introduction to the field of anthropology through courses that are academically rigorous and content appropriate.
- Develop a solid foundation in the basic elements of scientific inquiry
- Identify an area of specialization in anthropology.

### Career Options

Cultural Manager  
Lawyer  
Resource Manager  
Social Services Worker  
Teacher

### Career Preparation

The Associate in Arts in Anthropology for transfer prepares the student to transfer to a four-year college or university.

### Program Highlights

The Associate in Arts in Anthropology for Transfer Degree includes the core curriculum for transfer to a California State University.  
Small class size  
Individualized tutoring  
Laboratory and Field study opportunities

### Note to Transfer Students:

The benefit for students completing the AA-T degree is that the California State University (CSU) system is required to grant admission with junior status to any community college student who meets all of the requirements. "CSU is required to grant priority admission for a student with this associate degree to his or her local CSU campus and to a program or major that is similar to this major, as determined by the CSU campus to which the student is admitted."



Associate Degree  
for Transfer™

## Associate in Arts Degree in Anthropology for Transfer

**Total units for the Associated in Arts Degree with a minimum grade point average of 2.0: 60 units**

### Required Core Courses: 19 Units

Course No.	Course Title	Units			
ANTH 1	Biological Anthropology	3.0	MATH 40	Elementary Statistics	3.0
ANTH 2	Cultural Anthropology	3.0	SOC 1	Introduction to Sociology	4.0
ANTH 3	Introduction to Archaeology	3.0	<b>Completion of either the CSU General Education or IGETC Option</b>		
GEOL 1	Physical Geology	3.0	Remaining Units to Total 60 Units may be selected from electives. Courses must be numbered 1 – 49.		

### Program Student Learning Outcomes

Upon completion of the **Associate in Arts Degree in Anthropology for Transfer** student will be able to:

1. Given a current topic, demonstrate the ability to describe, analyze, and interpret anthropological data derived from research using traditional and technological skills, to write an organized, factually correct, well-documented paper.
2. Demonstrate knowledge and understanding of the common origins of human societies.
3. Given a set or problems or questions, use the scientific method to develop a hypothesis, conduct research, and reach a conclusion.
4. Explain how people adopt various customs, beliefs, traditions and lifestyles. Explain reasons why one's worldview may be in conflict with another's.

# Art

## DEGREE

Associate in Arts in Art History for Transfer  
Associate in Arts in Studio Art for Transfer

The Associate in Arts Degree in Art History for Transfer and the Associate in Arts Degree in Studio Art for Transfer are designed to provide students with strong foundations for the study of art history and studio art in order to transfer to a California State University.

Lassen's art curriculum offers introductory and intermediate level courses in painting, watercolor, computer art, drawing, sculpture, ceramics, printmaking and design, as well as courses in art appreciation and art history. Through the program's art theory and art practice classes, students develop an awareness and understanding of the materials, tools, rationale and significance of art in society.

The art curriculum's critical thinking and technical skills components encourage students to utilize independent thought processes and problem solving. This program provides transfer and employment opportunities as well as personal enrichment for students.

As an Art major, you will:

- Study a general visual arts curriculum that includes traditional course in drawing, painting, ceramics, photography, design, and art history, as well as digital imaging, courses using the latest software.
- Develop the techniques and skills necessary to begin to achieve your goals in the visual arts.
- Identify possible career courses and individual styles that suit your aims.

## Career Options

Painter  
Sculptor  
Ceramist  
Art Instructor  
Illustrator  
Printmaker  
Computer Publishing Specialist  
Graphic Designer  
Gallery Director  
Graphic Artist  
Computer Artist

## Program Highlights

- An excellent full service facility, including studios for ceramics, traditional photography and jewelry design.
- Experience instructors who continued to create their own work, sharing their passion with you.
- Small class sizes that allow personal dialog with instructors.
- The subtle beauty of the Great Basin for inspiration.
- Work experience positions are available for students to broaden their studies.

Associate Degree in Art can be completed within two (2) years

*Internships in Art may be available for students interested in Work Experience opportunities.*

Some positions however require a four-year degree for which Lassen Community College's program is a good base for transfer.

### Note to Transfer Students:

The benefit for students completing the AA-T degree is that the California State University (CSU) system is required to grant admission with junior status to any community college student who meets all of the requirements. "CSU is required to grant priority admission for a student with this associate degree to his or her local CSU campus and to a program or major that is similar to this major, as determined by the CSU campus to which the student is admitted."



Associate Degree  
for Transfer™

## Associate in Arts in Art History for Transfer

**Total units for the Associated in Arts Degree with a minimum grade point average of 2.0: 60 units**

**Required Core Courses: 18 Units**

**Complete the following 9 Units:**

Course No	Course Title	Units
ART 2	Drawing	3.0
ART 6	Survey of Art History: Prehistoric to Renaissance	3.0
ART 7	Survey of Art History: Renaissance Through Contemporary	3.0

**Complete the following 3 Units:**

ART 9	History of Asian Art	3.0
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**Select 6 additional units from the following:**

ART 1A	Two-Dimensional Design	3.0
ART 1B	Three-Dimensional Design	3.0
ART 3	Beginning Life Drawing	3.0
ART 4A	Beginning Photography	3.0
ART 10A	Beginning Painting	3.0
ART 25	Computer Graphics	3.0
ART 30	Introduction to Sculpture	3.0
ART 36A	Beginning Ceramics	3.0

**Completion of either the CSU General Education or IGETC Option**

Remaining Units to Total 60 Units may be selected from electives. Courses must be numbered 1 – 49.

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**Program Student Learning Outcomes**

Upon completion of the **Associate in Arts in Art History for Transfer** the student will be able to:

1. Critically interpret, evaluate and critique orally and in writing visual works of art from various historical periods and cultures.
2. Demonstrate orally and in writing the relevance of various historical and cultural art styles to today's global culture.
3. Produce basic realistic and nonrealistic drawings of various subjects using alternate styles.
4. Produce visual works of art in at least one medium in addition to drawing.

.....  
**Associate in Arts in Studio Arts for Transfer**

**Total units for the Associated in Arts Degree with a minimum grade point average of 2.0: 60 units**

**Required Core Courses: 24 Units**

**Complete the following 12 units:**

Course No	Course Title	Units	ART 10A	Beginning Painting	3.0
ART 1A	Two-Dimensional Design	3.0	ART 23	Beginning Printmaking	3.0
ART 1B	Three-Dimensional Design	3.0	ART 25	Computer Graphics	3.0
ART 2	Drawing	3.0	ART 30	Introduction to Sculpture	3.0
ART 7	Survey of Art History Renaissance Through Contemporary	3.0	ART 36A	Beginning Ceramics	3.0
			ART 43A	Beginning Jewelry and Metalsmithing	3.0

**Select 3 additional units from the following:**

ART 6	Survey of Art History: Prehistoric To Renaissance	3.0
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ART 9	History of Asian Art	3.0
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**Select 9 additional units from the following:**

ART 3	Beginning Life Drawing	3.0
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ART 4A	Beginning Photography	3.0
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**Completion of either the CSU General Education or IGETC Option**

Remaining Units to Total 60 Units may be selected from electives. Courses must be numbered 1 – 49.

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**Program Student Learning Outcomes**

Upon completion of the **Associate in Arts in Studio Art for Transfer** the student will be able to:

1. Solve basic problems of visual expression using various techniques and mediums.
2. Produce basic realistic and nonrealistic drawings of various subjects using alternate styles.
3. Produce visual works of art in a variety of mediums.
4. Interpret, evaluate and critiques orally and in writing visual works of art.
5. Demonstrate knowledge of specific historical and cultural art styles.



# Automotive Technology

## DEGREE

Associate in Science in Automotive Technology

## CERTIFICATES OF ACHIEVEMENT

Advanced Mechanics  
Engine Repair

## CERTIFICATES OF ACCOMPLISHMENT

Basic Mechanics  
General Mechanics  
Electrical

The Automotive Technology Program is designed to prepare the student with the necessary skills to acquire an entry-level position in the automotive industry. The Program is also designed to assist those already employed in the industry and those in the community to improve their skills. The Automotive Program offers course work in engine repair, chassis electrical, automatic transmissions and other components. The curriculum is updated with the assistance of industry advisory committee.

As an Automotive major, you will:

- Study the diagnostic procedures necessary to determine simple and complex problems, fix them and provide ongoing maintenance.
- Develop an in-depth understanding of why cars work the way they do, allowing you to better fix and maintain vehicles, and provide a higher level of service.
- Identify terms associated with automobiles as well as automotive components along with basic identification and proper use of various hand and power tools and shop equipment.

## Career Options

Mechanic  
Partsman  
Service writer  
Service manager  
Fleet Repair

## Program Highlights

- Fully equipped auto shop
- Hands-on training
- One-on-one instruction

Internships in Automotive Technologies may be available for students interested in Work Experience opportunities

Some positions however require a four-year degree for which Lassen Community College's program is a good base for transfer.

## Associate in Science Degree Automotive Technology

**Total Units for the Associate in Science Degree: 60 Units**

**Required Core Courses: 39 Units**

Course No	Course Title	Units
AT 50	Car Care Basics	3.0
AT 54	Brakes	3.0
AT 56	Steering and Suspension	3.0
AT 58	Automotive Heating and Air Conditioning	3.0
AT 60	Shop Management and Service Writer	2.0
AT 66	Manual Drive Train	4.0
AT 68	Automatic Transmissions	3.0
AT 70	General Automotive Lab	2.0

AT 72	Engine Repair and Machining-Short Block	4.0
AT 74	Engine Repair and Machining-Cylinder Heads	3.0
AT 80	Basic Electrical	3.0
AT 82	Engine Performance I	3.0
AT 84	Engine Performance II	3.0

**Electives: 3 Units** (The student may select from any courses numbered 1 – 99 to satisfy this requirement.)

**General Education Requirements: 18 Units**

## Program Student Learning Outcomes

Upon completion of the **Automotive Technology Associate in Science Degree** the student will be able to:

- 1 Diagnose a specific automotive malfunction; execute the appropriate corrective steps and verify the problem has been resolved.
- 2 Perform general maintenance and upkeep procedures on a variety of automobiles.

## Certificate of Achievement Engine Repair

**Total Units for the Certificate of Achievement: Engine Repair: 22 Units**

**Required Core Courses: 19 Units**

Course No	Course Title	Units
AT 50	Car Care Basics	3.0
AT 58	Automotive Heating and Air Conditioning	3.0
AT 60	Shop Management and Service Writer	2.0
AT 70	General Automotive Lab	2.0
AT 72	Engine Repair and Machining-Short Block	4.0

AT 74	Engine Repair and Machining-Cylinder Heads	3.0
AT 76	Automotive Machining Lab	2.0
<b>Required Electives: 3 Units</b>		
Course No	Course Title	Units
AT 64	Diesel Repair and Maintenance	3.0
AT 88	Vintage Vehicle Repair	3.0

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**Program Student Learning Outcomes**

Upon completion of the **Certificate of Achievement – Engine Repair** the student will be able to:

- 1 Diagnose various automotive engine system malfunctions: execute the appropriate corrective steps and verify the problem has been resolved.
  - 2 Perform automotive preventative maintenance according to industry standards.
  - 3 Perform standard documentation found on automotive repair orders.
- .....

**Certificate of Achievement Advanced Mechanics**

**Total Units for the Certificate of Achievement: Advanced Mechanics: 23 Units**

**Required Core Courses: 23 Units**

Course No	Course Title	Units	AT 60	Shop Management and Service Writer	2.0
AT 50	Car Care Basics	3.0	AT 66	Manual Drive Train	4.0
AT 54	Brakes	3.0	AT 68	Automatic Transmissions	3.0
AT 56	Steering and Suspension	3.0	AT 70	General Automotive Lab	2.0
AT 58	Automotive Heating and Air Conditioning	3.0			

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**Program Student Learning Outcomes**

Upon completion of the **Certificate of Achievement – Advanced Mechanics** the student will be able to:

- 1 Diagnose common automotive drivetrain malfunctions, execute the appropriate corrective steps and verify the problem has been resolved.
  - 2 Perform automotive preventative maintenance according to industry standards.
  - 3 Perform standard documentation found on automotive repair orders.
- .....

**Certificate of Accomplishment – General Mechanics**

**Total Units for the Certificate of Accomplishment – General Mechanics: 14 Units**

**Required Core Courses: 14 Units**

Course No	Course Title	Units	AT 56	Steering and Suspension	3.0
AT 50	Car Care Basics	3.0	AT 60	Shop Management and Service Writer	2.0
AT 54	Brakes	3.0	AT 64	Diesel Repair and Maintenance	3.0

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**Program Student Learning Outcomes**

Upon completion of the **Certificate of Accomplishment – General Mechanics** the student will be able to:

- 1 Diagnose basic automotive chassis system malfunctions; execute the appropriate corrective steps and verify the problem has been resolved.
  - 2 Perform automotive preventative maintenance according to industry standards
  - 3 Perform standard documentation found on automotive repair orders.
- .....

**Certificate of Accomplishment – Basic Mechanics**

**Total Units for the Certificate of Accomplishment – Basic Mechanics: 12 Units**

**Required Core Courses: 12 Units**

Course No	Course Title	Units	AT 56	Steering and Suspension	3.0
AT 50	Car Care Basics	3.0	AT 80	Basic Electrical	3.0
AT 54	Brakes	3.0			

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**Program Student Learning Outcomes**

Upon completion of the **Certificate of Accomplishment – Basic Mechanics** the student will be able to:

- 1 Diagnose basic automotive drivetrain malfunctions, execute the appropriate corrective steps and verify the malfunction has been resolved.
- 2 Perform automotive preventative maintenance according to industry standards
- 3 Perform standard documentation found on automotive repair orders.



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## Certificate of Accomplishment – Electrical

**Total Units for the Certificate of Accomplishment – Electrical: 12 Units**

**Required Core Courses: 12 Units**

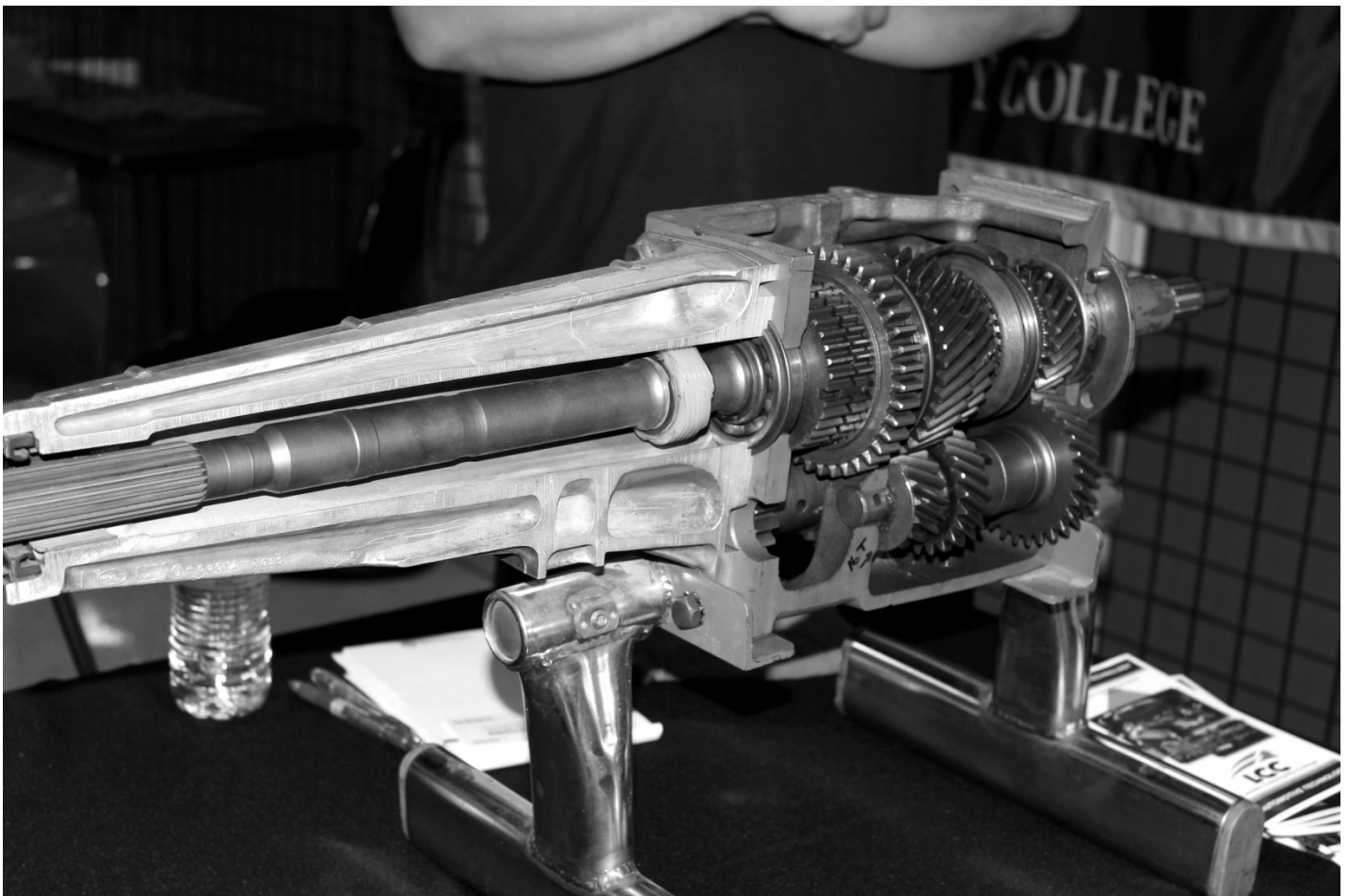
Course No	Course Title	Units			
AT 50	Car Care Basics	3.0	AT 82	Engine Performance I	3.0
AT 80	Basic Electrical	3.0	AT 84	Engine Performance II	3.0

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### Program Student Learning Outcomes

Upon completion of the **Certificate of Accomplishment – Electrical** the student will be able to:

- 1 Diagnose basic automotive electrical system malfunctions; execute the appropriate corrective steps and verify the problem has been resolved.
- 2 Perform preventative maintenance and basic electrical system testing to verify proper operation of automotive starting, charging, and lighting systems.



# Biological Science

## DEGREE

Associate in Science Degree University Studies: Biological Science Major Preparation

The Associate in Science Degree University Studies: Biological Science Major Preparation is designed to prepare students for transfer to a California State University with partial fulfillment of the major core requirements for biological science major's at most state universities.

As a Biological Science major, you will:

- Study a broad overview of biological science including molecular/cellular biology, zoology and botany in addition to physical science including chemistry and physics.
- Develop a solid foundation in the basic elements of scientific inquiry.

## Career Options

Doctor  
Field Biologist  
Forensic Scientist  
Laboratory Technician  
Pharmacist  
Registered Nurse  
Teacher  
Veterinarian

## Related Degree

Associate in Arts Degree University Studies: Emphasis in Allied Health  
See Nursing/Allied Health for degree specifics.

## Program Highlights

- Core curriculum in biological science for transfer students
- Natural History of Plants & Animals of Northeastern California
- Prerequisite courses for Registered Nursing (RN) upgrade programs.

Associate Degree and Certificate of Achievement in Biological Science Major Preparation can be completed within two (2) years

### Note to Transfer Students:

If you are interested in transferring to a four-year college or university to pursue a bachelor's degree in this major, it is critical that you meet with a counselor to select and plan the courses for your major. Schools vary widely in terms of the required preparation. The courses that Lassen Community College requires for an associate degree in this major may be different from the requirements needed for the bachelor's degree.

## Associate in Science Degree University Studies: Biological Science Major Preparation

**Total units for the Associate in Science Degree: 60 Units**

**Select a minimum of 18 units from the following two groups:**

**Required Core Courses: 18 Units**

**Lower Division Major Preparation:**

Required preparation for Biological Sciences Majors

Course No	Course Title	Units
BIOL 1	Principles of Molecular and Cellular Biology	4.0
BIOL 4	Principles of Evolutionary and Organismal and Ecological Biology	5.0
CHEM 1A	General Chemistry I	5.0
CHEM 1B	General Chemistry II	5.0

Courses often required for Biological Sciences Majors

MATH 1A	Analytic Geometry and Calculus I	5.0
MATH 40	Elementary Statistics	3.0
PHYS 2A	General Physics I	4.0
PHYS 2B	General Physics II	4.0

**Completion of either the CSU General Education or IGETC Option**

Remaining Units to Total 60 Units may be selected from electives. Courses must be numbered 1 – 49.

## Program Student Learning Outcomes

Upon completion of the **Associate in Science Degree University Studies: Biological Science Major Preparation**, the student will be able to:

1. Demonstrate an understanding of the uniformity of life by comparing and contrasting characteristics of a variety of living organisms, including genetics and the molecular cellular levels of organization.

# Business

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## DEGREE

Associate in Science in Business  
Administration for Transfer  
Associate in Science in Accounting  
Associates in Arts Degree in Economic for Transfer  
Associate in Science in  
Office Administrative Assistant

## CERTIFICATE OF ACHIEVEMENT

Office Administrative Assistant

## CERTIFICATE OF ACCOMPLISHMENT

Entrepreneurship

### Business Administration for Transfer

The Associate in Science Degree in Business Administration for Transfer is designed to provide students with the common core of lower division courses required by most universities to transfer and pursue a baccalaureate degree in Business Administration. This includes business degrees with options such as accounting, finance, human resources management, management, and marketing. Students must meet with a counselor to ensure completion of required coursework for chosen major and specific college/university.

### Accounting

The Business Program's purpose is to provide students with the opportunity to build a solid foundation in core business skills, accounting, and develop new skills designed to enhance their vocational future in a constantly changing society, and provide transfer opportunities for those seeking an advanced degree. The student will study an introductory business curriculum including accounting, economics, small business management and mathematics.

### Economics for Transfer

The Associate in Arts in Economics for Transfer is designed to provide students with the common core of lower division courses required by most universities to transfer and pursue a baccalaureate degree in Economics. This includes economic degrees with the options such as environmental and international economics.

### Office Administrative Assistant

The Administrative Assistant portion of the Business program is designed to define and develop knowledge, skills and attitudes needed by office professionals. The program offers preparation for first-time employment, re-entry, or career advancement. The curriculum is periodically updated with the assistance of a business advisory committee. The student will study a variety of topics including keyboarding/word processing, integrated office applications, organization and supervision of office activities, business communication, and general office procedures.

### Career Options

Business Administration  
Certified Public Accountant  
Management Accounting  
Auditor  
Budget Analysis  
Financial Accounts  
Administrative Assistant  
Bank Employee  
Clerk  
Data-Entry  
Receptionist  
Retail/Industrial Sales  
Word Processor

### Program Highlights

- Develop the skills needed for today's workplace by identifying your areas of interest early.
- Explore seemingly endless career opportunities from small retail shops to international corporations, every kind of company, organization and government agency relies on business expertise.
- Office Administrative Assistant is among the most ubiquitous and comprehensive of professions with duties ranging from program management, content administration, staff supervision, and office administration to management analysis, travel arrangement, office machine maintenance, and dictation.

Associate Degree and Certificate of Achievement in Business can be completed within two (2) years.

### Note to Transfer Students:

The benefit for students completing the AS-T degree is that the California State University (CSU) system is required to grant admission with junior status to any community college student who meets all of the requirements. "CSU is required to grant priority admission for a student with this associate degree to his or her local CSU campus and to a program or major that is similar to this major, as determined by the CSU campus to which the student is admitted."



Associate Degree  
for Transfer™

**Associate in Science Degree in Business Administration for Transfer**

**Total units for the Associated in Science Degree with a minimum grade point average of 2.0: 60 units**

**Required Core Courses:: 26 Units**

**Complete the following 20 units:**

Course No	Course Title	Units
BUS 1A	Accounting Principles-Financial	4.0
BUS 1B	Accounting Principles-Managerial	4.0
BUS 22	Business Law	3.0
ECON 10	Macro-economics	3.0
ECON 11	Micro-economics	3.0
MATH 40	Elementary Statistics	3.0

**Select 6 additional units from the following:**

BUS 2	Introduction to Business	3.0
BUS 27	Business Communications	3.0
CS 1	Computer Literacy	3.0

**Completion of either the CSU General Education or IGETC Option**

Remaining Units to Total 60 Units may be selected from electives. Courses must be numbered 1 – 49.

**Program Student Learning Outcomes**

Upon completion of the **Associate in Science in Business Administration for Transfer**, the student will be able to:

- Describe and provide current examples of the impact of external forces on business operations and practices including: Social forces (Demographics and cultural shifts) Economic forces (income distribution, macroeconomic conditions) Technological forces (Internet, digital media, e-marketing) Competition (ability of small businesses to compete across borders) Regulatory forces (laws influencing companies and consumers).
- Apply business concepts to marketing, management, finance, accounting, and information technology.
- Demonstrate knowledge of laws effecting working relationships with individuals from diverse cultures and backgrounds.

**Associate in Science Degree Accounting**

**Total Units for the Associate in Science Degree: 60 Units**

**Required Core Courses: 42 Units**

**Complete the following 31 Units**

Course No	Course Title	Units
BUS 1A	Accounting Principles-Financial	4.0
BUS 1B	Accounting Principles-Managerial	4.0
BUS 2	Introduction to Business	3.0
BUS 10	Human Resource Management	3.0
BUS 22	Business Law	3.0
BUS 25	Small Business Management	3.0
CA 31	Computer Applications I	2.0
ECON 10	Macro-economics	3.0
ECON 11	Micro-economics	3.0
MATH 40	Elementary Statistics	3.0

BUS 13	Basic Accounting	3.0
BUS 18	Records Management	3.0
BUS 19	Office Procedures	3.0
BUS 27	Business Communications	3.0
BUS 34A	Microsoft Word, Beginning	3.0
BUS 34B	Microsoft Word, Advanced	3.0
BUS 49	Business Work Experience	1.0-8.0

**Computer Applications Courses**

CA 32	Computer Applications II	2.0
CA 54	Basic Computer Maintenance	2.0
CA 55	Using a Word Processor	0.5
CA 56	Using a Spreadsheet	0.5
CA 57	Using a Database	0.5
CA 59	Microsoft Windows	2.0

**Required Electives: 11 units**

*The student may select from any of the following Business or Computer Applications courses to satisfy this requirement.*

**Business Courses**

BUS 1C	Federal Income Tax	3.0
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**General Education Requirements: 18 Units**

**Program Student Learning Outcomes**

Upon completion of the **Associate in Science Degree in Accounting**, the student will be able to:

- Demonstrate an understanding of financial statements, prepare journal entries and complete an accounting cycle prepared according to Generally Accepted Accounting Principles (GAAP).
- Demonstrate an understanding of managerial accounting approaches to identifying, deriving, and reporting of financial information for internal decision making purposes.
- Apply computer skills to retrieve, analyze, and manage information in a business environment.
- Demonstrate an ability to write clearly and concisely, verbally express themselves in presentations, and use common communication channels.
- Combine critical thinking skills and technical knowledge to solve common problems found in the accounting profession.

**Associate in Arts Degree in Economics for Transfer**

**Total Units for the Certificate of Achievement: 20-22 Units**

**Select 6-9 units from the following**

Course No	Course Title	Units			
ECON 10	Macro Economics	3.0	BUS 1A	Accounting Principles-Financial	4.0
ECON 11	Micro Economics	3.0	BUS 1B	Accounting Principles-Managerial	4.0
MATH 40	Elementary Statistics	3.0	BUS 27	Business Communications	3.0
MATH 1A	Analytical Geometry and Calculus I	5.0	ENGL 9	Critical Thinking and Composition	3.0
			MATH 1B	Analytical Geometry and Calculus II	5.0

**Completion of either the CSU General Education or IGETC Option**

Remaining Units to Total 60 Units may be selected from electives. Courses must be numbered 1 – 49.

**Program Student Learning Outcomes**

Upon completion of the **Associate in Arts Degree** in Economics the student will be able to:

1. Apply economics reasoning to real life situations using economic concepts such as scarcity, marginal utility, and opportunity costs.
2. Use analytical techniques to measure conditions related to the individual, business firms, and macro-economic systems.
3. Explain the role that households, business organizations, governments, and the international sector play in free markets, command economics, and mixed economics
4. Evaluate the objectives, limitations, and mechanics of common regulation, monetary policy, and fiscal policy.

**Associate in Science Degree Office Administrative Assistant**

**Total Units for the Associate in Science Degree: 60 Units**

**Required Core Courses: 42 Units**

**Complete the following 25 units**

Course No	Course Title	Units			
BUS 1A	Accounting Principles-Financial	4.0	BUS 2	Introduction to Business	3.0
BUS 10	Human Resource Management	3.0	BUS 13	Basic Accounting	3.0
BUS 19	Office Procedures	3.0	BUS 18	Records Management	3.0
BUS 22	Business Law	3.0	BUS 25	Small Business Management	3.0
BUS 27	Business Communications	3.0	BUS 49	Business Work Experience	1.0-8.0
BUS 34A	Microsoft Word Beginning	3.0	<b>Computer Applications Courses</b>		
BUS 34B	Microsoft Word Advanced	3.0	CA 32	Computer Applications II	2.0
CA 31	Computer Applications	2.0	CA 54	Basic Computer Maintenance	2.0
COT 52	Keyboard-Level 2	1.0	CA 55	Using a Word Processor	0.5
			CA 56	Using a Spreadsheet	0.5
			CA 57	Using a Database	0.5
			CA 59	Microsoft Windows	2.0
			<b>Computer Office Technology</b>		
			COT 50	Keyboarding, Level 1	1.0
			COT 59	Business Machines: 10-Key	1.0
			<b>General Education Requirements: 18 units</b>		

**Required Electives: 17 units**

*The student may select from any of the following Business, Computer Applications, or Computer Office Technology courses*

**Business Courses**

BUS 1B	Accounting Principles-Managerial	4.0
BUS 1C	Federal Income Tax	3.0

**Certificate of Achievement Office Administrative Assistant**

**Total Units for the Certificate of Achievement: 21 Units**

Course No	Course Title	Units			
BUS 18	Records Management	3.0	BUS 34B	Microsoft Word Advanced	3.0
BUS 19	Office Procedures	3.0	CA 31	Computer Applications I	2.0
BUS 27	Business Communication	3.0	CA 32	Computer Applications II	2.0
BUS 34A	Microsoft Word Beginning	3.0	COT 52	Keyboarding, Level 2	1.0
			COT 59	Business Machines: 10-Key	1.0

**Program Student Learning Outcomes**

Upon completion of the **Associate in Science Degree** or **Certificate of Achievement in Office Administrative Assistant**, the student will be able to:

5. Prepare a complete professional document utilizing appropriate written and verbal communication skills and technology incorporating word processing, spreadsheets and/or graphics.
6. Demonstrate professional behavior, demeanor and interpersonal communication skills appropriate to the office workplace.
7. Demonstrate knowledge of laws effecting working relationships with individuals from diverse cultures and backgrounds.
8. Apply reasoning to determine ethical behavior in office situations.
9. Demonstrate skill at solving unstructured office-related problems.



## Certificate of Accomplishment in Entrepreneurship

**Total units for the Certificate of Accomplishment: 6 units**

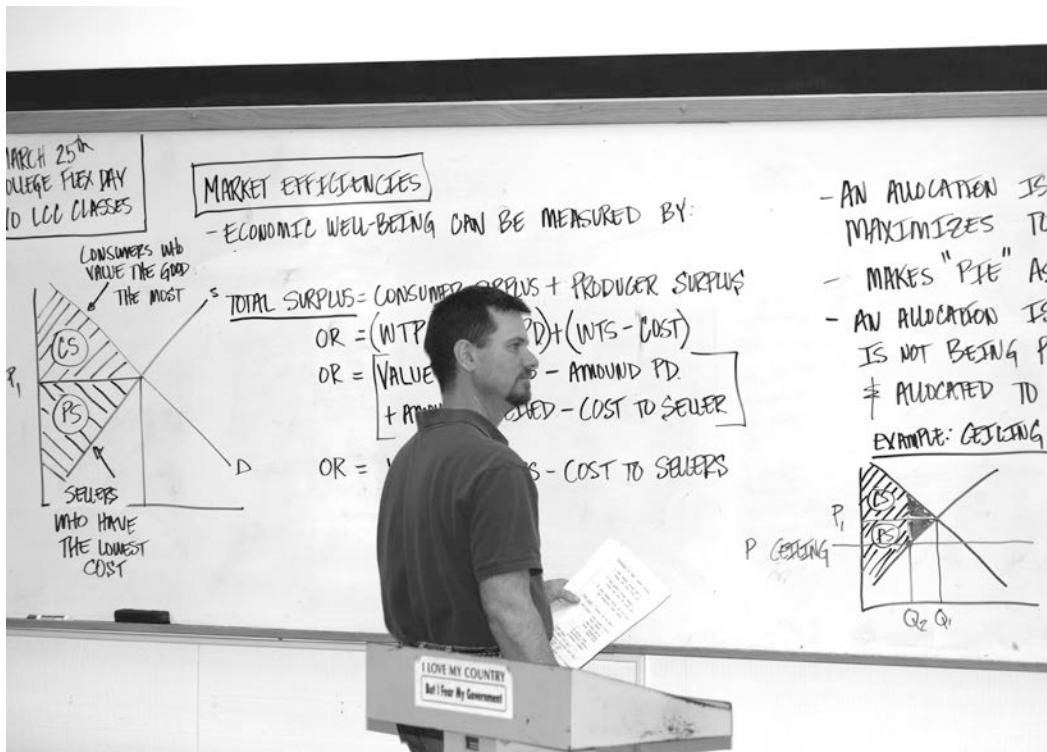
**Required Core Courses:**

Course No	Course Title	Units	BUS 77	Financing the Small Business Venture	1.0
BUS 75	Planning and Launching a New Business Venture	1.0	BUS 78	The Customer Service Advantage	1.0
BUS 76	Marketing the Small Business Venture	1.0	BUS 79	Computer Information Systems for Small Business Ventures	2.0

### ----- Program Student Learning Outcomes

Upon completion of the **Certificate of Accomplishment in Entrepreneurship**, the student will be able to:

1. Demonstrate an ability to test the feasibility of an entrepreneurial idea.
2. Develop a basic marketing plan in good form.
3. Describe common approaches in achieving customer service excellence.
4. Identify and describe particular service organizations' customer service effectiveness.
5. Demonstrate an ability to identify target markets.
6. Develop a basic marketing plan in good form.
7. Describe typical information system technologies used by small business owners.
8. Demonstrate an ability to use common software applications to meet basic small business needs.
9. Develop and present a well written business plan.
10. Utilize common financial tools as a basis for decision making.
11. Demonstrate an understanding of the budgeting process.
12. Use basic design principles and industry standard software to express an individual visual idea effectively to a second party.



# Child Development

## DEGREES

- Associate in Science in Early Childhood Education for Transfer
- Associate in Arts Child Development

## CERTIFICATE OF ACHIEVEMENT

Child Development

## CERTIFICATE OF ACCOMPLISHMENT

Child Development Associate Teacher

The Associate in Science Degree in Early Childhood Education for Transfer is designed to provide the lower division major courses to transfer to a California State University and earn a Bachelor's degree in Child Development or Early Childhood Education.

Child Development is a vital component to our local, state and national system of care and education for young children and offers many exciting career opportunities. The program is designed to prepare students to qualify for a variety of permits issued by Teacher Credentialing, State of California. These permits include an associate teacher, teacher, master teacher, and site supervisor permit. Receiving an A.A. in Child Development also meets the requirement to teach in a National Head Start Program.

As a Child Development major you will:

- Study effective principle and practices of child development, in order to provide quality care and education to children 0-5.
- Develop a disposition for and strategies to communicate effectively with children, parents, peers and the community.
- Identify the theoretical base for child development and the different curriculum structures to form your own philosophy of how to best meet the whole child needs of children.
- Identify a wide range of career opportunities and gear your course of study to that career.

## Career Options

- |                   |                       |
|-------------------|-----------------------|
| Assistant Teacher | Parent Educator       |
| Associate Teacher | Family Service Worker |
| Teacher           | Home Visitor          |
| Master Teacher    | Classroom Aide        |
| Site Supervisor   |                       |

## Program Highlights

- Two specialty areas for a master teacher
- Courses in early literacy
- Courses in violence prevention
- Variety of courses in creative arts
- Correspondence courses in the core curriculum

Associate Degree and Certificate of Achievement in Child Development can be completed within two (2) years.

*Internships in Child Development may be available for students interested in Work Experience opportunities.*

Some positions however require a four-year degree for which LCC's program is a good base for transfer.

### Note to Transfer Students:

The benefit for students completing the AS-T degree is that the California State University (CSU) system is required to grant admission with junior status to any community college student who meets all of the requirements. "CSU is required to grant priority admission for a student with this associate degree to his or her local CSU campus and to a program or major that is similar to this major, as determined by the CSU campus to which the student is admitted."



Associate Degree for Transfer™

## Associate in Science Degree in Early Childhood Education for Transfer

**Total units for the Associated in Science Degree with a minimum grade point average of 2.0: 60 units**

**Required Core Courses: 25 Units**

Course No	Course Title	Units	CD 25	Teaching in a Diverse Society	3.0
CD 11	Observation and Assessment	3.0	CD/PSY 31	Child Development: Conception Through Adolescence	3.0
CD 12	Child, Family and Community	3.0			
CD 16	Introduction to Curriculum	3.0			
CD 19	Children's Nutrition, Health and Safety	3.0			
CD 20	Principles and Practices of Teaching Young Children	3.0			
CD 24	Practicum	4.0			

### Completion of either the CSU General Education or IGETC Option

Remaining Units to Total 60 Units may be selected from electives. Courses must be numbered 1 – 49.

## Program Student Learning Outcomes

Upon completion of the **Associate in Science Degree in Early Childhood Education for Transfer**, students will be able to:

1. Integrate understanding of the needs, the characteristics and multiple influences on development of children birth to age eight as related to high quality care and education of young children.
2. Design, implement and evaluate environments and activities that support positive, developmental play and learning outcomes for all young children.
3. Apply effective guidance and interaction strategies that support all children's social learning, identity, and self-confidence.
4. Develop strategies that promote partnerships between programs, teachers, families and their communities.
5. Demonstrate ethical standards and professional behaviors that deepen understanding, knowledge and commitment to the EC/CD profession.

**Associate in Arts Degree Child Development**

**Total Units for the Associate in Arts Degree: 60 Units**

**Required Core Courses: 35 Units**

Course No	Course Title	Units
CD 11	Observation and Assessment	3.0
CD 12	Child, Family and Community	3.0
CD 16	Introduction to Curriculum	3.0
CD 19	Children's Nutrition, Health and Safety	3.0
CD 20	Principles and Practices of Teaching Young Children	3.0
CD 23	Adult Supervision in the Child Care Setting	3.0
CD 24	Practicum	4.0
CD 25	Teaching in a Diverse Society	3.0
CD/PSY 31	Child Development: Conception Through Adolescence	3.0
CD 50	ECE Child Health and Safety	1.0

**Master Teacher**

Course No	Course Title	Units
CD 17	Children's Literature	3.0
CD 30	Early Steps to Reading Success	3.0

**Required Electives:** The student must complete 3 units from the following courses:

Course No	Course Title	Units
CD 15	Pre-School Administration	3.0
CD 17	Children's Literature	3.0
CD 22	The Infant Toddler	3.0
CD 26	Administration II	3.0
CD 27	Children and Special Needs	3.0
CD 28	Child Guidance	3.0
CD 30	Early Steps to Reading Success	3.0
CD 49	Child Development Work Experience	1.0-8.0

**Students must complete six units from either the Site**

**Supervisor or Master Teacher paths:**

**Site Supervisor**

Course No	Course Title	Units
CD 15	Pre-School Administration	3.0
CD 26	Administration II	3.0

**Electives: 4 Units** - The student may select from any courses numbered 1-99 to satisfy this requirement.

**General Education Requirements: 18 Units**

**Certificate of Achievement Child Development**

**Total Units for the Certificate of Achievement: 26 Units**

**Required Core Courses: 26 Units**

Course No	Course Title	Units
CD 11	Observation and Assessment	3.0
CD 12	Child, Family and Community	3.0
CD 16	Introduction to Curriculum	3.0
CD 19	Children's Nutrition, Health, and Safety	3.0
CD 20	Principles and Practices of Teaching Young Children	3.0
CD 24	Practicum	4.0
CD 25	Teaching in a Diverse Society	3.0
CD/PSY 31	Child Development: Conception Through Adolescence	3.0
CD 50	ECE Child Health and Safety	1.0

**Program Student Learning Outcomes**

Upon completion of the **Associate in Arts Degree** or the **Certificate of Achievement in Child Development**, the student will be able to:

1. Analyze the influence of culture, family, society, and environment on an individual's development.
2. Design, implement and evaluate environments and activities that support positive, developmental play and learning outcomes for all young children.
3. Apply effective guidance and interaction strategies that support all children's social learning, identity, and self-confidence.

**Certificate of Accomplishment Child Development Associate Teacher**

**Total Units for the Certificate of Accomplishment: 14 Units**

**Required Core Courses: 11 Units**

Course No	Course Title	Units
CD 12	Child, Family and Community	3.0
CD 16	Introduction to Curriculum	3.0
CD 24	Practicum	4.0
CD 50	ECE Child Health and Safety	1.0

**And one of the following courses:**

CD 11	Observation and Assessment	3.0
CD 22	The Infant Toddler	3.0
CD/PSY 31	Child Development: Conception Through Adolescence	3.0

**Program Student Learning Outcomes**

Upon completion of the **Certificate of Accomplishment in Child Development Associate Teacher**, the student will be able to:

1. Integrate understanding of the needs, characteristics and multiple influences on the development of children.
2. Evaluate environments and design, implement, and evaluate activities that support positive, developmental play and learning outcomes for all children.
3. Apply effective guidance and interaction strategies that support all children's learning, identity and self-confidence.
4. Develop strategies that promote partnerships with parents.
5. Demonstrate ethical standards and professional behaviors that deepen understanding, knowledge and commitment to the EC/CD profession.

# Digital Graphic Design

## DEGREE

Associate in Science in Digital Graphic Design

## CERTIFICATE OF ACHIEVEMENT

Digital Graphic Design

## CERTIFICATE OF ACCOMPLISHMENT

Digital Graphic Fast Track I

Digital Graphic Fast Track II

Digital Graphic Design Entrepreneurship

The Digital Graphic Design program offered at Lassen Community College allows students in rural Northeastern California an opportunity to pursue an education in the global industry of Graphic Design. By offering introductory and intermediate courses, students will find a variety of interests within the expanding field. Students completing the Digital Graphic Design program at Lassen Community College will host the necessary skills for an entry-level position; exhibit freelance experience, and develop the technical/design skills necessary to further their career in the universal field of Graphic Design.

As a Graphic Design major, you will:

- Develop the knowledge of basic design principals and how to build client relationships while managing a crew of designers through a task/project from start to finish.
- Assemble both a tradition and digital portfolio to exhibit your Digital Graphic Design conceptual work to potential employers/clients.
- Become proficient with industry standard software and Mac computers

## Career Options

Computer Graphics Technician  
 Print Production Artist  
 Layout Artist  
 Designer  
 Creative Director  
 Freelance Designer  
 Photographer  
 Gallery Director  
 Exhibition Designer  
 Illustrator  
 Typographer/Lettering Designer  
 Animator  
 Web Designer

## Program Highlights

- State-of-the Art Mac and photography Labs.
- Courses taught in graphics studio settings.
- Hands on learning of various industry-standard Adobe software programs.
- Traditional to Digital methods instructed.
- Career and business component.
- Portfolio building opportunity.
- Small class sizes offer individualized learning from highly qualified instructors.
- On-site graphic procurement opportunities.
- Work experience positions are available for students to broaden their skills.

Associate Degree and Certificate of Achievement in Digital Graphic Design can be completed within two (2) years.

### Note to Transfer Students:

If you are interested in transferring to a four-year college or university to pursue a bachelor's degree in this major, it is critical that you meet with a counselor to select and plan the courses for your major. Schools vary widely in terms of the required preparation. The courses that Lassen Community College requires for an associate degree in this major may be different from the requirements needed for the bachelor's degree.

## Associate in Science in Digital Graphic Design

**Total Units for the Associate Science Degree: 60 Units**

**Required Core Courses: 42 Units**

**Complete the following 36 units:**

Course No	Course Title	Units			
ART 1A	Two-Dimensional Design	3.0	ART 60A	Production Graphics	3.0
ART 2	Drawing	3.0	ART 60B	Advanced Production Graphics	2.0
ART 12	Gallery Operation and Exhibition Design	3.0	ART 64	Digital Illustration	3.0
ART 13	Lettering Design/Typography	3.0	<b>Select two or more (for a total of 6 units)</b>		
ART 16	Digital Layout	3.0	ART 1B	Three-Dimensional Design	3.0
ART 19A	Beginning Digital Photography	2.0	ART 3	Beginning Life Drawing	3.0
ART 23	Beginning Printmaking	3.0	ART 4A	Beginning Photography	3.0
ART 25	Computer Graphics	3.0	ART 18	Advanced Life Drawing	1.0
ART 28	Introduction to Web Page Design	3.0	ART 19B	Intermediate Digital Photography	1.0
ART 52	Marketing Yourself as an Artist/Designer	2.0	ART 19C	Advanced Digital Photography	1.0
			ART 19D	Portfolio Digital Photography	1.0
			ART 49	Art Work Experience	1.0
			<b>General Education Requirements: 18 Units</b>		

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## Certificate of Achievement in Digital Graphic Design

**Total Units for Certificate of Achievement: 44 Units**

**Required Core Courses: 44**

Course No	Course Title	Units			
ART 1A	Two-Dimensional Design	3.0	ART 25	Computer Graphics	3.0
ART 2	Drawing	3.0	ART 28	Introduction to Web Page Design	3.0
ART 4A	Beginning Photography	3.0	ART 49	Art Work Experience	2.0
ART 8	Art Appreciation	3.0	ART 52	Marketing Yourself as an	2.0
ART 12	Gallery Operation and Exhibition	3.0		Artist/Designer	
	Design		ART 60A	Production Graphics	3.0
ART 13	Lettering Design/Typography	3.0	ART 60B	Advanced Production Graphics	2.0
ART 16	Digital Layout	3.0	ART 64	Digital Illustration	3.0
ART 19A	Beginning Digital Photography	2.0			
ART 23	Beginning Printmaking	3.0			

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### **Program Student Learning Outcomes**

Upon completion of the **Associate in Science in Digital Graphic Design** or the **Certificate of Achievement in Digital Graphic Design**, the student will be able to:

1. Demonstrate knowledge of the current, cultural, historical principles and theories of design, utilize the six-step process of designing and write/present a creative brief to visually solve a problem and complete a graphics task/project within a set deadline.
2. Exhibit technical skill competency while working with industry standard software to solve visual problems for entry-level employment or a career within the Digital Graphic Design/Commercial Art/Visual Communication fields.
3. Assemble several types of portfolios to present to prospective employers and or clients with examples of work spanning the field of Graphic Design both on a traditional and digital level.
4. Develop working client relationships on a professional level by exhibiting leadership skills and utilizing a team of designers to manage graphics projects from start to finish.

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## Certificate of Accomplishment in Digital Graphic Design Fast Track I

**Total Units for Certificate of Achievement: 16 Units**

**Required Core Courses: 16**

Course No	Course Title	Units			
ART 1A	Two-Dimensional Design	3.0	ART 52	Marketing Yourself as an	2.0
ART 28	Introduction to Web Page Design	3.0		Artist/Designer	
ART 49	Art Work Experience	2.0	ART 60A	Production Graphics	3.0
			ART 64	Digital Illustration	3.0

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### **Program Student Learning Outcomes**

Upon completion of the **Certificate of Accomplishment in Digital Graphic Design Fast Track I**, the student will be able to:

1. Development of graphic design technology skills needed to begin an entry level career within the field.
2. Development of conceptual design related to the effectiveness of graphic design within the industry.

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## Certificate of Accomplishment in Digital Graphic Design Fast Track II

**Total Units for Certificate of Achievement: 16 Units**

**Required Core Courses: 16**

Course No	Course Title	Units			
ART 13	Lettering Design-Typography	3.0	ART 25	Computer Graphics	3.0
ART 16	Digital Layout—Designing for	3.0	ART 49	Art Work Experience	3.0
	Publications		Art 60B	Advanced Production Graphics	2.0
ART 19A	Beginning Digital Photography	2.0			

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### **Program Student Learning Outcomes**

Upon completion of the **Certificate of Accomplishment in Digital Graphic Design Fast Track II**, the student will be able to:

1. Development of graphic design technology skills needed to begin an entry level career within the field.
2. Development of conceptual design related to the effectiveness of graphic design within the industry.

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## Certificate of Accomplishment Digital Graphic Design Entrepreneurship

**Total units for the Certificate of Accomplishment: 8 units**

**Required Core Courses: 8**

Course No	Course Title	Units			
ART 49	Art Work Experience	1.0	BUS 77	Financing the Small Business	1.0
ART 52	Marketing Yourself as an	2.0		Venture	
	Artist/Designer		BUS 78	The Customer Advantage	1.0
			BUS 79	Computer Information Systems for	2.0
				Small Business Ventures	



## Program Student Learning Outcomes

Upon completion of the **Digital Graphic Design Entrepreneurship Certificate of Accomplishment**, the student will be able to:

1. Acquire the basic steps and skills necessary to plan, launch, and amplify your own business from finances/accounting to legal requirements.
2. Demonstrate a professional level of customer/client and business relations.
3. Develop a physical/digital portfolio and documents for client preview and business marketing.
4. Apply technical skills learned through the use of various computer information systems.



# English

## DEGREE

Associate in Arts in English for Transfer

The Associate in Arts Degree in English for Transfer is designed to provide students with a strong foundation for the study of literature and composition in order to transfer to a California State University. It is an excellent starting point for students interested in pursuing a baccalaureate degree in English. The core course work is designed to provide undergraduate preparation analyzing written works, recognizing crucial elements of poetry, fiction and drama, and utilizing primary and secondary sources to effectively support a premise.

As an English major, you will:

- Be exposed to the field of English through courses that are academically rigorous and content appropriate.
- Learn the skills necessary to gather, interpret, and analyze quantitative and qualitative data.

### Career Options

Poet  
Writer  
Lawyer  
Teacher  
Journalist  
Any career in which writing is important

Associate Degree in English for transfer can be completed within two (2) years.

### Career Preparation

The Associates in Arts Degree in English for Transfer prepares the student for transfer to a four-year college or university.

### Program Highlights

Core curriculum in English for transfer to a California State University  
Small class size  
Individualized tutoring

### Note to Transfer Students:

The benefit for students completing the AA-T degree is that the California State University (CSU) system is required to grant admission with junior status to any community college student who meets all of the requirements. "CSU is required to grant priority admission for a student with this associate degree to his or her local CSU campus and to a program or major that is similar to this major, as determined by the CSU campus to which the student is admitted."



Associate Degree  
for Transfer™

## Associate in Arts Degree in English for Transfer

**Total Units for the Associate in Arts Degree with a minimum grade point average 2.0: 60 Units**

**Required Core Courses: 18-19 Units**

Course No	Course Title	Units
<b>Option 1 - 6 units (Select 2)</b>		
ENGL 9	Critical Thinking and Composition	3.0
ENGL 2	Introduction to Literary Types	3.0
<b>OR Option 2- 4 units (Select 1)</b>		
ENGL 7	Argumentative Writing and Critical Thinking Through Literature	4.0
<b>List A – Minimum 6 units (Select 2)</b>		
ENGL 3	British Literature I	3.0
ENGL 4	British Literature II	3.0
ENGL 5	Survey of World Literature II	3.0
ENGL 12	Survey of American Literature II	3.0

**For Core Option 1** - Minimum of 3 units from List B (not already taken)

**For Core Option 2** – Minimum of 6 units from List B (not already taken)

### List B

ENGL 3	British Literature I	3.0
ENGL 4	British Literature II	3.0
ENGL 5	Survey of World Literature II	3.0
ENGL 12	Survey of American Literature II	3.0
ENGL 22	Creative Writing	3.0

### List C – Minimum 3 units (not already taken)

ENGL 1	College Composition	3.0
ENGL 3	British Literature I	3.0
ENGL 4	British Literature II	3.0
ENGL 5	Survey of World Literature II	3.0
ENGL 12	Survey of American Literature II	3.0
ENGL 22	Creative Writing	3.0

### Completion of either the CSU General Education or IGETC Option

Remaining Units to Total 60 Units may be selected from electives. Courses must be numbered 1 – 49.

## Program Student Learning Outcomes

Upon completion of the **Associate in Arts Degree in English for Transfer** student will be able to:

1. Demonstrate analytical and critical thinking skills through the production of written and oral critical responses to texts
2. Given an assignment to read a literary work, the student will identify and analyze crucial elements of fiction, poetry and drama
3. Demonstrate the ability to find, evaluate, and interpret primary and secondary sources, utilize summary, paraphrase and direct quotes to support a premise, and apply guidelines for MLA documentation to appropriately document information within written essays.

# Fire Technology

## DEGREE

Associate in Science in Fire Technology

## CERTIFICATE OF ACHIEVEMENT

Fire Technology

The Associate in Science Degree in Fire Technology is designed to provide students with updated skills and knowledge necessary to successfully compete for fire service positions. The curriculum serves as an in-service program as well as pre-employment program for students seeking employment or advancement in the profession of urban firefighting and wildland fire suppression.

As a fire technology major, you will:

- Study a broad overview of fire technology including: fire behavior, fire prevention, fire protection equipment and systems.
- Study the organizational structures and management techniques used in wildland fire suppression.
- Study the tactics used in urban firefighting.

## Career Options

Firefighter  
Inspector  
Investigator  
Supervisor  
Manager

Some positions however require a four-year degree for which

LCC's program is a good base for transfer.

## CERTIFICATE OF ACCOMPLISHMENT

Basic Fire Fighter

## Program Highlights

\* Up-to-date technical information

Associate Degree and Certificate of Achievement in Fire Technology can be completed within two (2) years.

*Internships in Fire Technology may be available for students interested in Work Experience opportunities.*

## Associate in Science Degree in Fire Technology

**Total Units for the Associate in Science Degree: 60 Units**

**Required Core Courses: 18 Units**

Course No	Course Title	Units
FS 3	Fundamentals of Fire Prevention	3.0
FS 4	Fire Protection Equipment and Systems	3.0
FS 5	Fire Orientation and Organization	3.0
FS 6	Building Construction for Fire Protection	3.0
FS 13	Fire Behavior and Combustion	3.0
FS 14	Principles of Fire Safety and Survival	3.0
<b>Required Elective: 12 Units:</b> select from the following listing:		
EMT 60	Emergency Medical Technician-1 (Basic)	6.5
FS 8	Wildland Fire Suppression	2.0
FS 20	First Aid/CPR for Public Safety Employees	0.5
FS 21	First Responder – Medical	2.5
FS 23	Ignitions Operations	1.0
FS 26	Basic Air Operations (S-270)	1.0
FS 49	Fire Technology Work Experience	1.0-8.0
FS 51	Introduction to Fire Technology Careers	1.0
FS 52	Incident Command System (I-200/300)	2.0
FS 55	Fire Investigation	3.0
FS 56	Helicopter Crewmember (S-271)	2.0
FS 57	Auto Extrication	0.5
FS 60	Wildland Firefighter (CDF Basic 67)	3.0
FS 60A	Basic Fire Crew Firefighter	3.0
FS 61	Basic Firefighter Training (Basic 32)	2.0
FS 62	Fire Instructor 1B	2.5
FS 62A	Fire Instructor 1C	2.5
FS 63	Fire Instructor 1A	2.5
FS 66	Fire Prevention 1	2.5
FS 69	Fire Management 1	2.0

FS 70	Dozer Boss (S-232)	1.0
FS 70A	Single Resource Boss Academy	2.5
FS 70B	Engine Boss (Single Resource)	1.0
FS 72	First Responder – Hazardous Materials	1.0
FS 72A	First Responder – Hazardous Materials Refresher	0.5
FS 73A	Incident Business Management (S260)	1.0
FS 73B	Applied Incident Business Management (S261)	1.0
FS 74	Fire in the Interface (S-215)	1.0
FS 75	Fire Behavior (S290)	2.0
FS 76	Firefighter Type 1 (Squad Boss S-131)	0.5
FS 77	Human Factors on the Fireline (L-180)	0.5
FS 78	Followership to Leadership (L-280)	1.0
FS 79A	Ground Support Unit Leaders (S-355)	2.0
FS 82	Fire Command 1A	2.0
FS 83	Fire Command 1B	2.0
FS 84	Lessons Learned (Fatalities Fire Case Studies)	1.0
FS 85	Understanding Maps, Compass And GPS	1.0
FS 86	Emergency Vehicle Operation	0.5
FS 87	Expanded Dispatch Recorder (D-110)	1.0
FS 88	Initial Attack Incident Commander (S-200)	1.0
FS 89	Wildland Fire Chainsaws (S-212)	1.5
FS 90	Portable Pumps and Water Use (S-211)	1.0
FS 98.18	Annual Fireline Safety Refresher Training	0.5
FS 98.20	Annual Hired-Equipment Refresher Training	0.5
FS 98.21	Volunteer Firefighter Academy	2.5

**Electives: 12 Units** (The student may select any courses numbered 1-99 to satisfy this requirement.)

**General Education Requirements: 18 Units**

**Certificate of Achievement Fire Technology**

**Total units for the Certificate of Achievement: 30 Units**

**Required Core Courses: 18 Units**

Course No	Course Title	Units			
FS 3	Fundamentals of Fire Prevention	3.0	FS 69	Fire Management 1	2.0
FS 4	Fire Protection Equipment and Systems	3.0	FS 70	Dozer Boss (S-232)	1.0
FS 5	Fire Orientation and Organization	3.0	FS 70A	Single Resource Boss Academy	2.5
FS 6	Building Construction for Fire Protection	3.0	FS 70B	Engine Boss (Single Resource)	1.0
FS 13	Fire Behavior and Combustion	3.0	FS 72	First Responder-Hazardous Materials	1.0
FS 14	Principles of Fire Safety and Survival	3.0	FS 72A	First Responder-Hazardous Materials Refresher	0.5

**Required Elective: 12 Units** (Select from the following)

Course No	Course Title	Units			
BUS 27	Business Communications	3.0	FS 73A	Incident Business Management (S-260)	1.0
EMT 60	Emergency Medical Technician-1 (Basic)	6.5	FS 73B	Incident Business Management (S-261)	1.0
FS 8	Wildland Fire Suppression	2.0	FS 74	Fire in the Interface (S-215)	1.0
FS 20	First Aid/CPR for Public Safety Employees	0.5	FS 75	Fire Behavior (S-290)	2.0
FS 21	First Responder – Medical	2.5	FS 76	Firefighter Type 1 (Squad Boss S-131)	0.5
FS 23	Ignitions Operations	1.0	FS 77	Human Factors on the Fireline (L-180)	0.5
FS 26	Basic Air Operations (S-270)	1.0	FS 78	Followership to Leadership (L-280)	1.0
FS 49	Fire Technology Work Experience	1.0-8.0	FS 79A	Ground Support Unit Leaders (S-355)	2.0
FS 51	Introduction to Fire Technology Careers	1.0	FS 82	Fire Command 1A	2.0
FS 52	Incident Command System (I-200/300)	2.0	FS 83	Fire Command 1B	2.0
FS 55	Fire Investigation	3.0	FS 84	Lessons Learning (Fatalities Fire Case Studies)	1.0
FS 56	Helicopter Crewmember (S-271)	2.0	FS 85	Understanding Maps, Compass And GPS	1.0
FS 57	Auto Extrication	0.5	FS 86	Emergency Vehicle Operation	0.5
FS 60	Wildland Firefighter (CDF Basic 67)	3.0	FS 87	Expanded Dispatch Recorder (D-110)	1.0
FS 60A	Basic Fire Crew Firefighter	3.0	FS 88	Initial Attack Incident Commander	1.0
FS 61	Basic Firefighter Training (Basic 32)	2.0	FS 89	Wildland Fire Chainsaws (S-212)	1.5
FS 62	Fire Instructor 1B	2.5	FS 90	Portable Pumps and Water Use (S-211)	1.0
FS 62A	Fire Instructor 1C	2.5	FS 98.18	Annual Fireline Safety Refresher Training	0.5
FS 63	Fire Instructor 1A	2.5	FS 98.20	Annual Hired-Equipment Refresher Training	0.5
FS 66	Fire Prevention 1	2.5	FS 98.21	Volunteer Firefighter Academy	2.5

**Program Student Learning Outcomes**

Upon completion of the **Associate in Science Degree** or the **Certificate of Achievement in Fire Technology**, the student will be able to:

Safely perform basic firefighting skills as part of the Incident Command System in preparation for an entry-level position at most firefighting agencies.

**Certificate of Accomplishment Basic Fire Fighter**

**Total units for the Certificate: 9 – 10.5 Units**

**Required Core Courses: 9-10.5 Units**

Course No	Course Title	Units			
FS 8	Wildland Fire Suppression	2.0	FS 61	Basic Firefighter Training (Basic 32)	2.0
FS 20 <b>OR</b>	First Aid/CPR for Public Employees	0.5	FS 72	First Responder-Hazardous Materials	1.0
FS 21	First Responder – Medical	2.0	FS 89	Wildland Fire Chainsaws (S-212)	1.5
FS 51	Introduction to Fire Careers	1.0	FS 90	Portable Pumps and Water Use	1.0

**Program Student Learning Outcomes**

Upon successful completion of the **Certificate of Accomplishment Basic Fire Fighter**, the student will be able to:

1. Perform the basic duties of an entry level firefighter such as line construction, safe and proper use of fire line hand tools including chain saws, safe and proper use of pumps, first aid/CPR, recognizing and dealing with hazardous situations involving hazardous materials, ability to complete an application for employment, fire line safety, radio operation.
2. Understand and demonstrate the physical requirements to become a wildland firefighter.
3. Demonstrate basic knowledge of fire physics and behavior.



# General Education Transfer Curriculum

## CERTIFICATES OF ACHIEVEMENT

CSU General Education  
Intersegmental General Education Transfer Curriculum (IGETC)

The Certificates of Achievement are inclusive of requirements for CSU General Education Certification or IGETC Certification. These certifications may be requested by the student to be sent to UC or CSU campus of their choice.

### Note to Transfer Students:

If you are interested in transferring to a four-year college or university to pursue a bachelor's degree in this major, it is critical that you meet with an LCC counselor to select and plan the courses for your major. Schools vary widely in terms of the required preparation. The courses that LCC requires for an associate degree in this major may be different from the requirements needed for the bachelor's degree.

## California State University General Education Certificate of Achievement

CSU General Education Certification of Achievement requires a minimum of 39 units.  
Minimum GPA of **2.00** overall and Area A and B4 must be a "C" or better.

### AREA A - English Language and Critical Thinking

The student must take one course from each area:

1. Oral Communications: Speech 1
2. Written Communications: English 1
3. Critical Thinking: English 7, English 9, Philosophy 2

### AREA B - Scientific Inquiry and Quantitative Reasoning

The student must take one course from each area including one (L) Lab Science course:

#### 1. Physical Universe:

- Astronomy 1 (L),
- Chemistry 1A (L), 1B (L), 8 (L), 45 (L)
- Geography 1
- Geology 1 (L), 5 (L)
- Physical Science 1
- Physics 2A (L), 2B (L)

2. Life Forms:  
Agriculture 20  
Anthropology 1  
Biology 1 (L), 4 (L), 10 (L), 20 (L), 25 (L),  
26 (L), 32, 32L (L)
3. Laboratory Science (L):  
Any of the above (L) courses
4. Mathematics/Quantitative Reasoning:  
Math 1A, 1B, 1C, 7, 8, 11A, 11B, 40

### AREA C - Arts and Humanities

The student must take 3 of the following courses, limit 2 in one area.

#### 1. Arts (Art, Dance, Music, Theater):

- Art 1A, 1B, 2, 3, 4A, 6, 7, 8, 9, 10A, 30, 36A
- Film 1
- Music 6, 7, 12

2. Humanities (Literature, Philosophy, Foreign Languages):  
English 2, 3, 4, 5, 10, 12, 33  
History 14, 15  
Humanities 1, 2  
Philosophy 1, 10  
Spanish 1, 2

### AREA D - Social Sciences

The student must take 3 of the following courses in at least 2 disciplines.

1. Anthropology and Archeology, Anthropology 2, 3
2. Economics, Agriculture 2, Economics 10, 11
3. Ethnic Studies, Ethnic Studies 1
4. Gender Studies, Sociology 4
5. Geography, Geography 2
6. History  
History 14, 15, 16\*, 17\*

7. Interdisciplinary Social or Behavioral Science  
Child Development 31,  
Journalism 4,  
Psychology 18, 31
8. Political Science, Government, and Legal Institutions  
Administration of Justice 20,  
Political Science 1\*
9. Psychology  
Psychology 1, 2, 5, 6
10. Sociology and Criminology  
Sociology 1, 2

\* **CSU Graduation Requirement:** US History, Constitution, and American Ideals - Completion of one course in American History and one course in American Government is a requirement to graduate from any CSU campus. Students may select one combination from the following to fulfill this requirement; these courses may be double counted with Area D:

(1) History 16 and 17

(2) History 16 and Political Science 1

(3) History 17 and Political Science 1

### AREA E - Lifelong Understanding and Self-Development

The student must take one course or 3 units from the following courses:

- Child Development 31
- Counseling & Guidance 1
- Health 2, 25
- Human Services 30

- Physical Education PE 15
- Psychology 1, 2, 18, 31, 33
- Sociology 3



## **Intersegmental General Education Transfer Curriculum (IGETC) Certification**

IGETC General Education Certificate of Achievement requires 37 Units. Minimum GPA of **2.00** overall and a grade of "C" or better in each course. Completion of Areas 1, 2, 3, 4, 5; Demonstrate Foreign Language Proficiency. \*\* Indicates that transfer credit may be limited by either UC or CSU or both. Please consult with a Counselor.

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### **AREA 1: English Communication 9 units** (One from each group)

English 1

English 7 or 9

Speech 1

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### **AREA 2: Mathematical Concepts and Quantitative Reasoning 3 units**

Math 1A, 1B, 1C, 8, 40

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### **AREA 3: Arts and Humanities 9 units** - At least 3 courses, with at least one from Arts and one from Humanities.

#### **Arts:**

Art 6, 7, 8, 9,

Film 1

Music 6, 7, 12

#### **Humanities:**

English 2, 3, 4, 5, 10, 12, 33

Humanities 1, 2,

Philosophy 1, 10

Spanish 2

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### **AREA 4: Social and Behavioral Sciences 9 units** -At least three courses from at least 2 disciplines.

Agriculture 2

Anthropology 2, 3

Child Development 31

Economics 10, 11

Ethnic Studies 1

Geography 2,

History 14, 15, \*16, \*17

Journalism 4

Political Science \*1

Psychology 1, 2, 5, 6, 18, 31

Sociology 1, 2, 4

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### **AREA 5: Physical and Biological Sciences 7 – 9 units.** At least 2 courses, one Physical Science and one Biological Science; at least one must include a laboratory (indicated by "L" in parentheses).

#### **Physical Sciences:**

Astronomy 1 (L)

Chemistry 1A (L), 1B (L), 8 (L), \*\*45 (L)

Geography 1

Geology 1 (L), 5 (L)

\*\*Physical Science 1

Physics 2A (L), 2B (L)

#### **Biological Sciences:**

Agriculture 20

Anthropology 1

Biology 1 (L), 4 (L), 10 (L), 20 (L), 25 (L),

26 (L), 32, 32L (L)

**Language Other Than English (UC Requirement Only)** Complete 2 years of the same Foreign Language of high school level work with a grade of "C" or better or earn a score of 3 or higher on the Foreign Language Advanced Placement Test, or 550 on the College Board Achievement Test in Foreign Language or complete 4 units from the courses below.

**The following course at this institution fulfills the requirement (1 course, 4 semester units):** Spanish 1

**\* CSU Graduation Requirement Only - U.S. History, Constitution and American Ideals, 6 semester units**

**Courses may not be applied to Area 4 if used to meet Constitution requirements for CSU**

Group 1 Political Science 1

Group 2 History 16, 17

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## **Program Student Learning Outcomes**

### **California State University General Education Certificate of Achievement**

### **Intersegmental General Education Transfer Certificate of Achievement (IGETC)**

Upon completion of this certification the student will be able to:

1. Understand and apply methods of inquiry for a variety of disciplines including the scientific method for scientific inquiry and appropriate methods for social and behavior science inquiries.
2. Explain and analyze relationships between science and other human activities.
3. Apply knowledge of the ways people act and have acted in response to their societies to express an appreciation for how diverse societies and social subgroups operate to understand social dynamics within historical and contemporary communities.
4. Understand ways in which people throughout the ages and in Western and non-Western cultures have responded to themselves and the world around them in artistic and cultural creation; apply this knowledge to make value judgments on cultural activities and artistic expressions and demonstrate an understanding of the interrelationship between the creative arts, the humanities and self.
5. Engage in verbal communication by participating in discussions, debates, and oral presentations utilizing proper rhetorical perspective, reasoning and advocacy, organization, accuracy, and the discovery, critical evaluation and reporting of information.
6. Compose effective written communications and essays with correct grammar, spelling, punctuation and appropriate language, style and format utilizing academically accepted means of researching, evaluating and documenting sources within written works.
7. Analyze, evaluate and explain theories, concepts and skills within varied disciplines using inductive and deductive processes and quantitative reasoning and application.
8. Demonstrate appreciation of themselves as living organism through their choices for physical health, activities, stress management, relationships to the social and physical environment, and responsible decision-making.

# Geology

## DEGREES

### Associate in Science in Geology for Transfer

The Associates in Science Degree in Geology is designed to provide students with a strong foundation for the study of physical processes in and on the Earth in preparation for transfer to a California State University. It is an excellent starting point for students interested in pursuing a baccalaureate degree in Geology. The geology major is designed to provide undergraduate preparation leading to careers in resource exploration, hydrogeology, or environmental geology.

As a Geology major, you will:

- Study a comprehensive introduction to the field of geology through courses that are academically rigorous and content appropriate.
- Develop a solid foundation in the basic elements of scientific inquiry.
- Identify an area of specialization in geology.

### Career Options

Environmental Scientist  
Geological Engineer  
Geological Technician  
Geologist  
Hydrologist  
Mineralogists  
Mining Engineer  
Metallurgist  
Natural Science Manger  
Petroleum Technician  
Teacher

### Career Preparation

The Associates in Arts Degree in Geology for Transfer prepares the student for transfer to a four-year college or university.

### Program Highlights

Core curriculum in Geology for transfer to a California State University  
Small class size  
Individualized tutoring  
Laboratory and Field study opportunities  
Associate Degree in Geology can be completed within two (2) years.

### Note to Transfer Students:

The benefit for students completing the AS-T degree is that the California State University (CSU) system is required to grant admission with junior status to any community college student who meets all of the requirements. "CSU is required to grant priority admission for a student with this associate degree to his or her local CSU campus and to a program or major that is similar to this major, as determined by the CSU campus to which the student is admitted."



Associate Degree  
for Transfer™

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## Associate in Science Degree in Geology for Transfer

**Total Units for the Associate in Science Degree with a minimum grade point average of 2.0: 60 Units**

**Required Core Courses: 28 Units**

Course No	Course Title	Units			
CHEM 1A	General Chemistry I	5.0	GEOL 5	Historical Geology and Paleontology	4.0
CHEM 1B	General Chemistry II	5.0	MATH 1A	Analytic Geometry and Calculus I	5.0
GEOL 1	Physical Geology	4.0	MATH 1B	Analytic Geometry and Calculus II	5.0

### Completion of either the CSU General Education or IGETC Option

Remaining Units to Total 60 Units may be selected from electives. Courses must be numbered 1 – 49.

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### Program Student Learning Outcomes

Upon completion of the **Associate in Science Degree in Geology for Transfer** student will be able to:

1. Demonstrate an understanding of geologic time scale and timing of major events in Earth history.
2. Explain internal and external dynamic processes occurring within the earth system and analyze the effects on these processes on physical constitution of the earth.
3. Apply proper lab techniques and knowledge of theoretical concepts in geology to acquire and interpret geologic data and formulate new questions in a laboratory setting.

# Gunsmithing

## DEGREES

Associate in Science in Firearms Repair  
Associate in Science in General Gunsmithing

## CERTIFICATES OF ACHIEVEMENTS

Firearms Repair  
General Gunsmithing

## CERTIFICATES OF ACCOMPLISHMENTS

Gunsmith Machinist and Metal Finishing  
Long Gun  
Pistolsmith  
Riflesmith

The Gunsmithing Program offers two degrees, two Certificates of Achievement, and four Certificates of Accomplishment, that each provide the student with a very specific set of skills in areas such as general gunsmithing, firearms repair, firearms customization and in the recognized specialty areas. Depending on the selected course of study, a student is provided with the skills to acquire an entry-level position in the industry. This program is also designed to assist those already employed in the industry and those in the community to improve or expand their skills. The curriculum is updated with the assistance of a business and industry advisory committee. In accordance with the provisions of the state penal code section numbers: (12021, 12021.5, 12050, and 12054), prospective students must file an approved affidavit with the Lassen Community College District as a prerequisite to program enrollment.

As a Gunsmithing major, you will:

- Study course work in design, function and repair, firearm laws and regulations, machining, metallurgy, stock fabrication and welding.
- Develop skills on how to install and replace components, clean, maintain, and service handguns, rifles and shotguns.
- Identify a particular type of firearm you are most interested in and build a course of study to better qualify you for a profession.

## Career Options

Gunsmith Firearms Repair  
Firearms Salesman  
Law Enforcement Armorer  
Department of Corrections  
Armorer

Owner/Manager of a Gunsmith  
Shop or Sporting Goods Store  
Specialist in Custom Built Firearms  
Factory Service Representative

Associate Degree and Certificate of Achievement in Gunsmithing can be completed within two (2) years.

Some positions require a four-year degree for which Lassen Community College's program is a good base for transfer.

## Associate in Science Degree: Firearms Repair

**Total Units for the Associate in Science Degree: 60 units.**

**Required Core Courses: 42 Units**

Course No	Course Title	Units	GSS 62.04	Correcting Oversize Firing Pin Holes	1.0
GSS 50.01	Recoil Pad and Sling Swivel Installation	1.0	GSS 63.02	Ejectors	1.0
GSS 50.03	Open and Optical Sight Installation	1.0	GSS 63.03	Double Gun Locks	1.0
GSS 51.01	Stock Inletting	1.0	GSS 64.01	Composition Stock Fitting, Bedding and Finishing	1.0
GSS 51.05	Glass Bedding for Strength and Accuracy	1.0	GSS 66.02	Revolver Barrel Fitting and Ranging	1.0
GSS 51.06	Wood Stock Finishing	1.0	GSS 67.01	Blowback Principle	1.0
GSS 52.06	Gunsmith Machining 6	1.0	GSS 68.01	DFR Locked Breech Single Action Auto Pistols	1.0
GSS 54.05	Hardening and Tempering of Carbon Steels	1.0	GSS 68.02	DFR Locked Breech Double Action Auto Pistols	1.0
GSS 56.03	Bolt Action Barrel Fitting	1.0	GSS 68.03	DFR Blowback Auto Pistols	1.0
GSS 57.01	Bolt Action Breeching and Headspace	1.0	GSS 69.01	DFR Auto Rifles	1.0
GSS 57.03	Action and Bolt Modifications	1.0	GSS 69.02	DFR Pump Rifles	1.0
GSS 59.02	Metal Preparation for Refinishing And Caustic Bluing	1.0	GSS 69.03	DFR Lever Action Rifles	1.0
GSS 60.01	DFR Recoil Operated Auto Shotguns	1.0	GSS 70.01	DFR Triggers 1	1.0
GSS 60.02	DFR Gas Operated Auto Shotguns	1.0	GSS 71.01	DFR .22 Autos	1.0
GSS 60.04	DFR Pump Shotguns	1.0	GSS 71.02	DFR Bolt Action .22's	1.0
GSS 61.01	DFR Single Action Revolvers	1.0	GSS 71.03	DFR Pump and Lever Action .22's	1.0
GSS 61.02	DFR Smith and Wesson Revolvers	1.0	GSS 71.04	DFR Marlin Model 39	1.0
GSS 61.03	DFR Colt & Ruger Double Action Revolvers	1.0	GSS 75.02	Firearm Laws and Regulations	1.0
GSS 62.03	Misfire Correction	1.0	WT 31	GTAW for Gunsmiths	3.0
			WT 32	Advanced GTAW for Gunsmiths	3.0

**General Education Requirements: 18 Units**

**Certificate of Achievement: Firearms Repair**

**Total units for the Certificate of Achievement: 42 Units**

Course No	Course Title	Units			
GSS 50.01	Recoil Pad and Sling Swivel Installation	1.0	GSS 62.04	Correcting Oversize Firing Pin Holes	1.0
			GSS 63.02	Ejectors	1.0
GSS 50.03	Open and Optical Sight Installation	1.0	GSS 63.03	Double Gun Locks	1.0
GSS 51.01	Stock Inletting	1.0	GSS 64.01	Composition Stock Fitting, Bedding and Finishing	1.0
GSS 51.05	Glass Bedding for Strength and Accuracy	1.0	GSS 66.02	Revolver Barrel Fitting and Ranging	1.0
GSS 51.06	Wood Stock Finishing	1.0	GSS 67.01	Blowback Principle	1.0
GSS 52.06	Gunsmith Machining 6	1.0	GSS 68.01	DFR Locked Breech Single Action Auto Pistols	1.0
GSS 54.05	Hardening and Tempering of Carbon Steels	1.0	GSS 68.02	DFR Locked Breech Double Action Auto Pistols	1.0
GSS 56.03	Bolt Action Barrel Fitting	1.0	GSS 68.03	DFR Blowback Auto Pistols	1.0
GSS 57.01	Bolt Action Breeching and Headspace	1.0	GSS 69.01	DFR Auto Rifles	1.0
GSS 57.03	Action and Bolt Modifications	1.0	GSS 69.02	DFR Pump Rifles	1.0
GSS 59.02	Metal Preparation for Refinishing And Caustic Bluing	1.0	GSS 69.03	DFR Lever Action Rifles	1.0
GSS 60.01	DFR Recoil Operated Auto Shotguns	1.0	GSS 70.01	DFR Triggers 1	1.0
GSS 60.02	DFR Gas Operated Auto Shotguns	1.0	GSS 71.01	DFR .22 Autos	1.0
GSS 60.04	DFR Pump Shotguns	1.0	GSS 71.02	DFR Bolt Action .22's	1.0
GSS 61.01	DFR Single Action Revolvers	1.0	GSS 71.03	DFR Pump and Lever Action .22's	1.0
GSS 61.02	DFR Smith and Wesson Revolvers	1.0	GSS 71.04	DFR Marlin Model 39	1.0
GSS 61.03	DFR Colt & Ruger Double Action Revolvers	1.0	GSS 75.02	Firearm Laws and Regulations	1.0
			WT 31	GTAW for Gunsmiths	3.0
GSS 62.03	Misfire Correction	1.0	WT 32	Advanced GTAW for Gunsmiths	3.0

**Program Student Learning Outcomes**

Upon completion of the **Associate in Science Degree** or the **Certificate of Achievement in Firearms Repair**, the student will be able to:

1. Diagnose a specific firearm malfunction, execute the appropriate corrective step and verify the problem has been resolved.
2. Perform firearms repair and maintenance procedures on the large variety of firearms common to a retail gunsmithing operation.

**Associate in Science Degree in General Gunsmithing**

**Total Units for the Associate in Science Degree: 60 Units**

**Required Core Courses: 36 Units**

Course No	Course Title	Units			
GSS 50.01	Recoil Pad and Sling Swivel Installation	1.0	GSS 59.02	Metal Preparation for Refinishing and Caustic Bluing	1.0
GSS 50.03	Open and Optical Sight Installation	1.0	GSS 60.04	DFR Pump Shotguns	1.0
GSS 51.05	Glass Bedding for Strength and Accuracy	1.0	GSS 61.01	DFR Single Action Revolvers	1.0
GSS 52.01	Gunsmith Machining 1	2.0	GSS 62.03	Misfire Correction	1.0
GSS 52.02	Gunsmith Machining 2	2.0	GSS 62.04	Correcting Oversize Firing Pin Holes	1.0
GSS 52.03	Gunsmith Machining 3	2.0	GSS 63.05	Double Guns, Hinge Pins and Headspace	1.0
GSS 52.04	Gunsmith Machining 4	1.0	GSS 64.01	Composition Stock Fitting, Bedding, And Finishing	1.0
GSS 52.05	Gunsmith Machining 5	1.0	GSS 67.01	Blowback Principle	1.0
GSS 52.06	Gunsmith Machining 6	1.0	GSS 69.03	DFR Lever Action Rifles	1.0
GSS 54.05	Hardening and Tempering of Carbon Steels	1.0	GSS 70.01	DFR Triggers 1	1.0
GSS 55.04	Stock Refinish and Repair	1.0	GSS 71.01	DFR .22 Auto's	1.0
GSS 56.01	Headspace	1.0	GSS 73.02	Spring Making	1.0
GSS 56.03	Bolt Action Barrel Fitting	1.0	WT 31	GTAW for Gunsmiths	3.0
GSS 57.03	Action and Bolt Modifications	1.0	WT 32	Advanced GTAW for Gunsmiths	3.0
GSS 58.02	Pressure Bedding and Pillar Bedding	1.0			

**Electives: 6 Units** (The student may select any courses numbered 1 – 99 to satisfy this requirement.)

**General Education Requirements: 18 Units**

**Certificate of Achievement: General Gunsmithing**

**Total units for the Certificate of Achievement: 42 units**

**Required Core: 36 Units**

Course No	Course Title	Units			
GSS 50.01	Recoil Pad and Sling Swivel Installation	1.0	GSS 59.02	Metal Preparation for Refinishing and Caustic Bluing	1.0
GSS 50.03	Open and Optical Sight Installation	1.0	GSS 60.04	DFR Pump Shotguns	1.0
GSS 51.05	Glass Bedding for Strength and Accuracy	1.0	GSS 61.01	DFR Single Action Revolvers	1.0
GSS 52.01	Gunsmith Machining 1	2.0	GSS 62.03	Misfire Correction	1.0
GSS 52.02	Gunsmith Machining 2	2.0	GSS 62.04	Correcting Oversize Firing Pin Holes	1.0
GSS 52.03	Gunsmith Machining 3	2.0	GSS 63.05	Double Guns, Hinge Pins and Headspace	1.0
GSS 52.04	Gunsmith Machining 4	1.0	GSS 64.01	Composition Stock Fitting, Bedding, And Finishing	1.0
GSS 52.05	Gunsmith Machining 5	1.0	GSS 67.01	Blowback Principle	1.0
GSS 52.06	Gunsmith Machining 6	1.0	GSS 69.03	DFR Lever Action Rifles	1.0
GSS 54.05	Hardening and Tempering of Carbon Steels	1.0	GSS 70.01	DFR Triggers 1	1.0
GSS 55.04	Stock Refinish and Repair	1.0	GSS 71.01	DFR .22 Auto's	1.0
GSS 56.01	Headspace	1.0	GSS 73.02	Spring Making	1.0
GSS 56.03	Bolt Action Barrel Fitting	1.0	WT 31	GTAW for Gunsmiths	3.0
GSS 57.03	Action and Bolt Modifications	1.0	WT 32	Advanced GTAW for Gunsmiths	3.0
GSS 58.02	Pressure Bedding and Pillar Bedding	1.0	<b>Electives: 6 Units</b> (The student may select any courses numbered 1-99 to satisfy this requirement.)		

**Program Student Learning Outcomes**

Upon completion of the **Associate in Science Degree** or the **Certificate of Achievement in General Gunsmithing**, the student will be able to:

1. Perform appropriate custom alterations and modifications as related to a specific custom field in Gunsmithing.
2. Diagnose a specific firearm malfunction, execute the appropriate corrective step and verify the problem has been resolved.

**Certificate of Accomplishment: Gunsmith Machinist and Metal Finishing**

**Total Units for the Certificate of Accomplishment Gunsmith Machinist and Metal Finishing: 16 Units**

Course No	Course Title	Units			
GSS 50.01	Recoil Pad and Sling Swivel Installation	1.0	GSS 52.06	Gunsmith Machining 6	1.0
GSS 50.03	Open and Optical Sight Installation	1.0	GSS 54.05	Hardening and Tempering of Carbon Steels	1.0
GSS 52.01	Gunsmith Machining 1	2.0	GSS 59.02	Metal Preparation for Refinishing and Caustic Bluing	1.0
GSS 52.02	Gunsmith Machining 2	2.0	GSS 59.03	Parkerizing	1.0
GSS 52.03	Gunsmith Machining 3	2.0	GSS 59.04	Color Case Hardening	1.0
GSS 52.04	Gunsmith Machining 4	1.0	GSS 59.09	Alternative Metal Finishing	1.0
GSS 52.05	Gunsmith Machining 5	1.0			

**Program Student Learning Outcomes**

Upon completion of the **Certificate of Accomplishment - Gunsmith Machinist and Metal Finishing**, the student will be able to:

1. Design and machine firearm parts and fixtures using the appropriate tools and techniques.
2. Apply the appropriate polishing technique and finish to metal firearms parts.

**Certificate of Accomplishment: Long Gun**

**Total Units for the Certificate of Accomplishment Long Gun: 16 Units**

Course No	Course Title	Units			
GSS 51.06	Wood Stock Finishing	1.0	GSS 60.04		
GSS 52.06	Gunsmith Machining 6	1.0	GSS 66.01	Non-Bolt Action Rifle Barrel Fitting	1.0
GSS 54.05	Hardening and Tempering of Carbon Steels	1.0	GSS 69.01	DFR Auto Rifles	1.0
GSS 60.01	DFR Recoil Operated Auto Shotguns	1.0	GSS 69.02	DFR Pump Rifles	1.0
GSS 60.02	DFR Gas Operated Auto Shotguns	1.0	GSS 69.03	DFR Lever Action Rifles	1.0
	DFR Pump Shotguns	1.0	WT 31	GTAW for Gunsmiths	3.0
			WT 32	Advanced GTAW for Gunsmiths	3.0

**Program Student Learning Outcomes**

Upon completion of the **Certificate of Accomplishment - Long Gun**, the student will be able to:

1. Diagnose specific long gun malfunction, execute the appropriate corrective step and verify the problem has been resolved.



**Certificate of Accomplishment: Pistolsmith**

**Total Units for the Certificate of Accomplishment Pistolsmith: 16 Units**

Course No	Course Title	Units			
GSS 52.06	Gunsmith Machining 6	1.0	GSS 67.01	Blowback Principle	1.0
GSS 54.05	Hardening and Tempering of Carbon Steels	1.0	GSS 68.01	DFR Locked Breech Single Action Auto Pistols	1.0
GSS 61.01	DFR Single Action Revolvers	1.0	GSS 68.02	DFR Locked Breech Double Action Auto Pistols	1.0
GSS 61.02	DFR Smith and Wesson Revolvers	1.0	GSS 68.03	DFR Blowback Auto Pistols	1.0
GSS 61.03	DFR Colt & Ruger Double Action Revolvers	1.0	WT 31	GTAW for Gunsmiths	3.0
GSS 66.02	Revolvers	1.0	WT 32	Advanced GTAW for Gunsmiths	3.0
	Revolver Barrel Fitting and Ranging	1.0			

**Program Student Learning Outcomes**

Upon completion of the **Certificate of Accomplishment Pistolsmith**, the student will be able to:

1. Diagnose specific handgun malfunction, execute the appropriate corrective step and verify the problem has been resolved.

**Certificate of Accomplishment: Riflesmith**

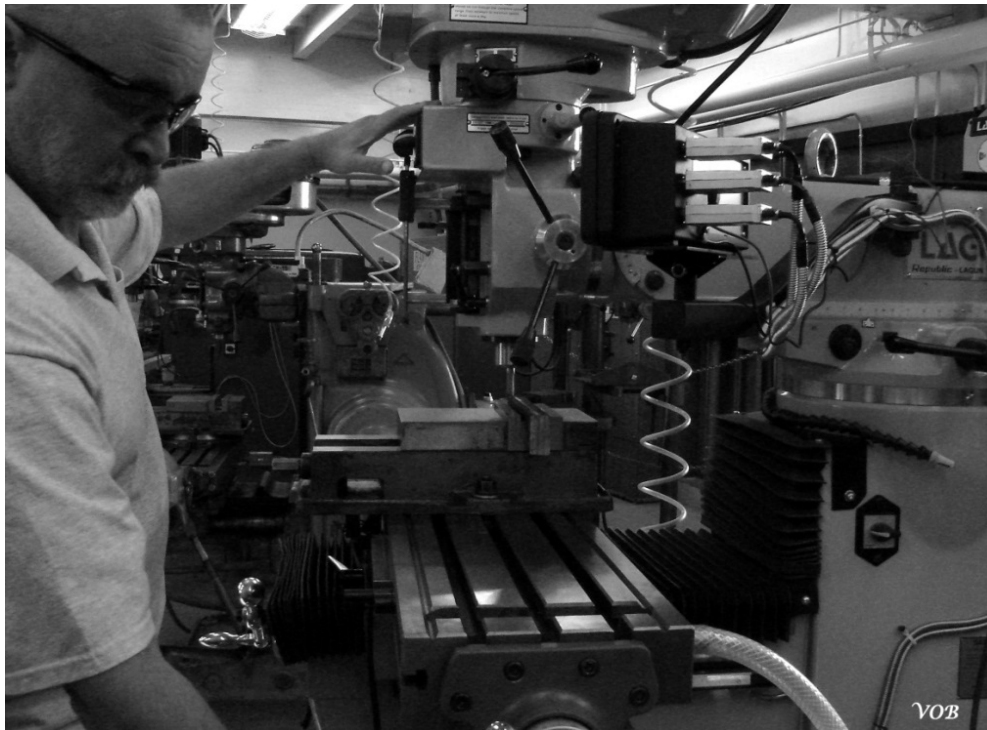
**Total Units for the Certificate of Accomplishment Riflesmith: 16 Units**

Course No	Course Title	Units			
GSS 51.01	Stock Inletting	1.0	GSS 57.02	Action Blueprinting	1.0
GSS 51.05	Glass Bedding for Strength and Accuracy	1.0	GSS 57.03	Action and Bolt Modifications	1.0
GSS 51.06	Wood Stock Finishing	1.0	GSS 57.06	Trueing Exterior of Action	1.0
GSS 55.04	Stock Refinish and Repair	1.0	GSS 57.08	Bottom Metal Modifications	1.0
GSS 56.01	Headspace	1.0	GSS 57.15	Bolt Action Rifle Feeding	1.0
GSS 56.03	Bolt Action Barrel Fitting	1.0	GSS 58.02	Pressures and Pillar Bedding	1.0
GSS 56.04	Barrel Contouring	1.0	GSS 62.04	Correcting Oversize Firing Pin Holes	1.0
GSS 57.01	Bolt Action Breeching and Headspace	1.0	GSS 64.01	Composition Stock Fitting, Bedding and Finishing	1.0

**Program Student Learning Outcomes**

Upon completion of the **Certificate of Accomplishment Riflesmith**, the student will be able to:

1. Perform appropriate custom rifle alterations and modifications.
2. Diagnose specific rifle malfunction, execute the appropriate corrective step and verify the problem has been resolved.



# Health Occupations

## Certificate of Accomplishment

Administrative Medical Assisting  
Clinical Medical Assisting

Lassen

College offers coursework that leads to eligibility for external certifications in CPR, First Aid, and EMT-I in addition to certificates in Clinical and Administrative Medical Assisting.

Certificate of Accomplishment in Administrative Medical Assisting

The program of courses for this certificate is designed to prepare a student to perform office-related duties including scheduling and billing as a medical office assistant.

Certificate of Accomplishment in Clinical Medical Assisting

The program of courses for the clinical certificate offers information, skill development, and practice for student seeking employment as a medical assistant who makes direct patient contact and assists nurses and doctors with clinical procedures.

### Career Options

Medical Assistant  
Clinic Assistant  
Medical Office Assistant  
EMT - I  
EMT - II  
EMT – Paramedic

## Red Cross Certification

Cardiopulmonary Resuscitation (CPR)  
Standard First Aid

### Program Highlights

- Hands-on-training for entry-level employment.
- Continuing education units (CEUs) available.

Internships in health occupations are available for students interested in Work Experience opportunities.

## Certificate of Accomplishment in Administrative Medical Assisting

**Total Units for the Certificate of Accomplishment in Administrative Medical Assisting: 8 Units**

Course No	Course Title	Units	Course No	Course Title	Units
HO 3	Medical Terminology	3.0	HO 71	Introduction to Administrative Medical Assisting II	2.0
HO 70	Introduction to Administrative Medical Assisting I	2.0	HO 49	Health Occupation Work Experience	1.0

### Program Student Learning Outcomes

Upon completion of the **Certificate of Accomplishment in Administrative Medical Assisting** the student will be able to:

1. Demonstrate the ability to perform typical duties in a medical setting, including financial transactions and insurance billing.
2. Interpret medical records, articles, and texts for diagnosis, treatment, laboratory, and x-ray information.

## Certificate of Accomplishment in Clinical Medical Assisting

**Total Units for the Certificate of Accomplishment in Clinical Medical Assisting: 14-14.5 Units**

Course No	Course Title	Units	Course No	Course Title	Units
HO 3	Medical Terminology	3.0	HO 84	Introduction to Patient Care	2.0
HO 54	Structure and Function of the Human Body	3.0	HO 85	Diagnostic Testing	2.0
			HO 88	Phlebotomy	3.5
HO 82	Principles of Infection Prevention and Sterile Technique	1.5	HO 120	Cardiopulmonary Resuscitation (CPR) OR Current Certification	0.5

### Program Student Learning Outcomes

Upon completion of the **Certificate of Accomplishment in Clinical Medical Assisting** the student will be able to:

1. Demonstrate the ability to utilize knowledge of the structure and function of the eleven major body systems and entry-level clinical medical assisting skills to provide appropriate patient care and education in a clinical setting.
2. Demonstrate the utilization of appropriate aseptic technique under a variety of clinical conditions.
3. Demonstrate the ability to perform typical entry-level clinical medical assisting diagnostic laboratory procedures safely in accordance with Standard Precaution and OSHA regulations.
4. Interpret medical records, articles, and texts for diagnosis, treatment, laboratory, and x-ray information.
5. Perform venous and capillary punctures on adults, children, and infants consistent with Department of Health Services, APIC and OSHA standards.
6. Demonstrate effective communication with family, patients, physicians and other clinical site staff regarding the client's health status at a level consistent with an entry-level clinical medical assistant. Maintain strict adherence to all HIPPA, Privacy and Compliance regulations for all patients' related communications.

# History

## DEGREES

### Associate in Arts in History for Transfer

The Associates in Arts Degree in History is designed to provide students with a strong foundation for the study of the historical past in order to transfer to a California State University. It is an excellent starting point for students interested in pursuing a baccalaureate degree in history. The core course work is designed to provide undergraduate preparation leading to knowledgeable individuals who recognized that society cannot deal with the present or prepare to cope with the future without an understanding of the past. Students will examine contemporary problems and issues from a historical perspective.

As a history major, you will:

- Study a comprehensive introduction to the field of history through courses that are academically rigorous and content appropriate.
- Acquire the knowledge and skills to apply the “historical perspective” to your own life and to the social environment of which you are a part.
- Analyze the news of the day as well as changes in the global economy and other major social institutions within a historical context.
- Identify an area of specialization in history.

### Career Options

Government Service  
 Historian  
 Lawyer  
 Military Officer  
 Museum Curator  
 Teacher

### Career Preparation

The Associates in Arts Degree in History for Transfer prepares the student for transfer to a California State University.

### Program Highlights

Lassen Community College offers its History by way of traditional classroom study, online, or by correspondence delivery.

Associate Degree in History can be completed within two (2) years

### Note to Transfer Students:

The benefit for students completing the AA-T degree is that the California State University (CSU) system is required to grant admission with junior status to any community college student who meets all of the requirements. “CSU is required to grant priority admission for a student with this associate degree to his or her local CSU campus and to a program or major that is similar to this major, as determined by the CSU campus to which the student is admitted.”



Associate Degree  
for Transfer™

## Associate in Arts Degree in History for Transfer

**Total Units for the Associate in Arts Degree with a minimum grade point average of 2.0: 60 Units**

**Required Core Courses: 18-19 Units**

**Complete the following 6 Units:**

Course No	Course Title	Units
HIST 16	U.S. History	3.0
HIST 17	Post-Civil War – U.S. History	3.0
<b>Complete 6 Units from the following:</b>		
HIST 14	World History-Prehistoric to 1500	3.0
HIST 15	World History-1500 to Present	3.0
HUM 1	Western Civilization-Prehistoric to 1600	3.0
HUM 2	Western Civilization-1600 to Present	3.0

**Select 6-7 additional Units from the following:** (not already taken)

HIST 14	World History-Prehistoric to 1500	3.0
HIST 15	World History-1500 to Present	3.0
HUM 1	Western Civilization-Prehistoric to 1600	3.0
HUM 2	Western Civilization-1600 to Present	3.0
SPAN 1	First Course in Spanish	4.0

**Completion of either the CSU General Education or IGETC Option**

Remaining Units to Total 60 Units may be selected from electives. Courses must be numbered 1 – 49.

### Program Student Learning Outcomes

Upon completion of the **Associate in Arts Degree in History for Transfer** student will be able to:

1. Explain four transitions that the United States has undergone from colonization to the present. Examples may include but are not limited to: the colonial period to the revolutionary period; launching a new government to the growth of a union; the civil war to reconstruction; the U.S. industrial revolution to the U.S. as a world power; WWI and WWII; or WWII to the age of affluence.
2. Analyze the American political system including the reasons behind the separation of power and the constant struggle between the executive, legislative, and judicial branches of government.
3. Given a current historical topic, demonstrate the ability to conduct research using traditional and technological skills to write an organized, factually correct, well-documented paper.
4. Develop an appropriate and factually correct theme on a specific topic comparing and contrasting works, events or values of two eras or cultures of Western Civilization.
5. Given an era in time, explain the differences between the ideas and cultural values of Western and non-Western societies.

# Human Services

## DEGREES

Associate in Science in Drug and Alcohol Paraprofessional  
Associate in Science in Human Services

The Human Services Program is designed to prepare students for employment in a variety of areas in social work. The program offers lower division career technical education curriculum designed to meet the needs of career-oriented students. The courses, certificates and degrees offer preparation for first-time employment, re-entry, or career advancement.

As a Human Services major, you will:

- Study an introductory social work curriculum.
- Develop the habit of intellectual inquiry and effective communication.
- Identify theoretical foundations and intervention strategies; client population and cultural diversity; research and evaluation methods; and skills development / field experience.

## Career Options

Clinical Social Worker Assistant  
Drug and Alcohol Counselor  
Halfway House  
Group Home Worker  
Mental Health Worker  
School Counselor Aid  
Social Work Assistant

Some positions however require a four-year degree for which LCC's program is a good base for transfer.

## CERTIFICATES OF ACHIEVEMENT

Drug and Alcohol Paraprofessional  
Human Services

## Program Highlights

- Students graduate prepared to achieve their personal, civic, educational, and career goals.
- Students work effectively in collaborative settings.
- The job outlook is excellent. Welfare reform has led to an increase of hiring in this field. The aging population also increases the need of social services employees.

Associate Degree and Certificate of Achievement in Human Services can be completed within two (2) years.

Internships in Human Services may be available for students interested in Work Experience opportunities.

### Associate in Science Degree Drug and Alcohol Paraprofessional

**Total Units for the Associate in Science Degree: 60 Units**

**Required Core Courses: 33 Units**

Course No	Course Title	Units
HUS 10	Introduction to Human Services	3.0
HUS 22	Substance Abuse Treatment	3.0
HUS 24	Group Facilitator Process/Human Services	3.0
HUS 30	Pharmacology of Drugs of Abuse	3.0
HUS 31	Crisis Intervention Strategies	3.0
HUS 35	Ethical Issues/Human Services	3.0
HUS 37	Case Management and Client Records Documentation	3.0
HUS 40	Field Instruction Seminar I	1.0
HUS 41	Field Instruction Seminar II	1.0
HUS 49	Human Services Work Experience	4.0
PSY 1	Introduction to Psychology	3.0
SOC 1	Introduction to Sociology	3.0

**Required Electives: 3 Units**

HUS	Course Title	Units
HUS 23	Special Population Considerations	0.5-1.0
HUS 25	Family Treatment Approaches	2.0
HUS 27	Gender Difference and Addictive Behavior	1.0
HUS 28	Human Services and Mal-Adaptive Behavior	3.0
HUS 32	Understanding Addiction	3.0
HUS 48	Human Services Selected Topics	0.5-4.5
HUS 49	Human Services Work Experience	4.0
HUS 61	Principles/Practices Residential Care Paraprofessional Counselors	3.0

**Electives: 6 Units** (The student may select any courses numbered 1 – 99 to satisfy this requirement.)

**General Education Requirements: 18 Units**

### Certificate of Achievement Drug and Alcohol Paraprofessional

**Total Units for the Certificate of Achievement: 36 Units**

**Required Course Courses: 33 Units**

Course No	Course Title	Units
HUS 10	Introduction to Human Services	3.0
HUS 22	Substance Abuse Treatment	3.0
HUS 24	Group Facilitator Process/Human Services	3.0
HUS 30	Pharmacology of Drugs of Abuse	3.0
HUS 31	Crisis Intervention Strategies	3.0
HUS 35	Ethical Issues/Human Services	3.0
HUS 37	Case Management and Client Records Documentation	3.0
HUS 40	Field Instruction Seminar I	1.0
HUS 41	Field Instruction Seminar II	1.0
HUS 49	Human Services Work Experience	4.0

PSY 1	Introduction to Psychology	3.0
SOC 1	Introduction to Sociology	3.0

**Required Electives: 3 Units**

HUS	Course Title	Units
HUS 23	Special Population Consideration	0.5-1.0
HUS 25	Family Treatment Approaches	2.0
HUS 27	Gender Difference and Addictive Behavior	1.0
HUS 28	Human Services and Mal-Adaptive Behavior	3.0
HUS 32	Understanding Addiction	3.0
HUS 48	Human Services Selected Topics	0.5-4.5
HUS 49	Human Services Work Experience	4.0
HUS 61	Principles/Practice Residential Care Paraprofessional Counselors	3.0

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### Program Student Learning Outcomes

Upon the completion of the **Associate in Science Degree** or **Certificate of Achievement in Drug and Alcohol Paraprofessional**, the student will be able to:

1. Demonstrate an understanding of the functions of Alcohol and Other Drug treatment programs by applying theoretical foundations and intervention strategies from latest research protocols.
2. Be academically prepared to obtain an entry-level or mid-level position within the Drug and Alcohol treatment facility through course work and field placement skills Development.
3. Demonstrate competency at recognizing the potential for substance abuse problems and engaging clients around the issues in order to complete a thorough substance abuse assessment and treatment plan.

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### Associate in Science Degree Human Services

**Total Units for the Associate in Science Degree: 60 Units**

**Required Core Courses: 27 Units**

Course No	Course Title	Units	HUS 23	Special Population Consideration	0.5-1.0
HUS 10	Introduction to Human Services	3.0	HUS 25	Family Treatment Approaches	2.0
HUS 24	Group Facilitator Process/Human Services	3.0	HUS 27	Gender Difference and Addictive Behavior	1.0
HUS 31	Crisis Intervention Strategies	3.0	HUS 28	Human Services and Mal-Adaptive Behavior	3.0
HUS 35	Ethical Issues/Human Services	3.0			
HUS 37	Case Management and Client Records Documentation	3.0	HUS 30	Pharmacology of Drugs of Abuse	3.0
			HUS 32	Understanding Addiction	3.0
HUS 40	Field Instruction Seminar I	1.0	HUS 48	Human Services Selected Topics	0.5-4.5
HUS 41	Field Instruction Seminar II	1.0	HUS 49	Human Services Work Experience	4.0
HUS 49	Human Services Work Experience	4.0	HUS 61	Principles/Practice Residential Care Paraprofessional Counselors	3.0
PSY 1	Introduction to Psychology	3.0			
SOC 1	Introduction to Sociology	3.0			

**Required Electives: 9 Units**

Course No	Course Title	Units
HUS 22	Substance Abuse Treatment	3.0

**Electives: 6 Units** (The student may select any courses numbered 1 – 99 to satisfy this requirement.)

**General Education Requirements: 18 Units**

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### Certificate of Achievement Human Services

**Total Units for the Certificate of Achievement: 36 Units**

**Required Course Courses: 27 Units**

Course No	Course Title	Units	<b>Required Electives: 9 Units</b>		
Course No	Course Title	Units	Course No	Course Title	Units
HUS 10	Introduction to Human Services	3.0	HUS 22	Substance Abuse Treatment	3.0
HUS 24	Group Facilitator Process/Human Services	3.0	HUS 23	Special Population Consideration	0.5-1.0
HUS 31	Crisis Intervention Strategies	3.0	HUS 25	Family Treatment Approaches	2.0
HUS 35	Ethical Issue/Human Services	3.0	HUS 27	Gender Difference and Addictive Behavior	1.0
HUS 37	Case Management and Client Records Documentation	3.0	HUS 28	Human Services and Mal-Adaptive Behavior	3.0
HUS 40	Field Instruction Seminar I	1.0	HUS 30	Pharmacology of Drugs of Abuse	3.0
HUS 41	Field Instruction Seminar II	1.0	HUS 32	Understanding Addiction	3.0
HUS 49	Human Services Work Experience	4.0	HUS 48	Human Services Selected Topics	0.5-4.5
PSY 1	Introduction to Psychology	3.0	HUS 49	Human Services Work Experience	4.0
SOC 1	Introduction to Sociology	3.0	HUS 61	Principles/Practice Residential Care Paraprofessional Counselors	3.0

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### Program Student Learning Outcomes

Upon the completion of the **Associate in Science Degree** or **Certificate of Achievement in Human Services**, the student will be able to:

1. Demonstrate an understanding of the functions of Human Service agencies by applying theoretical foundations and intervention strategies and identifying client populations, concepts, and ethical principles.
2. Be academically prepared to obtain an entry-level or midlevel position within the Human Service Agency through course work and field placement skills development.
3. Identify and explain cultural customs, beliefs, traditions, and lifestyles and interpret how biases, assumptions and prejudices impact multicultural interactions.



# Humanities

## DEGREE

Associate in Arts Degree University Studies: Emphasis in Humanities

These courses emphasize the study of cultural, literary, humanistic activities and artistic expression of human beings. With careful planning, the Humanities emphasis will satisfy the lower division major courses to transfer to a university and earn a Bachelor's degree in the various fields of Humanities. Students must meet with a counselor to ensure completion of required coursework for chosen major and specific college/university.

Associate Degree in Humanities can be completed within two (2) years

Some positions, however, require a four-year degree for which LCC's program is a good base for transfer

### Note to Transfer Students:

If you are interested in transferring to a four-year college or university to pursue a bachelor's degree in this major, it is critical that you meet with a counselor to select and plan the courses for your major. Schools vary widely in terms of the required preparation. The courses that Lassen Community College requires for an associate degree in this major may be different from the requirements needed for the bachelor's degree.

## Associate in Arts Degree University Studies: Emphasis in Humanities

**Total Units for the Associate in Arts Degree: 60 Units**

**Required Core Courses: 18 Units**

**Select 18 units from the following:**

Course No	Course Title	Units			
ART 6	Survey of Art History: Prehistoric Through Renaissance	3.0	HIST 14	World History-Beginning to 1500	3.0
ART 7	Survey of Art History: Renaissance Through Contemporary	3.0	HIST 15	World History-1500 to Present	3.0
ART 8	Art Appreciation	3.0	HUM 1	Western Civilization-Prehistoric to 1600	3.0
ART 9	History of Asian Art	3.0	HUM 2	Western Civilization-1600 to Present	3.0
ENGL 2	Introduction to Literary Types	3.0	MUS 6	Music History from Antiquity to 1750	3.0
ENGL 3	British Literature I	3.0	MUS 7	Music History from 1750 to Modern Era	3.0
ENGL 4	British Literature II	3.0	MUS 12	Music Appreciation	3.0
ENGL 5	Survey of World Literature II	3.0	PHIL 1	Introduction to Philosophy	3.0
ENGL 7	Argumentative Writing and Critical Thinking Through Literature	3.0	PHIL 10	Comparative World Religions	3.0
ENGL 10	Shakespeare	3.0	SPAN 1	First Course in Spanish	4.0
ENGL 12	Survey of American Literature II	3.0	SPAN 2	Second Course in Spanish	4.0
ENGL 22	Creative Writing	3.0			
ENGL 33	Studies in Fiction	3.0			
FILM 1	History of the Cinema	3.0			

### Completion of either the CSU General Education or IGETC Option

Remaining Units to Total 60 Units may be selected from electives. Courses must be numbered 1 – 49.

## Program Student Learning Outcomes

Upon completion of the **Associate in Arts Degree University Studies: Emphasis in Humanities**, the student will be able to:

1. Demonstrate an understanding of cultural, literary, humanistic activities and artistic expression of human beings.
2. Identify, recognize, define and describe various important works, creators, schools, styles and events in art, literature, philosophy and history from a variety of cultures and relate how they are relevant to the present.

# Mathematics/Physical Science

## DEGREE

Associate in Science Degree University Studies:  
Emphasis in Mathematics/Physical Science

This degree is designed to prepare students for transfer to a California State University with partial fulfillment of the major core requirements for mathematics or physical science majors.

As a Mathematics major, you will:

- Study introductory level mathematics curriculum including: analytical geometry, calculus and statistics.
- Develop a solid foundation in mathematical concepts and computational skills.

### Career Options

Artificial Intelligence Researcher  
Cryptographer  
Engineer  
Insurance Actuary  
Mathematician  
Robotics Engineer  
Satellite Communications Specialist  
Teacher

Some positions, however, require a four-year degree for which Lassen Community College's program is a good base for transfer.

### Program Highlights

- Core curriculum in mathematics for transfer students
- Small class size
- Individualized tutoring
- Prerequisite courses for other majors.

Associate Degree in Mathematics/Physical Science can be completed within two (2) years.

### Note to Transfer Students:

If you are interested in transferring to a four-year college or university to pursue a bachelor's degree in this major, it is critical that you meet with a counselor to select and plan the courses for your major. Schools vary widely in terms of the required preparation. The courses that Lassen Community College requires for an associate degree in this major may be different from the requirements needed for the bachelor's degree.

## Associate in Science Degree University Studies: Emphasis in Mathematics/Physical Science

**Total Units for the Associate in Science Degree: 60 Units**

**Select a minimum of 18 units from the following courses in major core concentration preparation.**

**Required Core Courses: 18 Units**

Course No	Course Title	Units	MATH 1B	Analytic Geometry and Calculus II	5.0
ASTR 1	Introduction to Astronomy	4.0	MATH 40	Elementary Statistics	3.0
CHEM 1A	General Chemistry I	5.0	PHYS 2A	General Physics I	4.0
CHEM 1B	General Chemistry II	5.0	PHYS 2B	General Physics II	4.0
GEOG 1	Physical Geography	3.0	<b>Completion of either the CSU General Education or IGETC Option</b>		
GEOL 1	Physical Geology	4.0	Remaining Units to Total 60 Units may be selected from electives. Courses must be numbered 1 – 49.		
GEOL 5	Historical Geology and Paleontology	4.0			
MATH 1A	Analytic Geometry and Calculus I	5.0			

### Program Student Learning Outcomes

Upon completion of the **Associate in Science Degree University Studies: Emphasis in Mathematics/Physical Science**, the student will be able to:

1. Demonstrate, in a clear and concise manner, how to solve mathematical problems (including application problems) whether in the form of an organized written process on paper, a portfolio of work or orally with step-by-step directions.
2. Use their mathematical knowledge to formulate a hypothesis, gather data to support their hypothesis and justify the validity of the proposed hypothesis.
3. Use current technology, whether it is computer software, calculators or other technology to generate and verify solutions to mathematical problems.

# Natural Sciences

## DEGREE

Associate in Arts Degree University Studies:  
Emphasis in Natural Science

Associate in Arts Degree General Studies:  
Emphasis in Natural Science

The Natural Sciences emphasis is designed to provide lower division major courses to transfer to a university and pursue baccalaureate degrees in life science and physical science areas. Students must meet with a counselor to ensure completion required coursework for chosen major and specific college/university.

Associate Degree in Natural Science can be completed within two (2) years.

### Associate in Arts Degree University Studies: Emphasis in Natural Science

**Total Units for the Associate in Arts Degree: 60 Units**

**Required Core Courses: 18 Units**

**Select 18 units from the following:**

Course No	Course Title	Units	CHEM 1B	General Chemistry II	5.0
AGR 10	Introduction to Animal Science	3.0	CHEM 8	Introduction to Organic and Biochemistry	4.0
AGR 20	Introduction to Plant Science	4.0			
ANTH 1	Biological Anthropology	3.0	CHEM 45	Introduction to Chemistry	4.0
ASTR 1	Introduction to Astronomy	4.0	GEOG 1	Physical Geography	3.0
BIOL 1	Principles of Molecular and Cellular Biology	4.0	GEOL 1	Physical Geology	4.0
			GEOL 5	Historical Geology and Paleontology	4.0
BIOL 4	Principles of Evolutionary, Organismal and Ecological Biology	5.0	PHSC 1	General Physical Science	3.0
			PHYS 2A	General Physics I	4.0
BIOL 10	Natural History of Plants and Animals	4.0	PHYS 2B	General Physics II	4.0
BIOL 20	Microbiology	5.0			
BIOL 25	Human Anatomy and Physiology I	4.0			
BIOL 26	Human Anatomy and Physiology II	4.0			
BIOL 32	General Life Science	3.0			
BIOL 32L	General Life Science Lab	1.0			
CHEM 1A	General Chemistry I	5.0			

**Completion of either the CSU General Education or IGETC Option**

Remaining Units to Total 60 Units may be selected from electives. Courses must be numbered 1 – 49.

### Associate in Arts Degree General Studies: Emphasis in Natural Science

**Total Units for the Associate in Arts Degree: 60 Units**

**Required Core Courses: 18 Units**

**Select 18 units from the following:**

Course No	Course Title	Units	CHEM 1A	General Chemistry I	5.0
AGR 10	Introduction to Animal Science	3.0	CHEM 1B	General Chemistry II	5.0
AGR 20	Introduction to Plant Science	4.0	CHEM 8	Introduction to Organic and Biochemistry	4.0
ANTH 1	Biological Anthropology	3.0			
ASTR 1	Introduction to Astronomy	4.0	CHEM 45	Introduction to Chemistry	4.0
BIOL 1	Principles of Molecular and Cellular Biology	4.0	GEOG 1	Physical Geography	3.0
			GEOL 1	Physical Geology	4.0
BIOL 4	Principles of Evolutionary, Organismal and Ecological Biology	5.0	GEOL 5	Historical Geology and Paleontology	4.0
			PHSC 1	General Physical Science	3.0
BIOL 10	Natural History of Plants and Animals	4.0	PHYS 2A	General Physics I	4.0
BIOL 20	Microbiology	5.0	PHYS 2B	General Physics II	4.0
BIOL 25	Human Anatomy and Physiology I	4.0			
BIOL 26	Human Anatomy and Physiology II	4.0			
BIOL 32	General Life Science	3.0			
BIOL 32L	General Life Science Lab	1.0			

**Electives: 24** (no more than 6 units from any one discipline).  
The student may select from any courses numbered 1 – 99 to satisfy this requirement.

**General Education Requirements: 18 Units**

**Note:** This degree does not prepare a student to transfer to a University.

### Program Student Learning Outcomes

Upon completion of the **Associate in Arts Degree University Studies** or the **Associate in Arts Degree General Studies: Emphasis in Natural Science**, the student will be able to:

1. Demonstrate an understanding of the basic methodologies of science.
2. Examine the influence that the acquisition of scientific knowledge has on the development of the world's civilizations.
3. Demonstrate a basic understand of the language, laws, theories, and processes that are fundamental to anthropology, astronomy, biology, chemistry meteorology, geology, and/or physics, through the observation and analysis of real life examples.

# Nursing

## DEGREES

Associate in Science in Vocational Nursing

## Certificate of Achievement

Vocational Nursing

### ASSOCIATE IN SCIENCE DEGREE VOCATIONAL NURSING

The one-year Vocational Nursing Program will begin each new class in August and will be completed by the end of July. The Program is designed to provide the student with a strong academic foundation and clinical skill level necessary for entry level as a Licensed Vocational Nurse. The Program seeks to provide information and experiences for the student to be prepared to work as an integral member of the health care system. The Vocational Nursing Program offers both an Associate in Science Degree and a Certificate of Achievement in Vocational Nursing. Courses are offered in the traditional lecture/laboratory format. A minimum letter grade of "C" is required in each core course with a minimum overall grade point average of 2.00 to receive the Degree or Certificate.

As a Vocational Nursing major, you will:

- Study specific vocational nursing curriculum that prepares for a variety of career options.
- Develop skills that pertain to vocational nursing in the hospital, clinic and skilled nursing facility setting.
- Identify the areas of nursing that best suit the student.

#### Career Options

Work as LVN in:

Hospitals  
Prisons

Physician Offices  
Community Clinics  
Public Health

#### Program Highlights

- One year program reduces the time required to graduate
- Quality clinical sites

#### Note to Transfer Students:

If you are interested in transferring to a four-year college or university to pursue a bachelor's degree in this major, it is critical that you meet with a counselor to select and plan the courses for your major. Schools vary widely in terms of the required preparation. The courses that Lassen Community College requires for an associate degree in this major may be different from the requirements needed for the bachelor's degree.

### Associate in Science Degree in Vocational Nursing

#### Vocational Nursing Program

The Program is accredited by the California State Board of Vocational Nursing and Psychiatric Technicians. The individuals who successfully complete the Program are eligible to take the NCLEX-PM/VN examination for licensing as a Licensed Vocational Nurse in the State of California. A declaration of any record of convictions and fingerprinting is required to obtain a license. Persons with a conviction may be denied a license. Prior to registering for courses within the LVN Program, students must be accepted into the Program. The prerequisite requirements apply to both the Associate in Science Degree and the Certificate of Achievement. Students may contact the Director of Vocational Nursing for any questions, concerns, or additional information.

#### Prerequisite Requirements

1. Completion of all application materials
2. Graduation from High School or equivalency through GED or California Proficiency Examination
3. A current, valid CPR card
4. Completion of ENGL 105 with a grade of "C" or better or equivalent placement through the assessment process.
5. Eligibility for MATH 103 or equivalent placement through the assessment process.
6. BIOL 25 and BIOL 26
7. Completion of HO 80A or equivalent in last 5 years with grade "C" or better, or CNA certification in last 5 years.
8. Completion of the required prerequisite courses with a grade of "C" or better.

#### Required Prerequisite Course: 20 Units

Course No	Course Title	Units	HO 3	Medical Terminology	3.0
BIOL 25	Human Anatomy and Physiology I	4.0	PSY 1	Introduction to Psychology	3.0
BIOL 26	Human Anatomy and Physiology II	4.0	PSY 18	Human Development: A Life Span	3.0
HLTH 25	Understanding Nutrition	3.0			

### Associate in Science Degree in Vocational Nursing

Total Units for the Associate in Science Degree: 66 Units

#### Required Core Courses: 37 Units

Course No	Course Title	Units	VN 54	Clinical Lab II	6.0
VN 50	Pharmacology	3.0	VN 55	Adult Nursing Theory III	2.0
VN 51	Nursing Fundamentals	4.0	VN 56	Clinical Lab III	6.0
VN 52	Clinical Lab I	6.0	VN 57	Maternity Nursing	2.0
VN 53	Adult Nursing Theory II	6.0	VN 58	Pediatric Nursing	2.0

General Education Requirements: Area C, D1, D2

Consult with your Academic Counselor.

**Certificate of Achievement in Vocational Nursing**

**Total Units for Certificate of Achievement: 57 Units**

**Required Core Courses: 37 Units**

Course No	Course Title	Units	VN 54	Clinical Lab II	6.0
VN 50	Pharmacology	3.0	VN 55	Adult Nursing Theory III	2.0
VN 51	Nursing Fundamentals	4.0	VN 56	Clinical Lab III	6.0
VN 52	Clinical Lab I	6.0	VN 57	Maternity Nursing	2.0
VN 53	Adult Nursing Theory II	6.0	VN 58	Pediatric Nursing	2.0

**Program Student Learning Outcomes**

Upon completion of the **Associate in Science Degree** or the **Certificate of Achievement in Vocational Nursing**, the student will be able to:

1. Successfully pass the National Council Licensure Examination state board examination for licensure as a Vocational Nurse.
2. Work in a variety of health care settings performing safe and effective nursing care.





# Physical Education/Kinesiology

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## DEGREES

Associate in Arts in Kinesiology for Transfer  
Associate in Arts Degree University Studies:  
Emphasis in Physical Education

Associate in Arts Degree General Studies:  
Emphasis in Physical Education

The AA-T in Kinesiology is designed to provide students with a strong foundation for the study of the human body and body mechanics in preparation for transfer to a California State University. It is an excellent starting point for students interested in pursuing a baccalaureate degree in Kinesiology, Physical Education, and Sports Administration. The kinesiology major is designed to provide under graduate preparation leading to careers in physical fitness, physical therapy, sports medicine, coaching and education.

As a Kinesiology major, you will:

- Study a comprehensive introduction to the field of kinesiology through courses that are academically rigorous and content appropriate.
- Develop a solid foundation in the basic elements of scientific inquiry.
- Identify an area of specialization in kinesiology.

The University Studies and General Studies degrees with an emphasis in physical education provide an introduction to theories, principles, and practices utilized in sports, fitness, and education-related fields. Although the physical education emphasis prepares a student for further study of physical education, kinesiology, physiology of exercise, movement science or athletic training, the transfer of lower division major courses to a university for pursuit of a baccalaureate degree is depending on the transfer institution requirements. Students must meet with a counselor to ensure completion of required coursework for chosen major and specific college or university.

As a Physical Education major, you will:

- Study the history and theory of physical education and sport.
- Develop skills in areas related to fitness and individual and team sports.

## Career Options

Athletics Coach  
Physical Education Teacher  
Personal Fitness Trainer  
Physical Therapist  
Athletic Trainer  
Sports Official

\*Some positions however require a four-year degree for which LCC's program is a good base for transfer.

Associate Degree and Certificate of Achievement in Physical Education can be completed within two (2) years.

Internships in Physical Education may be available for students interested in Work Experience opportunities.

## Program Highlights

- The Associate in Arts in Kinesiology for Transfer degree includes the core curriculum for transfer to a California State University.
- Small class sizes.
- Individualized tutoring.
- Laboratory opportunities.
- Intercollegiate Athletics – Lassen College fields sports teams that compete throughout California. Men's sports are baseball, basketball, soccer and wrestling; women's sports are basketball, soccer, softball and volleyball.
- Fitness Courses – Many options are available to students wanting to adopt active lifestyles, manage weight, or are interested in practicing a new sport.
- Fitness Center and Yoga are some fitness favorites at LCC.

### Note to Transfer Students:

The benefit for students completing the AS-T degree is that the California State University (CSU) system is required to grant admission with junior status to any community college student who meets all of the requirements. "CSU is required to grant priority admission for a student with this associate degree to his or her local CSU campus and to a program or major that is similar to this major, as determined by the CSU campus to which the student is admitted."



Associate Degree  
for Transfer™

**Associate in Arts Degree in Kinesiology for Transfer**

**Total units for the Associate in Arts Degree: 60units**

**Required Core courses: 14 Units**

**Lower Division Major Preparation:**

Course No	Course Title	Units
PE 15	Introduction to Kinesiology	3.0
BIOL 25	Human Anatomy & Physiology I	4.0
BIOL 26	Human anatomy & Physiology II	4.0

**Select 3 units form the following: 1 course from each area**

**Fitness**

PEAC 16	Walking for fitness	1.0
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**Individual Sports**

PEAC 34	Golf Skills	1.0
PEAC 14	Bowling	1.0

**Team Sports**

PEAC 2B	Pre-Season Skills and Conditioning for Soccer	1.0
PEAC 5D	Off-Season Skills and Conditioning for Basketball	1.0
PEAC 9B	Pre-Season Skills and Conditioning for Volleyball	1.0

**Take the following 2 courses 8 Units**

MATH 40	Elementary Statistics	3.0
CHEM 1A	General Chemistry	5.0

**Completion of either the CSU General Education or IGETC Option**

Remaining Units to Total 60 Units may be selected from electives. Courses must be numbered 1 – 49.

**Program Student Learning Outcomes**

Upon completion of the **Associate in Arts Degree in Kinesiology**, the student will be able to:

1. Describe the historical, ethical, and philosophical foundations of Kinesiology.
2. Defend and philosophy of physical activity that includes goals for lifetime fitness.
3. Demonstrate increased muscular strength, muscular endurance, and cardiovascular endurance specific to a team of individual sport or activity.
4. Apply the scientific method by stating a question; researching the topic; determining appropriate tests; collecting, analyzing, and presenting data; and finally proposing new questions about the topic.
5. Relate the structures and functions of the various body systems studied to the metabolic activities of a single selected body cell.

**Associate in Arts Degree University Studies: Emphasis in Physical Education**

**Total Units for the Associate in Arts Degree: 60 Units**

**Required Core Courses: 18 Units**

Course No	Course Title	Units			
BIOL 25	Human Anatomy and Physiology I	4.0	PEAC 6D	Off-Season Skills and Conditioning for Wrestling	1.5
BIOL 26	Human Anatomy and Physiology II	4.0	PEAC 7	Varsity Baseball	3.0
HLTH 2	Personal Health	3.0	PEAC 7D	Off-Season Skills and Conditioning for Baseball	3.0
HLTH 25	Understanding Nutrition	3.0	PEAC 9	Woman's Varsity Volleyball	3.0
PE 15	Introduction to Kinesiology	3.0	PEAC 9B	Pre-Season Skills and Conditioning for Volleyball	1.0
PEAC 32D	Fitness Center	1.0	PEAC 9D	Off-Season Skills and Conditioning for Volleyball	1.5
PEAC 2A	Men's Varsity Soccer	3.0	PEAC 10	Woman's Varsity Softball	3.0
PEAC 2B	Pre-Season Skills and Conditioning for Soccer	1.0	PEAC 10D	Off-Season Skills and Conditioning for Softball	3.0
PEAC 2C	Women's Varsity Soccer	3.0	PEAC 14	Bowling	1.0
PEAC 2D	Off-Season Skills and Conditioning for Soccer	1.5	PEAC 16	Walking	1.0
PEAC 5A	Men's Varsity Basketball	3.0	PEAC 34	Golf Skills	1.0
PEAC 5B	Pre-Season Skills and Conditioning for Basketball	1.5	PEAC 44	Yoga	1.0
PEAC 5C	Women's Varsity Basketball	3.0			
PEAC 5D	Off-Season Skills and Conditioning for Basketball	1.0			
PEAC 6	Varsity Wrestling	3.0			
PEAC 6B	Pre-Season Skills and Conditioning for Wrestling	1.0			

**Completion of either the CSU General Education or IGETC Option**

Remaining Units to Total 60 Units may be selected from electives. Courses must be numbered 1 – 49.

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**Program Student Learning Outcomes**  
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Upon completion of the **Associate in Arts Degree University Studies: Emphasis in Physical Education**, the student will be able to:

6. Develop and apply techniques and strategies for development of personal physical fitness.
7. Think critically and apply logic to situational game play through intercollegiate athletics.
8. Cooperate with others in a collaborative environment for accomplishment of personal fitness and/or team goals.
9. Implement a healthy lifestyle/physical fitness plan to enhance physical health and fitness.
10. Analyze trends and problems in physical education through historical comparisons; draw conclusions relevant to today's population and society.
11. Demonstrate mastery of a variety of skills and techniques specific to sport and fitness.
12. Demonstrate an understanding of the basic methodologies of science.

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**Associate in Arts Degree General Studies: Emphasis in Physical Education**  
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**Total Units for the Associate in Arts Degree: 60 Units**

**Required Core Courses: 14 Units**

Course No	Course Title	Units	PEAC	Activity	Units
BIOL 1	Principles of Molecular and Cellular Biology	4.0	PEAC 6B	Pre-Season Skills and Conditioning for Wrestling	1.0
HLTH 2	Personal Health	3.0	PEAC 6D	Off-Season Skills and Conditioning for Wrestling	1.5
HLTH 25	Understanding Nutrition	3.0	PEAC 7	Varsity Baseball	3.0
PE 15	Introduction to Kinesiology	3.0	PEAC 7D	Off-Season Skills and Conditioning for Baseball	3.0
PEAC 32D	Fitness Center	1.0	PEAC 9	Woman's Varsity Volleyball	3.0
PEAC 2A	Men's Varsity Soccer	3.0	PEAC 9B	Pre-Season Skills and Conditioning for Volleyball	1.0
PEAC 2B	Pre-Season Skills and Conditioning for Soccer	1.0	PEAC 9D	Off-Season Skills and Conditioning for Volleyball	1.5
PEAC 2C	Women's Varsity Soccer	3.0	PEAC 10	Woman's Varsity Softball	3.0
PEAC 2D	Off-Season Skills and Conditioning for Soccer	1.5	PEAC 10D	Off-Season Skills and Conditioning for Softball	3.0
PEAC 5A	Men's Varsity Basketball	3.0	PEAC 14	Bowling	1.0
PEAC 5B	Pre-Season Skills and Conditioning for Basketball	1.5	PEAC 16	Walking	1.0
PEAC 5C	Women's Varsity Basketball	3.0	PEAC 34	Golf Skills	1.0
PEAC 5D	Off-Season Skills and Conditioning for Basketball	1.0	PEAC 44	Yoga	1.0
PEAC 6	Varsity Wrestling	3.0			

**Required Activity Electives: 8 Units** – Complete eight (8) units in at least two different activities.

**Electives: 20 units** (no more than 6 units from any one discipline.)  
 The student may select from any courses numbered 1 – 99 to satisfy this requirement.  
**Note: This degree does not prepare a student to transfer to a University.**

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**Program Student Learning Outcomes**  
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Upon completion of the **Associate in Arts Degree University Studies and General Studies: Emphasis in Physical Education**, the student will be able to:

1. Develop and apply techniques and strategies for development of personal physical fitness.
2. Think critically and apply logic to situational game play through intercollegiate athletics.
3. Cooperate with others in a collaborative environment for accomplishment of personal fitness and/or team goals.
4. Implement a healthy lifestyle/physical fitness plan to enhance physical health and fitness.
5. Analyze trends and problems in physical education through historical comparisons; draw conclusions relevant to today's population and society.
6. Demonstrate mastery of a variety of skills and techniques specific to sport and fitness.
7. Demonstrate an understanding of the basic methodologies of science.

# Psychology

## DEGREE

### Associate in Arts in Psychology for Transfer

The Associate in Arts Degree in Psychology for Transfer is designed to provide students with a strong foundation for the study of Psychology in order to transfer to a California State University. It is an excellent starting point for students interested in pursuing a baccalaureate degree in Psychology. The core course work is designed to provide undergraduate preparation in an overview of the study and practice of psychology as well as skill in analyzing and interpreting psychological research.

As a Psychology major, you will:

- Be exposed to the field of psychology through courses that are academically rigorous and content appropriate.
- Develop the skills necessary to gather, interpret, and analyze quantitative and qualitative data.

### Career Options

Human or Social Services Careers in these possible areas:

Case Management  
Social Work  
Career Counselor  
Rehabilitation Specialist  
Mental Health Services

### Career Preparation

The Associates in Arts Degree in Psychology for Transfer prepares the student for transfer to a California State University.

### Program Highlights

Core curriculum in Psychology for transfer to a California State University  
Small class size  
Individualized tutoring  
Associate Degree in Psychology can be completed within two (2) years.

### Note to Transfer Students:

The benefit for students completing the AS-T degree is that the California State University (CSU) system is required to grant admission with junior status to any community college student who meets all of the requirements. "CSU is required to grant priority admission for a student with this associate degree to his or her local CSU campus and to a program or major that is similar to this major, as determined by the CSU campus to which the student is admitted."



Associate Degree  
for Transfer™

## Associate in Arts Degree in Psychology for Transfer

**Total Units for the Associate in Arts Degree with a minimum grade point average of 2.0: 60 Units**

**Required Core Courses: 18 Units**

**Required Core: 9 Units**

Course No	Course Title	Units	<b>Complete 6 units from the following:</b>	
MATH 40	Elementary Statistics	3.0	PSY 6	Abnormal Psychology 3.0
PSY 1	Introduction to Psychology	3.0	PSY 18	Human Development: A Life Span 3.0
PSY 5	Introduction to Research Methods	3.0	PSY 31	Child Development: Conception Through Adolescence 3.0
<b>Complete the following 3 Units</b>			PSY 33	Psychology of Personal and Social Development 3.0
BIOL 32	General Life Science	3.0		

### Completion of either the CSU General Education or IGETC Option

Remaining Units to Total 60 Units may be selected from electives. Courses must be numbered 1 – 49.

## Program Student Learning Outcomes

Upon completion of the **Associate in Arts Degree in Psychology for Transfer** student will be able to:

1. Demonstrate comprehension of the major concepts, theoretical perspectives, empirical findings, and historical and contemporary trends in psychology.
2. Demonstrate comprehension of scientifically-based research methods in psychology.
3. Use logic and empirical evidence to evaluate claims made about behavior.

# Social Sciences

## DEGREES

Associate in Arts Degree University Studies:

Emphasis in Social Sciences

Associate in Arts Degree General Studies:

Emphasis in Social Sciences

The Associate in Arts Degree in University Studies, Social Sciences emphasis is designed to provide students with a strong foundation for the study of humanity from diverse perspectives. It is an excellent starting point for students interested in pursuing baccalaureate degrees in anthropology, history, political science, psychology, sociology. Students must meet with a counselor to ensure completion required coursework for chosen major and specific college/university.

These courses emphasize the study of human, social, political, and economic institutions and behaviors. Students will examine problems and issues in these areas in their contemporary as well as historical setting.

Some positions however require a four-year degree for which LCC's program is a good base for transfer.

Associate Degree in Social Sciences can be completed within two (2) years.

### Note to Transfer Students:

If you are interested in transferring to a four-year college or university to pursue a bachelor's degree in this major, it is critical that you meet with a counselor to select and plan the courses for your major. Schools vary widely in terms of the required preparation. The courses that Lassen Community College requires for an associate degree in this major may be different from the requirements needed for the bachelor's degree.

## Associate in Arts Degree University Studies: Emphasis in Social Sciences

**Total Units for the Associate in Arts Degree: 60 Units**

**Required Core Courses: 18 Units**

**Select 18 units from the following:**

Course No	Course Title	Units			
AJ 10	Criminology	3.0	JOUR 4	Mass Communication and Society	3.0
AJ 20	Criminal Law	3.0	PLSC 1	American Institutions	3.0
AGR 2	Agricultural Economics	3.0	PSY 1	Introduction to Psychology	3.0
ANTH 2	Cultural Anthropology	3.0	PSY 2	Principles of Psychology	3.0
ANTH 3	Introduction to Archaeology	3.0	PSY 5	Introduction to Research Methods	3.0
CD 31	Child Development: Conception Through Adolescence	3.0	PSY 6	Abnormal Psychology	3.0
ECON 10	Macro-economics	3.0	PSY 18	Human Development: A Life Span	3.0
ECON 11	Micro-economics	3.0	PSY 31	Child Development: Conception Through Adolescence	3.0
ES 1	Ethnic Minorities in America	3.0	PSY 33	Psychology of Personal and Social Adjustment	3.0
GEOG 2	Cultural Geography	3.0	SOC 1	Introduction to Sociology	3.0
HIST 14	World History-Beginning to 1500	3.0	SOC 2	Social Problems	3.0
HIST 15	World History-1500 to Present	3.0	SOC 3	Family Relations	3.0
HIST 16	U.S. History	3.0	SOC 4	Introduction to Gender	3.0
HIST 17	Post-Civil War U.S. History	3.0			
HUM 1	Western Civilization-Prehistoric to 1600	3.0			
HUM 2	Western Civilization-1600 to Present	3.0			

**Completion of either the CSU General Education or IGETC Option**

Remaining Units to Total 60 Units may be selected from electives. Courses must be numbered 1 – 49.

## Program Student Learning Outcomes

Upon completion of the **Associate in Arts Degree University Studies: Emphasis in Social Sciences**, the student will be able to:

1. Demonstrate an understanding of human beings, their actions and interactions, decision-making processes, communication strategies, and the methods of scientific inquiry.
2. Analyze patterns of social problems, which are based on ethnic and cultural differences in the United States.
3. Analyze the influence of culture, family, society, and environment on an individual's development.
4. Examine human diversity in relation to psychological theory.



**Associate in Arts Degree General Studies: Emphasis in Social Sciences**

**Total Units for the Associate in Arts Degree: 60 Units**

**Required Core Courses: 18 Units**

**Select 18 units from the following:**

Course No	Course Title	Units			
			JOUR 4	Mass Communication and Society	3.0
AJ 10	Criminology	3.0	PLSC 1	American Institutions	3.0
AJ 20	Criminal Law	3.0	PSY 1	Introduction to Psychology	3.0
AGR 2	Agricultural Economics	3.0	PSY 2	Principles of Psychology	3.0
ANTH 2	Cultural Anthropology	3.0	PSY 5	Introduction to Research Methods	3.0
ANTH 3	Introduction to Archaeology	3.0	PSY 6	Abnormal Psychology	3.0
CD 31	Child Development: Conception Through Adolescence	3.0	PSY 18	Human Development: A Life Span	3.0
			PSY 31	Child Development: Conception Through Adolescence	3.0
ECON 10	Macro-economics	3.0			
ECON 11	Micro-economics	3.0	PSY 33	Psychology of Personal and Social Adjustment	3.0
ES 1	Ethnic Minorities in America	3.0			
GEOG 2	Cultural Geography	3.0	SOC 1	Introduction to Sociology	3.0
HIST 14	World History-Beginning to 1500	3.0	SOC 2	Social Problems	3.0
HIST 15	World History-1500 to Present	3.0	SOC 3	Family Relations	3.0
HIST 16	U.S. History	3.0	SOC 4	Introduction to Gender	3.0
HIST 17	Post-Civil War U.S. History	3.0			
HUM 1	Western Civilization-Prehistoric to 1600	3.0			
HUM 2	Western Civilization-1600 to Present	3.0			

**Electives: 24 units** Courses must be numbered 1-99

**General Education Requirements: 18 Units**

*Note: This degree does not prepare a student to transfer to a University*

**Program Student Learning Outcomes**

Upon completion of the **Associate in Arts Degree General Studies: Emphasis in Social Sciences**, the student will be able to:

1. Demonstrate an understanding of human beings, their actions and interactions, decision-making processes, communication strategies, and the methods of scientific inquiry.
2. Analyze patterns of social problems, which are based on ethnic and cultural differences in the United States.
3. Analyze the influence of culture, family, society, and environment on an individual's development.
4. Examine human diversity in relation to psychological theory.



# Sociology

## DEGREE

Associate in Arts in Sociology for Transfer

The Associate in Arts Degree for Transfer in Sociology is designed to provide students with a strong foundation for the study of society and social behavior. The sociology major is designed to provide undergraduate preparation leading to careers in social work, politics, law, public administration, the nonprofit sector, international development, marketing, urban and environmental planning, public relations, human resource management, counseling and other social service professions. It is an excellent starting point for students interested in pursuing a baccalaureate degree in sociology. Students will examine problems and issues in their contemporary as well as historical setting.

As an Sociology major you will:

- Study a comprehensive introduction to the field of sociology through courses that are academically rigorous and content appropriate.
- Acquire the knowledge and skills to apply the “sociological perspective” to your own life and to the social environment of which you are a part.
- Gain the knowledge and ability to use sociological concepts creatively in analyzing and critically thinking about social phenomena.
- Analyze the news of the day as well as changes in the global economy and other major social institutions.
- Identify an area of specialization in sociology

Associate Degree in Sociology can be completed within two (2) years.

### Note to Transfer Students:

The benefit for students completing the AA-T degree is that the California State University (CSU) system is required to grant admission with junior status to any community college student who meets all of the requirements. “CSU is required to grant priority admission for a student with this associate degree to his or her local CSU campus and to a program or major that is similar to this major, as determined by the CSU campus to which the student is admitted.”



Associate Degree  
for Transfer™

## Associate in Arts Degree in Sociology for Transfer

**Total Units for the Associate in Arts Degree with a minimum grade point average of 2.0: 60 Units**

**Required Core Courses: 18 Units**

**Complete the following 15 Units:**

Course No	Course Title	Units
MATH 40	Elementary Statistics	3.0
SOC 1	Introduction to Sociology	3.0
SOC 2	Social Problems	3.0
SOC 3	Family Relations	3.0
SOC 4	Introduction to Gender	3.0

**Select 3 additional Units from the following:**

ANTH 2	Cultural Anthropology	3.0
PSY 1	Introduction to Psychology	3.0

**Completion of either the CSU General Education or IGETC Option**

Remaining Units to Total 60 Units may be selected from electives. Courses must be numbered 1 – 49.

## Program Student Learning Outcomes

Upon completion of the **Associate in Arts Degree in Sociology for Transfer** student will be able to:

1. Identify and explain basic concepts of sociology, research and theory.
2. Identify processes of social control and how they shape our social institutions and lives.
3. Display knowledge of the impact of social institutions on everyday lives.
4. Effectively work in teams, managing time, tasks, and personality differences sharing results and analysis to arrive at a final collaborative product.
5. Systematically collect, organize, and present appropriate data from a variety of sources including independent research, written journals and the Internet. Assess the validity of the data and interpret it correctly.

# Welding Technology

## DEGREE

Associate in Science in Welding Technology

## CERTIFICATES OF ACHIEVEMENT

Welding Technology Two-Year Plan

Welding Technology One-Year Plan

## CERTIFICATE OF ACCOMPLISHMENT

Welding Technology

The Welding Technology Program is designed to prepare the student with the necessary skills to acquire an entry-level position in the various industries that require the different welding processes available through the Program. The Welding Program is also designed to assist those already employed in the industry and those in the community to improve their skills. The Program offers course work in Oxyacetylene Welding (OAW), Gas Metal Arc Welding (GMAW), Shielded Metal Arc Welding (SMAW), Gas Tungsten Arc Welding (GTAW) and American Welding Society (AWS) qualifications in plate and pipe welding. The curriculum is updated with the assistance of an industry advisory committee.

As a Welding major, you will:

- Study a general welding curriculum including welding plate and pipe and qualifications in multiple welding processes to American Welding Society standards.
- Develop leadership and communication skills.
- Identify the welding careers you are most interested in and build a course of study to better qualify you to succeed in that career.

## Career Options

Welding Technician  
Sales  
Inspection  
Supervision & Management  
Aerospace  
Welding Engineering  
Construction  
Trucking & Automotive  
Welding Instructor

Some positions however require a four-year degree for which LCC's program is a good base for transfer.

## Program Highlights

- Classes for beginning through advanced welders.
- Welding qualifications through the American Welding Society.
- Practical hands-on training with classroom theory.
- Short term courses.

Associate Degree and Certificate of Achievement in Welding can be completed within two (2) years.

Internships in welding are available for students interested in Work Experience opportunities.

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## Associate in Science Degree Welding Technology

**Total Units for the Associate in Science Degree: 60 Units**

**Required Core Courses: 24 Units**

Course No	Course Title	Units
WT 20	Power Plants and Field Pipe Welding I	3.0
WT 21	Power Plants and Field Pipe Welding II	3.0
WT 22	Power Plants and Field Pipe Welding III	3.0
WT 23	Power Plants and Field Pipe Welding IV	3.0
WT 36	Welding Theory and Practice: Oxyacetylene	3.0
WT 37	Welding Theory and Practice: Shielded Metal Arc Welding	3.0
WT 38	Welding Theory and Practice: Gas Metal Arc Welding	3.0
WT 39	Welding Theory and Practice: Gas Tungsten Arc Welding	3.0

**Required Electives: 18 Units**

Course No	Course Title	Units
BUS 2	Introduction to Business	3.0
CA 31	Computer Applications I	2.0
IT 22	Operations Maintenance and Safety	1.0
IT 72	Facilities Maintenance: Welding	2.0
WT 40	Oxyacetylene Welding	3.0
WT 42	Intermediate Shielded Metal Arc Welding	3.0
WT 43	Advanced Shielded Metal Arc Welding	3.0
WT 44	Gas Metal Arc Welding	3.0
WT 45	Gas Tungsten Arc Welding	3.0
WT 51	Blueprint and Symbol Reading for Welders	2.0

**General Education Requirements: 18 Units**

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## Program Student Learning Outcomes

Upon completion of the **Associate in Science Degree Welding Technology**, the student will be able to:

1. Demonstrate the safe setup and application of various welding and cutting processes to specific metals and joint designs, which meet or exceed industry standards and the American Welding Society Structural Welding Code, DI.1.

**Certificate of Achievement: Welding Technology - Two Year**

**Total Units for the Two-Year Certificate of Achievement: 44 Units**

**Required Core Courses: 29 Units**

Course No	Course Title	Units	WT 39	Welding Theory and Practice: Gas Tungsten Arc Welding	3.0
IT 22	Operations Maintenance and Safety	1.0			
IT 72	Facilities Maintenance: Welding	2.0	WT 51	Blueprint and Symbol Reading for Welders	2.0
WT 20	Power Plants and Field Pipe Welding I	3.0			
WT 21	Power Plants and Field Pipe Welding II	3.0			
WT 22	Power Plants and Field Pipe Welding III	3.0			
WT 23	Power Plants and Field Pipe Welding IV	3.0			
WT 36	Welding Theory and Practice: Oxyacetylene	3.0			
WT 37	Welding Theory and Practice: Shielded Metal Arc Welding	3.0			
WT 38	Welding Theory and Practice: Gas Metal Arc Welding	3.0			

**Required Electives: 15 Units**

Course No	Course Title	Units
BUS 2	Introduction to Business	3.0
CA 31	Computer Applications I	2.0
WT 40	Oxyacetylene Welding	3.0
WT 42	Intermediate Shielded Metal Arc Welding	3.0
WT 43	Advanced Shielded Metal Arc Welding	3.0
WT 44	Gas Metal Arc Welding	3.0
WT 45	Gas Tungsten Arc Welding	3.0

**Program Student Learning Outcomes**

Upon completion of the **Certificate of Achievement in Welding Technology Two-Year**, the student will be able to:

- Demonstrate the safe setup and application of various welding and cutting processes to specific metals and joint designs, which meet or exceed industry standards and the American Welding Society Structural Welding Code, DI.1.

**Certificate of Achievement: Welding Technology - One Year**

**Total Units for the One-Year Certificate of Achievement: 23 Units**

**Required Core Courses: 17 Units**

Course No	Course Title	Units	<b>Required Electives: 6 Units</b>		
IT 22	Operations Maintenance and Safety	1.0	Course No	Course Title	Units
IT 72	Facilities Maintenance: Welding	2.0	WT 36	Welding Theory and Practice: Oxyacetylene	3.0
WT 20	Power Plants and Field Pipe Welding I	3.0	WT 40	Oxyacetylene Welding	3.0
WT 21	Power Plants and Field Pipe Welding II	3.0	WT 42	Intermediate Shielded Metal Arc Welding	3.0
WT 37	Welding Theory and Practice: Shielded Metal Arc Welding	3.0	WT 43	Advanced Shielded Metal Arc Welding	3.0
WT 38	Welding Theory and Practices: Gas Metal Arc Welding	3.0	WT 44	Gas Metal Arc Welding	3.0
WT 51	Blueprint and Symbol Reading for Welders	2.0	WT 45	Gas Tungsten Arc Welding	3.0

**Program Student Learning Outcomes**

Upon completion of the **Certificate of Achievement in Welding Technology One-Year**, the student will be able to:

- Demonstrate the safe set-up and application of Oxyacetylene Cutting (OAC), Oxyacetylene Welding (OAW), Carbon Arc Cutting (CAC), Gas Tungsten Arc Welding (GTAW), Gas Metal Arc Welding (GMAW), Flux Cored Arc Welding (FCAW), and Shielded Metal Arc Welding (SMAW) to ferrous, alloy and nonferrous metals.
- Apply the SMAW, GTAW, GMAW, and FCAW processes to steel plate and pipe that meet or exceed industry standards and the American Welding Society Structural Welding Code, DI.1.

**Certificate of Accomplishment: Welding Technology**

**Total Units for the Certificate of Accomplishment Welding Technology: 12 Units**

**Required Core Courses: 9 Units**

Course No	Course Title	Units	<b>Required</b>	<b>Electives: 3 Units</b>	
WT 20	Power Plants and Field Pipe Welding I	3.0	IT 22	Operations Maintenance and Safety	3.0
WT 37	Welding Theory and Practice: Shielded Metal Arc Welding	3.0	IT 72	Facility Maintenance: Welding	2.0
WT 38	Welding Theory and Practice: Gas Metal Arc Welding	3.0	WT 36	Welding Theory and Practice	3.0
			WT 51	Blueprint and Symbol Reading for Welders	2.0

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## Program Student Learning Outcomes

Upon completion of the **Certificate of Accomplishment in Welding Technology**, the student will be able to:

1. Demonstrate the safe set-up and application of Oxyacetylene Cutting (OAC), Oxyacetylene Welding (OAW), Carbon Arc Cutting (CAC), Gas Tungsten Arc Welding (GTAW), Gas Metal Arc Welding (GMAW), Flux Cored Arc Welding (FCAW), and Shielded Metal Arc Welding (SMAW) to ferrous metals.

# Course Descriptions

## Abbreviations

The following Lassen Community College Courses include the following abbreviations and notations:

<b>UC</b>	Transferable to <b>U</b> niversity of <b>C</b> alifornia
<b>CSU</b>	Transferable to <b>C</b> alifornia <b>S</b> tate <b>U</b> niversity
<b>IGETC</b>	<b>I</b> ntersegmental <b>G</b> eneral <b>E</b> ducation <b>T</b> ransfer <b>C</b> urriculum, Area Requirements
<b>CSU GE</b>	<b>C</b> alifornia <b>S</b> tate <b>U</b> niversity <b>G</b> eneral <b>E</b> ducation Certification, Area Requirements
<b>CL</b>	<b>C</b> redit <b>L</b> imit. See a counselor.
<b>R</b>	Course may be <b>R</b> epeated
<b>C-ID</b>	<b>C</b> ourse <b>I</b> dentification Number ( <i>See Catalog Descriptions on page 34</i> )

## Course Numbering

The following course numbering system has been adopted for Lassen Community College courses.

Numbers 1-49	Associate Degree Applicable Credit Course, Transfer
Numbers 50-99	Associate Degree Applicable Credit Course, Non-Transfer
Numbers 100-109	Non-degree Applicable Pre-Collegiate Basic Skills Course
Numbers 110-149	Other Non-degree Applicable Credit Course
Numbers 150-189	Non-credit Course

## Selected Topic Courses

Selected topic courses are numbered 48 or 98.

In selected career technical education degrees and certificates, selected topics courses can be used to meet elective requirements.

## Work Experience Courses

Work experience courses are numbered 49.

## Distance Education

Lassen Community College has distance learning instruction that includes online courses and correspondence courses. For additional information on distance-learning courses, please contact Academic Services at 530.251.8819. For additional information on Correspondence courses, please contact the Correspondence Office at 530.251.8875.



## ADMINISTRATION OF JUSTICE

### **AJ 9 - Introduction to Correctional Science**

**3.0 units**

**CSU**

**C-ID AJ 200**

#### **Recommended Preparation:**

Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture

This course is designed to provide the student with the history of and critical analysis of punishment, alternatives to punishment, and the impact of punishment on the Criminal Justice System and corrections. It will provide a critical examination of the various types of correctional institutions, the special populations housed in these institutions as well as community prisons, alternatives to incarceration and other innovative programs. Students will also study the political and economic ramifications of juvenile delinquents and their rights of Due Process. This course has been approved for correspondence delivery.

### **AJ 10 – Criminology**

**3.0 units**

**CSU/UC**

**Associate Degree Area B**

#### **Recommended Preparation:**

Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture

A scientific study of crime throughout the world with emphasis on criminal conditions in the United States. The course includes such areas as population versus crime growth, the inadequate handling of crime, the demographic, socio-cultural and geographic conditions regarding crime, etc. This course has been approved for correspondence delivery.



### **AJ 11 – Youth Gangs in America**

**3.0 units**

**CSU**

#### **Recommended Preparation:**

Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture

This course explores youth gang activity in the United States. Focusing primarily on contemporary street gangs. The social conditions that lead to their emergence are considered, as well as perceptions of the gang problem. Also considered are racial and ethnic differences between gangs and potential solutions to the challenges that youth gangs present. This course has been approved for correspondence and online delivery.

### **AJ 12 - Introduction to Criminal Justice**

**3.0 units**

**CSU**

**C-ID AJ 110**

#### **Recommended Preparation:**

Successful completion of ENGL105 or equivalent assessment placement.

3 hour lecture

This course explores the roots of our current justice system and the interaction of its various subsystems (law enforcement/prosecution, judicial and corrections). It emphasizes the organizational structure and legal considerations relevant to each subsystem. Topics include the origin of law, theories of crime causation, criminal procedure, and sentencing philosophies and alternatives. This course has been approved for correspondence delivery.

### **AJ 13 - Narcotics Investigation and Identification**

**3.0 units**

**CSU**

#### **Recommended Preparation:**

Successful completion of ENGL105 or equivalent assessment placement.

3 hour lecture

The course will give general information on the investigation of narcotics related cases. The departmental and community involvement in narcotics cases as well as the identification of common drugs will also be covered. This course has been approved for correspondence delivery.

### **AJ 14 - Juvenile Procedures**

**3.0 units**

**CSU**

**C-ID AJ 220**

#### **Recommended Preparation:**

Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture

This course is designed to give the student an understanding of the juvenile justice system. Emphasis will be placed on basic organization, function, and jurisdiction of the various juvenile related law enforcement agencies. The study of the processing and detention of juveniles, their court procedures, dispositions and juvenile diversion will be examined. The development of an understanding of juvenile delinquency will be explored while gaining insight into the numerous rules of evidence, basic criminal laws, and the tactics used in dealing with juvenile offenders. This course has been approved for correspondence delivery.

### **AJ 20 - Criminal Law**

**3.0 units**

**CSU/UC**

**CSU GE Area D8**

**Associate Degree Area B**

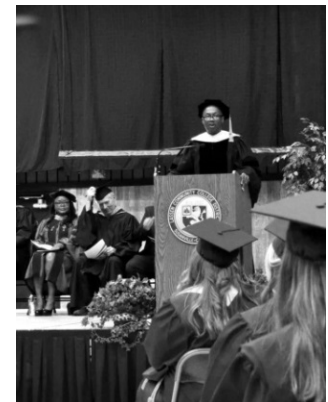
**C-ID AJ 120**

#### **Recommended Preparation:**

Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture

This course offers an overview of the origin and development of law, including English Common Law. It provides an analysis of the doctrines of criminal liability in the United States and the classification of crimes against persons, property, morals, and public welfare. The distinction between torts and crimes, felonies and misdemeanors, and venue and jurisdiction will be examined. Crimes against persons and property and crimes popularly deemed to be victimless will be discussed. This course utilizes case law and case studies to introduce students to criminal law. This course is also approved for correspondence delivery.



## **AJ 23 - Criminal Evidence**

**3.0 units**

**CSU**

**C-ID AJ 124**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture

A course dealing with the concepts of evidence, types and rules governing admissibility. Judicial decisions, interpretation of individual rights and prosecution decisions are examined. Developing trends in the laws of criminal evidence are discussed. This course has been approved for correspondence delivery.

## **AJ 24 - Community Relations**

**3.0 units**

**CSU/UC**

**C-ID AJ 160**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture

This course examines the complex, dynamic relationship between communities and the justice system in addressing crime and conflict with an emphasis on the challenges and prospects of administering justice within a diverse multicultural population. An overview of multicultural concepts and issues, including those related to gender, age, and sexual preference is covered as well as an examination of strategies to overcome these problems. This course has been approved for correspondence delivery.

## **AJ 35 - Investigative Techniques**

**3.0 units**

**CSU**

**C-ID AJ 140**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture

A semester course with instruction and hands-on training regarding fundamentals of investigation; crime scene search and recording; collection and preservation of physical evidence; scientific aids; modus operandi; sources of information; interviews and interrogation; follow-up and case preparation. This course has been approved for correspondence delivery.

## **AJ 37 - Patrol Procedures/Concepts**

**3.0 units**

**CSU**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture

A study of the components of police patrol dealing with proper techniques in the performance of the patrol task, noting importance of skill and knowledge of the job, tools of the trade, community relations and courtroom demeanor. This course has been approved for correspondence delivery.

## **AJ 48.02 – DUI Detection-Field**

**Sobriety**

**2.0 units**

**CSU**

**Prerequisite:** Basic POST Certification or Equivalent Training

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

40 hours lecture

This course is designed to present to students an understanding of the DUI problem on a local, state and national level. This 40 hour block of instruction will provide students with the knowledge necessary to recognize the three phases of detection, appropriately administer a Field Sobriety test, write proper field notes during a DUI investigation and provide accurate and complete testimony in the courtroom.

## **AJ 48.03 – Academy Instructor**

**Certification**

**2.0 units CSU**

**Prerequisite:** Before entering this course, *the student should be able to:* 1) *Provide P.O.S.T. documented experience in instructing in a law enforcement environment. (P.O.S.T. Instructor Certificates).* 2) *Demonstrate knowledge of POST training mandates.*

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture

This course is certified by the Commission on Peace Officers Standards and Training and is intended to equip instructors with the skills, competencies and knowledge necessary to deliver training for recruits and peace officers in a manner that emphasizes the retention and application of the knowledge consistent with the goals and mission of policing. This course is to prepare instructors to train peace officers and recruits in active, rather than a passive learning environment. Repeatable as necessary to maintain certification.

## **AJ 48.20 – Understanding Street**

**0.5 units**

**CSU**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

8 hours lecture (1 Day)

This course is designed to present street gangs, their structure, hierarchy method of operation, police procedures to deal with the problems, in a seminar format. Enrollment limited to those with Department of Justice criminal history clearance. Repeatable as needed.

## **AJ 48.71 – Interviewing and Interrogation**

**1.5 units**

**CSU**

24 hours lecture

Objectives are to identify the difference between interviewing and interrogation.

Three types of interviews (free-format, cognitive, and elimination.) Ten step interrogation process and preparation of the case for court presentation. This course is repeatable as necessary to maintain certification.

## **AJ 49 - Administration of Justice Work Experience**

**1.0 – 8.00 units**

**CSU**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

5-40 hours lab (R)

This course enables students with educational or career goals in administration of justice, who are working in the field of law enforcement, to build related job specific skills through individualized learning objectives and enhance their workplace performance. Attendance of an on campus orientation session is required for all Work Experience enrollments. Students complete an online expanded orientation module addressing workplace success skills throughout the term. Subsequent enrollments require new individualized learning objectives. Units are awarded based upon achievement of approved learning objectives, workplace performance, submission of course assignments, and documentation of work hours. Enrollment in Work Experience courses is limited to a maximum of 16 units, including all Vocational, Occupational and General Work Experience enrollments. Title V specifies students will earn 1 unit of credit for each 75 hours paid work, and 1 unit of credit for each 60 hours volunteer work. This course has been approved for hybrid delivery.

## **AJ 52A - Arrest Methods and Procedures**

**2.5 units**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

40 hours lecture total (R)

A course certified by the California Peace Officer Standards and Training to qualify students for reserve level law enforcement functions. An interactive course to effectively train the student in the important powers and duties of a California Peace Officer. Repeatable as necessary to maintain certification.

## **AJ 52B - Firearms P.C. 832**

**0.5 unit**

**Co-requisite:** AJ 52A

24 hours lab

A course certified by the California Peace Officer Standards and Training to qualify students to meet the requirement of P.C. 832. Enrollment limited to those with Department of Justice criminal history clearance (non-sponsored trainees only). Repeatable as necessary to maintain certification.

## **AJ 52BR - Firearms Training-Refresher**

**0.5 units**

8 hours lecture

An 8 hour course on firearms care, cleaning and shooting principle. Includes range combat shoot based on requirement of the 832 P.C. Basic Course. This course is a refresher course to meet state requirements for concealed weapons permit. Enrollment limited to those with Department of Justice criminal history clearance (non-sponsored trainees only). Repeatable as needed.

## **AJ 52C - Reserve Officer Training Level III (Beginning)**

**8.0 units**

**Prerequisite:** AJ 52B

8.5 hours lecture

A course designed by the California Peace Officer Standards and Training to meet the additional mandated training of Reserve Level III effective July 1, 1999. Enrollment limited to those with Department of Justice criminal history clearance (non-sponsored trainees only). Repeatable as necessary to maintain certification.

## **AJ 53 - Reserve Officer Training Level II (Intermediate)**

**10.5 units**

**Prerequisite:** AJ 52C

11 hour lecture/.5 hour lab

This course is designed to meet the Level II requirements of the California State Commission on Peace Officer Standards and Training Reserve Officers and other interested persons as a continuation of AJ 52A, AJ 52B, and AJ 52C (832 PC Arrest and Firearms). Enrollment limited to those with Department of Justice criminal history clearance (non-sponsored trainees only). Repeatable as necessary to maintain certification.

## **AJ 56 - Spanish for Law Enforcement**

**3.0 units**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture (R)

This course will provide the student with the ability to understand and communicate in Spanish at a level required for law enforcement and corrections. Repeatable as necessary to maintain certification.

## **AJ 71 – CDCR Off Post Training for Custody Staff**

**1.0 unit**

**Pre-requisites:** Basic Correctional Academy including POST Training

51 hours lab (R)

This course is designed to provide annual off post training to California Department of Corrections and Rehabilitation (CDCR) custody staff. This course is repeatable when legally mandated for continued paid or volunteer employment.

Repeatability: Repeatable when legally mandated ["required by statute or regulation as a condition of paid or volunteer employment" Section 55000(k)]. See Penal Code 832 and CDCR DOM 32010.8.1 Annual Peace Officer Training

## **AGRICULTURE**

### **AGR 1 - Agricultural Accounting**

**3.0 units**

**CSU**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

2 hours lecture/3 hours lab

The Study of the principles of agricultural accounting systems and types of records, their use and how to compute, and use measures of earnings and cost of production to improve agribusiness efficiency. Also included are farm income tax, Social Security, and employee payroll records. Application of these concepts and methods through hands-on projects developing computer-based solutions for agriculture business.

### **AGR 2 - Agricultural Economics**

**3.0 units**

**CSU/UC**

**CSU GE Area D2/IGETC Area 4B**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture

Study of agriculture and farming in the economic system; basic economic concepts, and problems of agriculture; pricing and marketing problems, factors of production; and state and federal farm programs affecting the farmer's economic position.

### **AGR 3 - Introduction to Agriculture Business**

**3.0 units**

**CSU/UC**

**Recommended Preparation:**

Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture

This course is a survey and basic understanding of the business and economics of the agriculture industry. It is an introduction to the economic aspects of agriculture and their implications to the agricultural producer, consumer and the food system. The management principles encountered in the day-to-day operation of an agricultural enterprise are stressed as they relate to the decision-making process.





### **AGR 8 - Introduction to Animal Production**

**3.0 units**

**CSU/UC (Unit limitation)**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture

This course is specifically designed for students planning to raise livestock on limited acreage or with limited resources, with emphasis placed on its importance in agriculture and to the local and national economy; common breeds, specialty breeds, terminology and cycles of production; and its importance and use of the basic sciences in the livestock industry.

### **AGR 9 - Food Animal Selection**

**3.0 units**

**CSU/UC (Unit limitation)**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

2 hours lecture/3 hours lab

An introductory survey of the factors involved in the evaluation of market and breeding livestock used for human consumption. Class activities will be a combination of lecture, visual appraisal, performance data, record keeping, and oral presentation. Introductory course does not require student to compete past the local level.

### **AGR 10 - Introduction to Animal Science**

**3.0 units**

**CSU/UC (Unit limitation)**

**Associate Degree Area A**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

2 hours lecture/3 hours lab

This is a course in principles of Animal Science. Topics will include anatomy, physiology, endocrinology, reproduction, molecular and classical genetics, animal health and animal behavior. The course will provide an overview of the origin, characteristics, adaptation and contribution of farm animals to the agriculture industry. Laboratory exercises will provide an introduction to the empirical method including data collection and analysis.

### **AGR 11 - Beef Cattle Production**

**3.0 units**

**CSU/UC (Unit limitation)**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

2 hours lecture/3 hours lab

Production of beef cattle in Northern California; principles and practices of purebred and commercial beef production on farm and range. Feeding, breeding management, housing, equipment, marketing, record keeping and other basic factors underlying successful beef production.

### **AGR 12 – Animal Health and Disease**

**3.0 units**

**CSU**

2 hours lecture/3 hours lab

Study of common livestock diseases and fundamentals of immunity; includes the livestock technicians role in promoting animal health and the foundation of disease control programs.

### **AGR 13 - Feeds and Feeding**

**3.0 units**

**CSU**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

2 hours lecture/3 hours lab

The science of animal nutrition; the fundamentals of digestion and absorption in both ruminants and non-ruminants is discussed. The nutritive value of feedstuffs as they related to the formulation of livestock rations will be emphasized.

### **AGR 14 – Equine Science**

**3.0 units**

**CSU/UC**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

34 hours lecture/51 hours lab

Survey of the equine industry, encompassing the evolution and role of the equine species throughout history, breed selection and development, nutrition, disease, preventative health, reproductive management, basic horsemanship and stabling alternative.



### **AGR 19 – Introduction to Soil Science**

**3.0 units**

**CSU**

2 hours lecture/3 hours lab

The study of soil, physical, chemical and biological properties. Soil classification, derivation, use, function and management; including erosion, moisture retention, structure, cultivation, organic matter and microbiology. Laboratory topics include soil type, classification, soil reaction, soil fertility and physical properties.

### **AGR 20 - Introduction to Plant Science**

**4.0 units**

**CSU/UC**

**CSU GE Area B2**

**IGETC Area 5B**

**Associate Degree Area A**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture/3 hours lab

This course is an introduction to plant science including structure, growth processes, propagation, physiology, growth media, biological competitors, and post-harvest factors of food, fiber, and ornamental plants.

### **AGR 21 - Theory of Rodeo Skills**

**1.0 unit**

**CSU**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

1 hours lecture

An introduction to the study of the fundamentals and techniques for participating, scoring and judging each of the nine men's and women's rodeo events. The rules and regulations of the Professional Rodeo Cowboy Association, Girls Racing Association, and National Intercollegiate Rodeo Association are covered. In addition, information on planning, financing, and management of a rodeo contest is presented.

### **AGR 21B - Intercollegiate Rodeo**

**3.0 units**

**CSU**

**Associate Degree Area E2**

**Recommended Preparation:** AGR 21

10 hours lab

Intercollegiate rodeo competition – men and women. Since skills/proficiencies are enhanced by supervised repetition and practice, this course is repeatable to a maximum of three enrollments but can only be taken once per year.

## **AGR 22 - Rodeo Skills**

**3.0 units**

**CSU**

9 hours lab

This course is an introduction and practice in the basics of Rodeo Skills. Since skills/proficiencies are enhanced by supervised repetition and practice, this course is repeatable to a maximum of three enrollments but can only be taken once per year.

## **AGR 23 - Western Riding and Training**

**2.0 units**

**CSU**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

1 hour lecture/3 hours lab

This course specializes in the many phases of Western riding and training. It will bring together material which is important to the student interested in horses as a career. This course will enable the student to show and compete more successfully in the horse industry. It prepares the student to enter the horse business as a riding instructor, trainer or manager.

## **AGR 24 - English Riding and Training**

**2.0 units**

**CSU**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

1 hour lecture/3 hours lab

This course specializes in the many phases of English riding and training. It will bring together material that is important to the student interested in horses as a career. This course will enable the student to show and compete more successfully in the horse industry. It prepares the student to enter the horse business as a riding instructor, trainer or manager. Skills and proficiencies in this course are enhanced by supervised repetition and practice within class periods.

## **AGR 30 - Team Roping**

**3.0 units**

**CSU**

10 hours lab

The study and practice of the fundamentals and techniques of the professional and amateur team roper. Includes safety, technique and horse mastership related to team roping. Skills and proficiencies in this course are enhanced by supervised repetition and practice within class periods.

## **AGR 31 - Bovine Embryo Transfer**

**3.0 units**

**CSU**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

2.5 hours lecture/1.5 lab

This course is designed to present Bovine Embryo Transfer subject matter in a seminar format. The embryo transfer process and how it relates to the cattle industry will be studied.

## **AGR 40 - Basic Agricultural Mechanics**

**3.0 units**

**CSU**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

1 hour lecture/6 hours lab

A course designed to teach basic skills required in a farm shop, which includes, but is not limited to equipment repair, metal work, hydraulics and farm construction.

## **AGR 41 - Farm Tractors and Farm Power 3.0 units**

**CSU**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

1 hour lecture/6 hours lab

The selection, use, application, operation, service, maintenance, adjustment and handling of minor repairs of wheel and track-type farm tractors. Principles of operation of internal combustion engines will be taught through practical application.

## **AGR 42 - Farm Surveying, Irrigation and Drainage**

**3.0 units**

**CSU**

1 hour lecture/6 hours lab

Student will be involved in irrigation and drainage problems concerning pumps, motors, sprinkler systems, pipe lines, ditches, and wells. The use of survey or leveling equipment will be applicable to this course as fields are preped for irrigation systems.



## **AGR 49 - Agricultural Work Experience 1.00–8.00 units**

**CSU**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

5-40 hours lab (R)

This course enables students with educational or career goals in agricultural, who are working in the field of agricultural to build related job specific skills through individualized learning objectives and enhance their workplace performance. Attendance of an on campus orientation session is required for all Work Experience enrollments. Students complete an online expanded orientation module addressing workplace success skills throughout the term. Subsequent enrollments require new individualized learning objectives. Units are awarded based upon achievement of approved learning objectives, workplace performance, submission of course assignments, and documentation of work hours. Enrollment in Work Experience courses is limited to a maximum of 16 units, including all Vocational, Occupational and General Work Experience enrollments. Title V specifies students will earn 1 unit of credit for each 75 hours paid work, and 1 unit of credit for each 60 hours volunteer work. This course has been approved for hybrid delivery

## **AGR 50 - Basic Riding**

**2.0 units**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

1 hour lecture/3 hours lab

A course designed to introduce horse care and basic western riding skills. This course covers not only the ability to ride, but an understanding of equipment, conformation, breeds, care and feeding.

## **AGR 51 - Horsemanship**

**2.0 units**

1 hour lecture/3 hours lab  
Intermediate Level: Utilizing natural horsemanship techniques to build confidence and communication between horse and rider. Special instruction in problem solving and preparing the horse and rider for trail horse obstacles, reining and cattle handling.

## **AGR 53 - Colt Training**

**2.0 units**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

1 hour lecture/3 hours lab

This course is designed to present beginning methods of colt training to include catching, creating trust, driving,



first ride, first 30 days and loading.

**AGR 57 - Beginning Horseshoeing**  
**3.0 units**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

2 hours lecture/4 hours lab

An introduction to the shoeing of horses, utilizing both hot and cold shoes. Also included will be the anatomy and physiology of the horse's hooves with the ability to identify blemishes and soundness. Use of the forge and the making of shoes from bar stock will be presented in addition to the instruction of actually shoeing horses.

**AGR 61 - Introduction to Bovine Reproduction**  
**1.5 units**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

1 hour lecture/1.5 hours lab

This course is designed to give students an understanding of bovine reproduction. This course will focus on the application of artificial insemination and estrous synchronization. During this course both male and female reproduction will be discussed. The course is designed to give students the ability to understand and master the skills of artificial insemination.

**AGR 70 - Rodeo Team Roping**  
**1.0 unit**

48 hours lab (1 week)

This course is designed for those students interested in expanding their skills in horsemanship, cattle work and team cooperation. This course is highly competitive and will address every phase of team roping. Skills and proficiencies in this course are enhanced by supervised repetition and practice within class periods.

**AGR 116 - Pesticide Update**  
**0.5 units**

**"Continuing Education Requirements"**

10 hours lecture (1 week) (R)

A course designed to update licensed pesticide personnel on changes in the pesticide industry, laws and regulations, and safety. Repeatable as necessary to maintain certification.

**AGR 122 - Rodeo Clinic**  
**0.5 units**

20 hours lab (1 week)

This course is designed to focus on the basics of Rodeo Skills in the basic events. The student will get a look at careers and career opportunities. This course will also include safety, along with event techniques.

## ANTHROPOLOGY

**ANTH 1 - Biological Anthropology**

**3.0 units**

**CSU/UC**

**CSU GE Area B2/IGETC Area 5B**

**Associate Degree Area A**

**C-ID ANTH 110**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture

This course introduces the concepts, methods of inquiry, and scientific explanations for biological evolution and its application to the human species. Issues and topics will include, but are not limited to genetics, evolutionary theory, human variation and biocultural adaptations, comparative primate anatomy and behavior and the fossil evidence for human evolution. This course has been approved for correspondence and online delivery.

**ANTH 2 - Cultural Anthropology**

**3.0 units**

**CSU/UC**

**CSU GE Area D1/IGETC Area 4A**

**Associate Degree Area B**

**C-ID ANTH 120**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture

Explore diversity of cultures through the unique methodologies of cultural anthropology. Investigate differences in language, economic systems, social structures, family, kinship, gender, politics, social and economic inequality, religion, worldview, racial and ethnic labels, globalization and art. Ethnographic case studies will be used to highlight similarities and differences among the 1200 cultures of the world. Students will be introduced to types of work anthropologists perform including research practices and standard professional ethics. This course has been approved for correspondence and online delivery.



**ANTH 3 - Introduction to Archaeology**

**3.0 units**

**CSU/UC**

**CSU GE Area D1/IGETC Area 4A**

**Associate Degree Area B**

**C-ID ANTH 150**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture

A survey of human world history and prehistory as identified by the archaeological record. Emphasis is placed on major changes in human technological, economic and social development over the course of two million years of the human material record, including such topics as the history of archaeology, ethics involved in research, types of data used, theory and methodology, dating techniques, methods of survey and site excavation, analysis and interpretations, and reasons to preserve the past. The methods and techniques of archeology are studied so that students develop an understanding of how archeologists reconstruct the past and interpret the complexity of stones, bones, ceramics and buildings uncovered during archeological excavations. Case studies from the excavation of major archaeological sites around the world are examined and discussed as examples.

## ART

**ART 1A - Two-Dimensional Design**

**3.0 units**

**CSU/UC**

**CSU GE Area C1**

**Associate Degree Area C**

**C-ID ARTS 100**

**Recommended Preparation:**

Successful completion of ENGL105 or equivalent assessment placement.

1.5 hours lecture/4.5 hours lab

An introductory (no previous art experience required) studio design course based on communicating visually through practical applications of design, line, color, balance, texture, spacial relationships and imagery in two dimensions. Traditional mediums and digital imaging using industry standard Adobe software will be emphasized. Graphic design, commercial art, and fine art principles will be explored from historical, aesthetic and cultural points of view. To cover the costs of printing each project assignment, a \$10.00 lab fee will be charged at the time of registration. Students must provide additional materials and supplies at an estimated cost of \$125

### **ART 1B - Three-Dimensional Design**

**3.0 units**

**CSU/UC**

**CSU GE Area C1**

**Associate Degree Area C**

**C-ID ARTS 101**

**Recommended Preparation:** Art 1A, Successful completion of ENGL105 or equivalent assessment placement.  
1.5 hours lecture/4.5 hours lab  
An introductory (no previous art experience required) studio design course based on communicating visually through practical applications of design, color, spatial relationships and imagery in three dimensions. Traditional mediums and digital imaging using industry standard computer software will be emphasized. Graphic design, commercial art and fine art principles will be explored from historical, aesthetic and cultural points of view. To cover materials cost including printing, a \$10.00 lab fee will be charged at the time of registration.

### **ART 2 - Drawing**

**3.0 units**

**CSU/UC**

**CSU GE Area C1**

**Associate Degree Area C**

**C-ID Arts 110**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.  
1.5 hours lecture/4.5 hours lab  
An introductory (no previous art experience necessary) drawing class using a variety of drawing materials to portray a variety of subjects. Realism will be emphasized, but other methods such as Cubism and Non-Representationalism will be explored, and students will be encouraged to develop their own style. The elements and principles of drawing will be presented from historical, cultural, aesthetic and technical points of view. This course has been approved for correspondence delivery. To cover the costs of printing, a \$10.00 lab fee will be charged at the time of registration.



### **ART 3 - Beginning Life Drawing**

**3.0 units**

**CSU/UC**

**CSU GE Area C1**

**Associate Degree Area C**

**C-ID Art 200**

**Recommended Preparation:** ART-2 Drawing  
1.5 hour lecture/4.5 hours lab  
An introduction to figure drawing, from the clothed and nude model in short and extended poses, using a variety of drawing techniques and media. The elements and principles of figure drawing will be presented from historical, cultural, aesthetic and technical points of view.

### **ART 4A - Beginning Photography**

**3.0 units**

**CSU/UC**

**CSU GE Area C1**

**Associate Degree Area C**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.  
1.5 hour lecture/4.5 hours lab  
A course in basic black and white photographic principles including exposing the film, processing the negative, printing in the darkroom, and print presentation. Photography as fine art and as a commercial application will be emphasized. Technical, aesthetic, cultural and historic points of view will be covered from traditional to digital elements. To cover the costs of film, toner, paper and other materials, a \$10.00 lab fee will be charged at the time of enrollment.

### **ART 4B - Intermediate Photography**

**2.0 units**

**CSU/UC**

**Prerequisite:** Art 4A Beginning Photography  
6 hours lab  
A course including intermediate black and white photographic techniques such as use of filters, split printing, advanced exposure methods and macro photography. Photography as a fine art and as a commercial application will be emphasized. Technical, aesthetic, cultural and historical points of view will be covered. To cover the cost of film, toner, paper and other materials a \$10.00 lab fee will be charged at the time of enrollment.

### **ART 4C - Advanced Photography**

**2.0 units**

**CSU**

**Prerequisite:** Art 4B Intermediate Photography  
6 hours lab

Advanced black and white photographic concepts discussed from aesthetic and technical points of view. The emphasis is on photography as an art form. Outside photographic type of research will be required. To cover the cost of film, toner, paper and other materials a \$10.00 lab fee will be charged at the time of enrollment.

### **ART 4D - Portfolio Photography**

**2.0 units**

**CSU**

**Prerequisite:** Art 4C Advanced Photography  
6 hours lab  
Advanced black and white photographic concepts explored from aesthetic and technical points of view with the aim of producing a portfolio of work demonstrating an individual style for presentation and exhibition. The emphasis is on photography as an art form. Outside photographic type of research will be required. To cover the cost of film, toner, paper and other materials a \$10.00 lab fee will be charged at the time of enrollment.

### **ART 6 - Survey of Art History, Prehistoric To Renaissance**

**3.0 units**

**CSU/UC**

**CSU GE Area C1/IGETC Area 3A**

**Associate Degree Area C**

**C-ID ARTH 110**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.  
3 hours lecture  
An introductory survey of the visual arts most relevant to the development of western civilization from prehistoric through the Italian portion of the Renaissance. Comparisons and contrasts with arts of other cultures will be explored. In addition to historic and cultural viewpoints, technical and aesthetic points of view will be covered.

**ART 7 - Survey of Art History, Renaissance through Contemporary**  
**3.0 units**  
**CSU/UC**  
**CSU GE Area C1/IGETC Area 3A**  
**Associate Degree Area C**  
**C-ID ARTH 120**

**Recommended Preparation:**

Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture

An introductory survey of the visual arts most relevant to the development of western civilization, from Renaissance through Contemporary art. Comparisons and contrasts with arts of other cultures will be explored. In addition to historic and cultural viewpoints, technical and aesthetic points of view will be covered.

**ART 8 - Art Appreciation**

**3.0 units**

**CSU/UC**

**CSU GE Area C1/IGETC Area 3A**  
**Associate Degree Area C**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture

An introductory course for both the general interest and art major student. A survey of the role of the visual arts in society. Art theory, practices and an overview of the history of art will be covered with examples from many cultures. This course has been approved for correspondence and on-line delivery.

**ART 9 - History of Asian Art**

**3.0 units**

**CSU/UC**

**CSU GE Area C1/IGETC Area 3A**  
**Associate Degree Area C**  
**C-ID ARTH 130**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

3 hour lecture

An introduction to major art forms and traditions in Asia from prehistory to the present. Artists, patrons, cultures, religions, and their interactions will be covered. Comparisons will be drawn between the course material and other artistic traditions.

**ART 10A - Beginning Painting**

**3.0 units**

**CSU/UC**

**CSU GE Area C1**

**Associate Degree Area C**

**C-ID ARTS 210**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

1.5 hour lecture/4.5 hours lab

A beginning (no previous art experience necessary) studio course in oil, acrylic, and watercolor painting techniques and materials. A variety of subject matter such as still life, landscape, wildlife and human figure will be explored. Emphasis will be on realistic representation, but other methods will be studied. Technical, historical, aesthetic and cultural points of view will be considered. To cover costs for materials used in beginning assignments a \$10.00 lab fee will be charged at the time of enrollment.

**ART 10B - Intermediate Painting**

**2.0 units**

**CSU**

**Prerequisite:** Art 10A Beginning Painting  
6 hours lab

This course is designed as a studio course in oil, acrylic, or watercolor painting building upon basic techniques. Intermediate materials and techniques will be explored. Historical, aesthetic, and cultural points of view will be considered.

**ART 10C - Advanced Painting**

**2.0 units**

**CSU**

**Prerequisite:** Art 10B Intermediate Painting  
6 hours lab

This course is designed as a studio course in oil, acrylic, or watercolor painting building upon intermediate techniques. Advanced materials and techniques will be explored. The student will experiment with various methods and styles in beginning to develop a personal style. Historical, aesthetic, and cultural points of view will be considered.

**ART 10D - Portfolio Painting**

**2.0 units CSU**

**Prerequisite:** Art 10C Advanced Painting  
6 hours lab

This course is designed as a studio course in oil, acrylic, or watercolor painting expanding upon advanced techniques. Advanced materials and techniques will be explored. The student will experiment with various personal styles and execute a body of work for exhibition/presentation. Historical, aesthetic, and cultural points of view will be considered.

**ART 12 - Art Gallery Operation and Exhibition Design**

**3.0 units CSU**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

2 hours lecture/3 hours lab

The theory and function of an art gallery public display and exhibition design. Students will schedule and arrange art exhibits in the Lassen Community College art gallery, and other selected locations, with the emphasis of gallery operations and the business of publicity, mailings, curating, and receptions. Students will also explore Exhibition design, layout, proposals, and model creation. Students must provide additional materials and supplies at an estimated cost of \$70.

**ART 13 - Lettering Design/Typography**

**3.0 units CSU**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement. ART 1A Dimensional Design.

2 hour lecture/3 hours lab

An introduction to the basic principles of typography/font and text design for personal and commercial use. Basic anatomy of letterforms, the alphabet, design elements, techniques, and terminology will be explored and applied using traditional and digital methods with industry standard Adobe software. Aesthetic, historic, and cultural viewpoints will be considered with regard to typography as it applies to fine and commercial art. To cover the costs of proof printing, a \$10.00 lab fee will be charged at the time of registration. All Students will provide additional materials at an estimated cost of \$70

**ART 16 - Digital Layout: Designing for Publication**

**3.0 units CSU**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

1.5 hours lecture/4.5 hours lab

Offers the methods and techniques for creating a wide variety of computer graphics and digital images through the use of Adobe InDesign and other supporting Adobe CS programs. Covers various aspects of, layout designs, text and imaging for print media and desktop publishing. To cover the costs of printing each project assignment, a \$10.00 lab fee will be charged at the time of registration.



## **ART 18 - Advanced Life Drawing**

**1.0 unit**

**CSU/UC**

**Associate Degree Area C**

**Prerequisite:** Art 3 Beginning Life Drawing

2 hours lab

A course in advanced human figure drawing, using live models in a variety of poses. A variety of drawing and painting mediums will be used. Various drawing methods will be explored, and the student will be encouraged to develop a personal style. Drawing the human figure will be considered from technical, aesthetic, historical and cultural viewpoints.

## **ART 19A - Beginning Digital Photography**

**2.0 units**

**CSU**

**Recommended Preparation:**

Successful completion of ENGL105 or equivalent assessment placement.

1 hour lecture/3 hours lab

An introductory course in digital photography digital image capture. Basic photographic composition and subject matter, basic digital camera operation, and beginning image manipulation using Adobe Photoshop and/or Photoshop Elements will be covered. Photography as a fine art and as a commercial application will be explored. Technical, aesthetic, cultural, and historic points of view will be considered. To cover the costs of printing, a \$10.00 lab fee will be charged at the time of enrollment.

## **ART 19B - Intermediate Digital Photography**

**1.0 unit**

**CSU**

**Prerequisite:** Art 19A Beginning Digital Photography

3 hours lab

An intermediate course in digital photography digital image capture. Intermediate photographic composition and subject matter, digital camera operation, and image manipulation using Adobe Photoshop and/or Photoshop Elements will be covered. Photography as a fine art and as a commercial application will be explored. Technical, aesthetic, cultural, and historic points of view will be considered. To cover the costs of printing, a \$10.00 laboratory fee will be charged at the time of registration.

## **ART 19C - Advanced Digital Photography**

**1.0 unit**

**CSU**

**Prerequisite:** Art 19B Intermediate Digital Photography

3 hours lab

An advanced course in digital photography digital image capture. Advanced photographic composition and subject matter, digital camera operation, and image manipulation using Adobe Photoshop and/or Photoshop Elements will be covered. Photography as a fine art and as a commercial application will be explored. Technical, aesthetic, cultural, and historic points of view will be considered. To cover the costs of printing, a \$10.00 laboratory fee will be charged at the time of registration.

## **ART 19D - Portfolio Digital Photography**

**1.0 unit**

**CSU**

**Prerequisite:** Art 19C Advanced Digital Photography

3 hours lab

An advanced digital photography course with the aim of producing a portfolio of work demonstrating a personal style for presentation and exhibition. Photography as a fine art and as a commercial application will be explored. Technical, aesthetic, cultural, and historic points of view will be considered. To cover the costs of printing, a \$10.00 laboratory fee will be charged at the time of registration.

## **ART 23 - Beginning Printmaking**

**3.0 units**

**CSU**

**C-ID ARTS 220**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement, ART 2 Drawing.

1.5 hour lecture/4.5 hours lab

An introduction to traditional and contemporary approaches to intaglio (etching), relief (woodcut and linocut), serigraphy (silkscreen) and monoprint printmaking. A variety of subject matter will be explored. Technical, historical, aesthetic and cultural points of view will be considered.

## **ART 25 - Computer Graphics**

**3.0 units**

**CSU/UC**

**C-ID ARTS 250**

**Associate Degree Area C**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement; ART 1A Two-Dimensional Design, ART 19A Beginning Digital Photography

2 hours lecture/3 hours lab

A visual Communication course using image generation/manipulation and text components in Adobe Photoshop. The integration of images, text, and graphics will be conceptualized then utilized to produce commercial based products such as posters, ad campaigns, product packaging, and cover designs.

Production, printing, presentation and critiques, emphasizing the six step design process, basic design principles, personal expression through digital graphic design processes will be used to meet critical deadlines. To cover the costs of printing proofs for each project assignment, a \$10.00 lab fee will be charged at the time of registration. Students must provide additional materials at an estimated cost of \$70.

## **ART 28 - Intro to Web Page Design**

**3.0 units**

**CSU**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement; ART 25 Computer Graphics

2 hours lecture/3 hours lab

An introductory course in designing for the web. Students will design effective pages and ads for websites, mobile devices, and explore social media using the six step design process, wire framing, and Adobe programs. Vocabulary, building strong conceptual design elements and basic processes will be emphasized. A \$10.00 lab fee for proof printing of each design phase will be charged at time of registration. Students must provide additional materials at an estimated cost of \$70.



**ART 30 - Introduction to Sculpture****3.0 units****CSU/UC****CSU GE Area C1****Associate Degree Area C****Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

1.5 hours lecture/4.5 hours lab

A course introducing contemporary art issues, historical overview, and aesthetic problem solving, utilizing a variety of materials, and common techniques familiar to sculpture and 3-dimensional design as well as material use to render in the fashion of virtual three-dimensional rendering.

**ART 35 - Glass Design****2.0 units****CSU/UC****Associate Degree Area C****Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

1 hour lecture/3 hours lab

Instruction in elements of design in glass. Contemporary glass art issues, historical overview and aesthetic problem solving, utilizing a variety of glass fabrication techniques. To cover the costs of required processing materials, a \$10.00 lab fee will be charged at the time of enrollment.

**ART 36A - Beginning Ceramics****3.0 units****CSU/UC****CSU GE Area C1****Associate Degree Area C****Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

1.5 hour lecture/4.5 hours lab

A beginning course in ceramics exploring basic handbuilding and wheelthrowing techniques. Basic methods of forming, decorating, glazing and firing ceramic materials will be covered. The elements and principles of ceramics will be presented from historical, cultural, aesthetic, and technical points of view. To cover the cost of glazes, a \$10.00 lab fee will be charged at the time of enrollment.

**ART 36B - Intermediate Ceramics****2.0 units****CSU/UC****Prerequisite:** Art 36A Beginning Ceramics

6 hours lab

Further development of hand-building, and wheel-throwing, clay, glazes and firing processes. Aesthetic exploration of ideas. To cover the cost of glazes, a \$10.00 lab fee will be charged at the time of enrollment.

**ART 36C - Advanced Ceramics****2.0 units****CSU****Prerequisite:** Art 36B Intermediate Ceramics

6 hours lab

Advanced development of hand-building and/or wheel-throwing techniques, clay, glazes and firing processes. Beginning to develop a personal style in ceramics. To cover the cost of glazes, a \$10.00 lab fee will be charged at the time of enrollment.

**ART 36D - Portfolio Ceramics****2.0 units****CSU****Prerequisite:** Art 36C Advanced Ceramics

6 hours lab

Advanced development of handbuilding and/or wheelthrowing techniques, clay, glazes, and firing processes. Continuing to develop a personal style in ceramics. Producing a body of work for presentation/exhibition. To cover the cost of glazes, a \$10.00 lab fee will be charged at the time of enrollment.

**ART 43A - Beginning Jewelry and Metalsmithing****2.0 units****CSU****Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

1.5 hour lecture/4.5 hours lab

An introductory jewelry course with focus on the fundamentals of hand-fabricated and cast jewelry plus basic metalsmithing. Processes will include soldering, riveting, hammer forming and other fundamental methods suitable for but not limited to jewelry. The elements and principles of jewelry design will be presented from historical, cultural, aesthetic, and technical points of view. This course requires a \$10.00 laboratory fee to cover the costs of metals and soldering, which is collected at the time of enrollment.

**ART 43B - Beginning Jewelry Design: Casting****2.0 units****CSU****Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

1 hour lecture/3 hours lab

An introductory class in producing jewelry using casting processes including pouring, centrifuge, vacuum casting, and other basic methods. Drawing designs and stone cutting and setting will be included. To cover the costs of metals and soldering, a \$10.00 materials fee will be charged at the time of enrollment.

**ART 43C - Intermediate Jewelry Design****1.0 unit****CSU****Prerequisite:** Art 43A Beginning Jewelry and Metalsmithing or Art 43B Beginning Jewelry Design: Casting

3 hours lab

An intermediate jewelry design class using refined production methods learned in beginning jewelry design to producing body ornaments. Focus will be on concept and design incorporating complex methods of construction that emphasize craftsmanship, aesthetics, and individual taste. To cover the costs of metals and soldering, a \$10.00 materials fee will be charged at the time of enrollment.

**ART 43D - Advanced Jewelry Design****1.0 unit****CSU****Prerequisite:** Art 43C Intermediate Jewelry Design

3 hours lab

A class in advanced jewelry design with emphasis on professional aspects design and construction including stone setting, choice of metals, finish, wearability, and unity of piece. A professional formal portfolio using photographs and descriptions will be produced. Students will be encouraged to submit work to competitions and local sales venues. To cover the costs of metals and soldering, a \$10.00 materials fee will be charged at the time of enrollment.

**ART 46 - Art Education Methods****2.0 units****CSU****Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

1.5 hours lecture/1.5 hours lab

A series of art experiences designed for use by teachers, elementary education majors, and community youth leaders.





**ART 49 - Art Work Experience**  
**1.0-8.0 units**  
**CSU**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

5-40 hours lab (R)

This course enables students with educational or career goals in art, who are working in the field of art, to build related job specific skills through individualized learning objectives and enhance their workplace performance. Attendance of an on campus orientation session is required for all Work Experience enrollments. Students complete an online expanded orientation module addressing workplace success skills throughout the term. Subsequent enrollments require new individualized learning objectives. Units are awarded based upon achievement of approved learning objectives, workplace performance, submission of course assignments, and documentation of work hours. Enrollment in Work Experience courses is limited to a maximum of 16 units, including all Vocational, Occupational and General Work Experience enrollments. Title V specifies students will earn 1 unit of credit for each 75 hours paid work, and 1 unit of credit for each 60 hours volunteer work. This course has been approved for hybrid delivery.

**ART 50 – Welding for Artists**  
**(History of Welded Sculpture)**

**1.0 unit**

**Co-requisite:** WT-50 Welding for Artists (Design and Fabrication)

17 hours lecture (R)

Welding for artists is designed to introduce students to art sculpture with an emphasis on fabricated and welded steel designs from a historic and contemporary perspective. This class will focus on welding and metal fabrication as a fine art medium.

This course is being offered in conjunction with WT-50, a two unit lab class and must be taken simultaneously for combined three-units.

**ART 52 - Marketing Yourself as an Artist/Designer**  
**2.0 units**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

1 hour lecture/3 hours lab

A practical application course on marketing oneself as an Artist and/or Designer. Students will build a resume, CV, cover letter, personal statements, the development of a traditional and digital portfolio, and more to enhance their business skills. A business component will review starting your own business and the basic skills necessary to compete in the global world. Job opportunities, careers, and higher education pathways will be explored. Students will learn the dos and don'ts of interviewing through a mock interview process. To cover the costs of printing samples, a \$10.00 lab fee will be charged at the time of registration. Students must supply additional materials and supplies estimated to cost \$145.

**ART 60A - Production Graphics**  
**3.0 units**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

Art 25 Computer Graphics, Art 1A Two-Dimensional Design, Art 13 Lettering Design/Typography

2 hours lecture/3 hours lab

A course designed to give real world experience to students who will produce in-house digital graphics for Lassen Community College using industry standard Adobe CC-software and iMac Computers. The entire process from job procurement, conception, and production will be done by the students under the direction of a senior level student. Jobs will include: client relations, design concepts, implementation of the six step design process and print production of signage, fliers, posters, banners, and promotional material. A \$10.00 lab fee will be charged at the time of registration to cover the cost of proof printing for student's portfolio samples. Students must provide additional materials at an estimated cost of \$70.

**ART 60B - Advanced Production Graphics**  
**2.0 units**

**Recommended Preparation:** ART 60A Production Graphics

1 hour lecture/3 hours lab

An advanced course designed to give real world experience to advanced Digital Graphic Design students who will direct apprentice students to produce in-house digital graphics for Lassen Community College using industry standard Adobe CC software and iMac Computers. The entire process from job procurement, conception, and production will be directed by the advanced students with instructor supervision. Jobs will include: Leadership in directing apprentice designers, client relations, design concepts, implementation of the six step design process and print production of signage, fliers, posters, banners, and promotional material. A \$10.00 lab fee will be charged at the time of registration to cover the cost of proof printing for student's portfolio samples. Student must provide additional materials at an estimated cost of \$70.

**ART 64 - Digital Illustration**  
**3.0 units**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

ART 2 Drawing or ART 10 Beginning Painting and ART 1A Two-Dimensional Design

1.5 hours lecture/3.5 hours lab

A course that explores conceptual designs, image generation, manipulation, coloring, and effects for print and web media using Adobe CC programs. Students will develop vector images for logo designs, Icons, Avatars, ClipArt, ads, character development, basic storyboarding, as well as, merging bitmap generated renderings with the application of a pressure tablet. Students will draw, paint, airbrush, scan and apply special effects and filters with the tools available within the Adobe Creative Cloud. Basic design principles, six step design process and personal expression will be used to create powerful conceptual imagery. To cover the costs of printing each project assignment a \$10.00 lab fee will be charged at the time of registration. Students must provide additional materials and supplies at an estimated cost of \$70.



## **ART 65 - Advanced Web Page Design**

**2.0 units**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement. ART 25

Computer Graphics, Art 28 Intro to Web Page Design

1 hour lecture/3 hours lab

An advanced course in designing, constructing, uploading, and maintaining web pages using industry standard Adobe software. Students will design effective web pages and build them using Adobe CC programs, incorporating images from Photoshop and Flash animation. Students will work with Cascading Style Sheets (CSS), Forms, Data Base information, complex linking and dynamic websites. Product photography for the web will be explored with an emphasis on corporate/retail business. A \$10.00 lab fee for printing of each design phase will be charged at time of registration. This course has been approved for hybrid delivery.

## **ART 130 - Mural Painting Workshop**

**1.0 unit**

48 hours lab

This is a hands-on introduction course to the art of mural painting from conception to execution. Organizational skills, surface preparation and preservation will be covered. Students must supply materials and supplies at an estimated cost of \$15.

## **ASTRONOMY**

### **ASTR 1 - Introduction to Astronomy**

**4.0 units**

**CSU/UC**

**CSU GE Area B1 B3**

**IGETC Area 5A 5C**

**Associate Degree Area A**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture/3 hours lab

A survey of astronomy including the solar system, stars and stellar evolution, the Milky Way, galaxies, the universe and cosmology.

## **AUTOMOTIVE TECHNOLOGY**

### **AT 49 - Automotive Technology Work Experience 1.0-8.0 units**

**CSU**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

5-40 hours lab (R)

This course enables students with educational or career goals in automotive technology, who are working in the field of automotive technology to build related job specific skills through individualized learning objectives and enhance their workplace performance. Attendance of an on campus orientation session is required for all Work Experience enrollments.

Students complete an online expanded orientation module addressing workplace success skills throughout the term.

Subsequent enrollments require new individualized learning objectives. Units are awarded based upon achievement of approved learning objectives, workplace performance, submission of course assignments, and documentation of work hours. Enrollment in Work Experience courses is limited to a maximum of 16 units, including all Vocational, Occupational and General Work Experience enrollments. Title V specifies students will earn 1 unit of credit for each 75 hours paid work, and 1 unit of credit for each 60 hours volunteer work. This course has been approved for hybrid delivery.

### **AT 50 – Car Care Basics**

**3.0 units**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

2 Hours Lecture, 3 Hours Lab

This course was designed to: 1. Introduce shop procedure and safety to the student; 2. Give students the skills to perform vehicle maintenance and basic roadside repairs; 3. Give students the skills to diagnose and repair minor vehicle malfunctions. The course has been approved for Hybrid delivery.

### **AT 54 - Brakes**

**3.0 units**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

1 hour lecture/6 hours lab

This course is designed to provide the student with skills in automotive brakes; disassembly and repair of drum, disc, hydraulic systems, including power and manual brakes. Several anti-lock brake systems (ABS) will be covered. Machining of drums, rotors, and adjustments will also be studied. This course adheres to NATEF (National Automotive Technician Education Foundation) standards.

### **AT 56 - Steering and Suspension**

**3.0 units**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

1 hour lecture/6 hours lab

This course is designed to provide the student with skills in alignment of front ends and rear wheel alignment where applicable and inspection and repair of steering and suspension components. Basic and computerized equipment will be utilized. The contents of this course conforms to NATEF (National Automotive Technician Education Foundation) standards for steering and suspension.

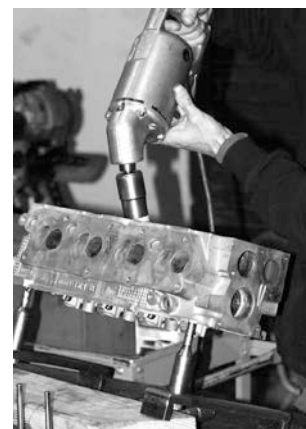
### **AT 58 – Automotive Heating and Air Conditioning**

**3.0 units**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

1 hour lecture/6 hours lab

This course is designed to provide the student with theory and operation of common air conditioning and heating systems including diagnosis and repair and recovery of R-12 and 134A refrigerants.



## **AT 60 – Shop Management and Service Writer**

**2.0 units**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

2 hour lecture

This course is designed to provide the student with the skills needed to write service at an automotive repair shop. Shop management techniques will also be covered. Communication, organization, and filling out repair orders to meet all legal requirements will be emphasized.

## **AT 64 – Diesel Repair and Maintenance**

**3.0 units**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

2 hours lecture/6 hours lab (R)

This course was designed to provide the student with the skills needed to diagnose and repair common malfunctions found in diesel engines and other light diesel systems. Preventive maintenance procedures will also be emphasized.

## **AT 66 - Manual Drive Train**

**4.0 units**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

2 hours lecture/6 hours lab (R)

This course is designed to provide the student with theory and practical experience in operation, repair and adjustment of common manual transmissions, drive lines, differentials, transfer cases and 2 and 4-wheel drive systems. Clutches, wheel bearings and axle repair will also be studied.

## **AT 68 - Automatic Transmissions**

**3.0 units**

**Recommended Preparation** Successful completion of ENGL105 or equivalent assessment placement.

1 hour lecture/6 hours lab

This course is designed to provide the student with theory and operation of common automatic transmissions including diagnosis, adjustment and repair of common automatic transmission problems.

## **AT 70 - General Automotive Lab**

**2.0 units**

**Corequisite:** Student must be enrolled in one additional automotive course that has a safety component.

6 hours lab (R)

This course is designed to provide the student with skills in developing increased

speed, accuracy, and expertise in all phases of automotive training.

## **AT 72 - Engine Repair and Machining-Short Blocks**

**4.0 units**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

2 hours lecture/6 hours lab

This course is designed to prepare the student with basic, through increasingly advanced, skills in overhaul procedures for the owner or rebuilder. Safety, basic hand tools, engine removal and replacement, cleaning techniques, disassembly and assembly of engine components, measuring, diagnosis of oil consumption and poor performance with corrective measures will be covered. Emphasis will be on gasoline engine overhaul as it relates to home, small farm shop, and commercial shop.

## **AT 74 - Engine Repair and Machining-Cylinder-Heads**

**3.0 units**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

1 hours lecture/6 hours lab

This course is designed to prepare the student with basic, through increasingly advanced, skills in overhaul procedures for the owner or rebuilder. Safety, basic hand tools, cylinder head removal and replacement, cleaning techniques, disassembly and assembly of cylinder head components, measuring, diagnosis of oil consumption and poor performance with corrective measures will be covered. Emphasis will be on cylinder head overhaul as it relates to home, small farm shop, and commercial shop.

## **AT 76 - Automotive Machining Lab**

**2.0 units**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

6 hours lab

This course is designed to provide the student with common automotive machine shop experiences. Precision machinery techniques will be emphasized with blueprinting methods used where appropriate. This course is to be taken concurrently with AT-72 Engine Repair Short Block and Machining or AT-74 Engine Repair and Machining—Cylinder Heads.

## **AT 80 – Basic Electrical**

**3.0 units**

**Prerequisite:** MATH-103 Elementary Algebra

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

2 hours lecture/3 hours lab

This course is designed to provide the student with theory, diagnosis and repair of chassis electrical systems. Extensive use of voltmeters, ohmmeters, and short circuit testers, and common testing tools will be emphasized. Isolate a malfunction to a specific system in which a fault exists.

## **AT 82 – Engine Performance I**

**3.0 units**

**Prerequisite:** AT-80 Basic Electrical  
**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

2 hours lecture/3 hours lab

This course was designed to provide the student basic engine performance diagnostic and repair skills. Testing with various meters and shop equipment will be studied. Ignition and fuel system principles and diagnosis will be emphasized.

## **AT 84 – Engine Performance II**

**3.0 units**

**Prerequisite:** AT-82 – Engine Performance I

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

2 hours lecture/3 hours lab

This course is designed to provide the student with advanced theory, diagnosis, and repair of various control modules, computer sensors and circuits. Extensive use of various meters, lab scopes, and other shop equipment will be used. Vehicle on-board diagnosis systems will be emphasized.

## **AT 88 – Vintage Vehicle Repair**

**3.0 units**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

1 hours lecture/6 hours lab

This course is designed to provide the student with work in testing machines in ignition systems, conventional and electronic, fuel adjustments, and carburetor overhaul. Older vehicles will be covered with emphasis on manufacturer's tune-up techniques. The course will contain classroom instruction, demonstrations, as well as hands-on work in the Automotive Lab.



## **AT 90 – Automotive Survival**

### **1.0 unit**

3 – 6 hour seminars

This is an introductory seminar course designed for the novice from the stand-point of owner survival in the marketplace.

Automotive vocabulary, preventive maintenance, and consumer issues will be addressed.

## **AT 90A – Automotive Survival Lab**

### **0.5 units**

**Recommended Preparation:** AT 90

Automotive Survival

4 – 6 hour seminars

The course is designed to provide the student with hands on experience in the areas of vehicle maintenance, preventive maintenance, minor tune-up, and simple adjustments.

## **AT 91 – Smog Check Training**

### **Level 2 32-Hour Course**

#### **1.0 unit**

**Prerequisites:** Prior to taking the Smog Check Training, students must either satisfy BAR specified criteria, as listed below, or successfully complete the Level 1 Engine and Emission Controls Fundamentals Training. BAR specified requirements: Possess ASE A6, A8 and L1 certification; or possess an AA/AS degree or Certificate in automotive technology and have 1 year experience; or have 2 years' experience and have completed BAR specified training.

8 hours lecture/24 hours lab (4 days)

The Smog Check Training 32 Hour Course is intended to provide students the knowledge, skills, and abilities needed to perform Smog Check inspections.

Students who successfully complete this training will have met the California State Bureau of Automotive Repair's training requirements to qualify to take the Smog Check Inspector state licensing examination.

## **AVIATION**

### **AERO 1A - Aviation Ground School**

#### **3.0 units**

#### **CSU**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture

An aviation ground school course specifically designed to provide complete explanations of aeronautical concepts. It is designed to prepare the student for the Federal Aviation Administration (FAA) written examinations dealing with Visual Flight Rules (VFR) and the Private Pilot License.

## **BIOLOGY**

### **BIOL 1 - Principles of Molecular and Cellular Biology**

#### **4.0 units**

#### **CSU/UC**

#### **CSU GE Areas B2 B3**

#### **IGETC Area 5B 5C**

#### **Associate Degree Area A**

#### **C-ID BIOL 190**

**Prerequisite:** CHEM 1A General Chemistry I & MATH 60 Intermediate Algebra or equivalent placement through the assessment process.

3 hours lecture/3 hours lab

A course in principles of biology, with special emphasis given to molecular and cellular biology. Topics include the chemical basis of life, prokaryotic and eukaryotic cells, structure and function, cell metabolism, cellular communication, classical genetics, molecular genetics, and biotechnology. This course is designed to meet the core requirements for biology and related majors. (This course is the recommended preparation for Bio 4, Biol 20, and Biol 25.) This course has been approved for hybrid (online/traditional) delivery.

### **BIOL 4 - Principles of Evolutionary, Organismal, and Ecological Biology**

#### **5.0 units**

#### **CSU/UC**

#### **CSU GE Areas B2 B3**

#### **IGETC Area 5B 5C**

#### **Associate Degree Area A**

#### **C-ID BIOL 140**

**Prerequisite:** Math 60 or equivalent placement through the assessment process.

**Recommended Preparation:** Biology 1  
3 hours lecture/6 hours lab

A course in principles of biology, with special emphasis given to evolution, organismal and ecological biology. Topics include evolution, classification, diversity of life; (unicellular and multicellular organisms); animal fungus and plant structure, development and function; and ecological relationships. This course is designed to meet the core requirements for biology and related majors.



### **BIOL 10 - Natural History of Plants & Animals**

#### **4.0 units**

#### **CSU/UC (Unit limitation)**

#### **CSU GE Areas B2 B3**

#### **IGETC Area 5B 5C**

#### **Associate Degree Area A**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture/3 hours lab

An introductory course dedicated to the study of natural environments by integrating lecture, laboratory and field experiences. Emphasis is placed on the natural history of local forms of plants and animals, their ecological relationships, identification techniques and the integrity of nature.

### **BIOL 20 - Microbiology**

#### **5.0 units**

#### **CSU/UC**

#### **CSU GE Areas B2 B3**

#### **IGETC Area 5B 5C**

#### **Associate Degree Area A**

**Recommended Preparation:** BIOL 1 - Biology 1

3 hours lecture/6 hours lab

This is an introductory course covering the biology (morphology, anatomy, physiology, classification, identification and development) of micro-organisms (viruses, protozoa, parasitic worms, algae, fungi, with emphasis on bacteria), their significance and their role in human affairs.

### **BIOL 25 - Human Anatomy and Physiology I**

#### **4.0 units**

#### **CSU/UC**

#### **CSU GE Areas B2 B3**

#### **IGETC Area 5B 5C**

#### **Associate Degree Areas A E1**

#### **C-ID BIOL 115S**

**Recommended Preparation:** English 105 or equivalent placement through the assessment process, Math 60 - Intermediate Algebra or the equivalent placement through the assessment process. Biology 1 and Chem 1A

3 hours lecture/3 hours lab  
First semester of a two semester sequence covering structure and function, integration and homeostasis of the human body body at the cellular, tissue organ, organ system and organism level. This semester includes the integumentary, skeletal, muscular, nervous and sensory systems. This course has been approved for hybrid (online/traditional) delivery.

## **BIOL 26 - Human Anatomy and Physiology II**

**4.0 units**

**CSU/UC**

**CSU GE Areas B2 B3**

**IGETC Area 5B 5C**

**Associate Degree Areas A E1**

**C-ID BIOL 115S**

**Prerequisite:** BIOL 1 – Biology I or BIOL

25 Human Anatomy and Physiology I

3 hours lecture/3 hours lab

Second semester of a two semester sequence covering the structure and function, integration and homeostasis of the human body at the cellular, tissue organ, organ system and organism level. This semester includes the cardiovascular, lymphatic, immune, respiratory, urinary, digestive, endocrine and reproductive systems. This course has been approved for hybrid (online/traditional) delivery.

## **BIOL 32 - General Life Science**

**3.0 units**

**CSU/UC (unit limitation)**

**CSU GE Area B2/IGETC Area 5B**

**Associate Degree Area A**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture

A general survey of the living world with emphasis on the basic biological principles as illustrated in plant and animal groups. This course has been approved for online delivery.

## **BIOL 32L - General Life Science Laboratory**

**1.0 unit**

**CSU/UC**

**CSU GE Areas B3**

**IGETC Area 5C**

**Co-Requisite:** BIOL-32 General Life Science

3 hours lab

A laboratory section supporting the general survey of the living world with emphasis on the basic biological principles as illustrated in plant and animal groups. This course must be taken along with Biol 32 – General Life Science.

## **BUSINESS**

### **BUS 1A - Accounting Principles – Financial**

**4.0 units**

**CSU/UC**

**C-ID Acct 110**

**Recommended Preparation:** Successful completion of ENGL105 and MATH 103 or equivalent assessment placement.

4 hours lecture

A comprehensive course in financial accounting covering accounting information systems, the measuring and reporting of business transactions, and financial statement preparation under generally accepted accounting principles. Emphasis is placed on balance sheet valuation, quality of earnings, cash flow measurement, ethics and internal controls. This course has been approved for correspondence delivery.

### **BUS 1B - Accounting Principles – Managerial**

**4.0 units**

**CSU/UC**

**C-ID Acct 120**

**Prerequisite:** BUS 1A – Accounting Principles-Financial

3 hours lecture

An introduction to managerial accounting, planning and decision making. The course includes a study of cost behaviors, classifications, capture and reporting. Emphasis is placed on costs systems, decision making using accounting data, budgeting and manufacturing and cost accounting and the preparation of reports based on accounting data. This course has been approved for correspondence delivery.

### **BUS 1C - Federal Income Tax**

**3.0 units**

**CSU**

**Prerequisite:** BUS 1A – Accounting Principles-Financial

3 hours lecture

Structure of personal income taxation, tax planning and underlying social and economic issues. Emphasis on tax concepts rather than tax return preparation.

### **BUS 2 - Introduction to Business**

**3.0 units**

**CSU/UC**

**C-ID Bus 110**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture

A survey course designed to provide students with familiarity with basic principles and practices found in contemporary business, knowledge of business terminology and an understanding of how businesses operate within the U.S. and globally. This course has been approved for correspondence delivery.

### **BUS 10 - Human Resource Management**

**3.0 units**

**CSU**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture

A course for practicing, newly-appointed, or potential supervisors and managers who hold or who will hold from first-line up to middle-management positions. Course will develop broader perspectives and new insights in managerial skills. This course has been approved for online and correspondence delivery.

### **BUS 13 - Basic Accounting**

**3.0 units**

**CSU**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture

A beginning course in accounting and bookkeeping principles develops entry-level accounting skills.

### **BUS 18 - Records Management**

**3.0 units**

**CSU**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture.

Develops an understanding of the scope and problems of the administrative management of records. Covers all aspects of a records management system from establishment through filing, storing and retrieving. This course has been approved for online and correspondence delivery.





## **BUS 19 - Office Procedures**

**3.0 units**

**CSU**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture

The student experiences the role of the office worker and performs functions that make up an office support system. A variety of tasks will be performed to sharpen office skills and knowledge of procedures. Importance of human relations and interpersonal communications skills is stressed. This course has been approved for online and correspondence delivery.

## **BUS 22 - Business Law**

**3.0 units**

**CSU/UC**

**Associate Degree Area B**

**C-ID BUS 125**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture

An introduction to the legal system with emphasis on business transactions. Topics include contracts, sales, torts, agency relationships, and commercial paper. A fundamental understanding of legal procedure, sources of law, law classifications, dispute resolution, and social / ethical considerations of law. This course has been approved for online and correspondence delivery.

## **BUS 25 - Small Business Management**

**3.0 units**

**CSU**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture

Provides complete coverage of small business operations including business functions; sales, production, procurement, personnel, and finance. Managerial functions; planning, organizing, actuating, and controlling, with examples of actual business situations used to emphasize important principles. This course has been approved for online and correspondence delivery.

## **BUS 27- Business Communications**

**3.0 units CSU**

**C-ID Bus 115**

**Prerequisite:** ENGL-1 College

Composition

3 hours lecture

Instruction in the principles of effective business communications. Contemporary approaches to planning, composing and revising common written and oral business communications is explained and applied. Emphasis is on the writing of clear, concise, and effective letters, memorandums, e-mails and business reports. This course is designed for business majors. This course has been approved for online delivery.

## **BUS 34A - Microsoft Word, Beginning**

**3.0 units CSU**

**Prerequisite:** COT 52 Keyboarding, Level 1

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

1.5 hours lecture/4.5 hours lab

Basic operations of Microsoft Word. Includes file management, navigation with menus and toolbars, document creation and revision, formatting and layout, tabs, page numbering, multi-column work, basic find and replace, tables, graphs, and envelopes/labels. In addition, a study of concepts of word processing will provide students with the background necessary to help them adapt to various situations they will encounter when employed. This course has been approved for online delivery.

## **BUS 34B - Microsoft Word, Advanced**

**3.0 units CSU**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

1.5 hours lecture/4.5 hours lab

Provides concentrated training in advanced operations of Microsoft Word, including automated form letters, advanced find/replace, sorting, advanced formatting with styles and templates, repetitive typing shortcuts, footnotes, shared documents, indexes, online forms, basic macros, and hyper-links. In addition, a study of concepts of word processing will provide students with the background necessary to help them adapt to various situations they will encounter when employed. This course has been approved for online delivery.

## **BUS 49 - Business Work Experience**

**1.0-8.0 units**

**CSU**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

5-40 hours lab (R)

This course enables students with educational or career goals in business, who are working in the field of business to build related job specific skills through individualized learning objectives and enhance their workplace performance. Attendance of an on campus orientation session is required for all Work Experience enrollments. Students complete an online expanded orientation module addressing workplace success skills throughout the term. Subsequent enrollments require new individualized learning objectives. Units are awarded based upon achievement of approved learning objectives, workplace performance, submission of course assignments, and documentation of work hours. Enrollment in Work Experience courses is limited to a maximum of 16 units, including all Vocational, Occupational and General Work Experience enrollments. Title V specifies students will earn 1 unit of credit for each 75 hours paid work, and 1 unit of credit for each 60 hours volunteer work. This course has been approved for hybrid delivery.

## **BUS 75 – Planning and Launching a New Business Venture**

**1.0 units**

**Recommended Preparation:** Successful completion of ENGL105 and MATH 103 or equivalent assessment placement.

18 hours lab

An exploratory course in the fundamentals of planning and starting a new business venture. This is a project based course developing a business plan. Topics include the development of a competitive business model, assessing industry and market conditions, choosing a form of business ownership, and the structure and content found in a successful business plans.



## **BUS 76 – Marketing the Small Business Venture**

**1.0 units**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

18 hours lab

This course provides students with the fundamentals of marketing a small business concern. The student will be introduced to the concepts of market planning, strategy, research, competitor analysis, target markets, and the development of a marketing mix for a marketing plan.

## **BUS 77 – Financing the New Business Venture**

**1.0 units**

**Recommended Preparation:** Successful completion of ENGL105 and MATH 103 or equivalent assessment placement.

18 hours lab

A course in small business and entrepreneurship financing. Topics include estimating start-up costs, projecting sales, funding new business ventures, the basics of financial statement analysis, budgeting, cash flow management, and the time value of money. Emphasis is placed on developing useful financial information used in small businesses and business plans.

## **BUS 78 – The Customer Service Advantage**

**1.0 units**

**Recommended Preparation:** Successful completion of ENGL105 and MATH 103 or equivalent assessment placement.

18 hours lab

This course provides students with the principles that support customer service excellence. The student will be introduced to the concepts of customer satisfaction, servicing the internal and external customers, interpersonal communications, consumer retention, and managing conflict.



## **BUS 79 – Computer Information Systems for Small Business Ventures**

**2.0 units**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

18 hours lab

This course introduces students to information system concepts, computer technologies, and applications commonly found in small business. Students will learn the basics behind typical information technologies used to manage small business operations. Emphasis is placed on leveraging spreadsheet, database, bookkeeping, and word processing software applications.

## **CHEMISTRY**

### **CHEM 1A - General Chemistry I**

**5.0 units C-ID CHEM 110/120S**

**CSU/UC**

**CSU GE Areas B1 B3**

**IGETC Area 5A 5C**

**Associate Degree Area A**

**Prerequisite:** One year of high school chemistry or Chemistry 45 or the equivalent. MATH 60 Intermediate Algebra.

3 hours lecture/6 hours lab

This course introduces atomic structure, bonding, stoichiometry, thermochemistry, gases, matter and energy, oxidation-reduction, chemical equations, liquids and solids, solutions, chemical energetics and equilibrium. The first semester of a one-year course in chemistry intended for majors in the natural sciences (chemistry, biochemistry, biology, physics, pre-medicine), mathematics, and engineering.

### **CHEM 1B - General Chemistry II**

**5.0 units C-ID CHEM 120S**

**CSU/UC**

**CSU GE Areas B1 B3**

**IGETC Area 5A 5C**

**Associate Degree Area A**

**Prerequisite:** Chemistry 1A General Chemistry I or the equivalent. MATH 60 Intermediate Algebra.

3 hours lecture/6 hours lab

A continuation of Chemistry 1A intended for majors in natural sciences, mathematics, and engineering. Topics covered or reinforced in both the lecture and laboratory: Chemical energetics and equilibria, solutions and ionic equilibria, acid-base chemistry, electrochemistry, coordination chemistry, oxidation-reduction, and thermodynamics, kinetics, nuclear chemistry, descriptive chemistry, organic chemistry, the chemistry of family groups of the periodic table, qualitative and quantitative analysis.

## **CHEM 8 - Introduction to Organic and Biochemistry**

**4.0 units**

**CSU/UC**

**CSU GE Areas B1 B3**

**IGETC Area 5A 5C**

**Associate Degree Area A**

**C-ID CHEM 102**

**Prerequisite:** CHEM 1A or CHEM 45

3 hours lecture/3 hours lab

An introduction to organic chemistry and biochemistry. Emphasis is on the relationship between structure, properties and function of simple and complex molecules. For nursing and allied health students.

## **CHEM 45 - Introduction to Chemistry**

**4.0 units**

**CSU/UC (unit limitation)**

**CSU GE Areas B1 B3**

**IGETC Area 5A 5C**

**Associate Degree Area A**

**C-ID CHEM 101**

**Prerequisite:** One year of high school algebra, or MATH 103 or equivalent placement through the assessment process.

3 hours lecture/3 hours lab

An introduction to chemistry, principally inorganic. Emphasis is on basic concepts and skills. This course is for students with no prior chemistry and is intended a preparation for major's in chemistry, allied health, and general education.

## **CHILD DEVELOPMENT**

### **CD 11 - Observation and Assessment**

**3.0 units**

**CSU C-ID ECE 200**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

2 hours lecture/3 hours lab

This course focuses on the appropriate use of assessment and observation strategies to document development, growth, play, and learning in order to join with families and professionals in promoting children's success and maintaining quality programs. Recording strategies, rating scales, portfolio, and multiple assessment methods are explored. This course has been approved for online delivery.

**CD 12 - Child, Family and Community**  
**3.0 units**

**CSU C-ID CDEV 110**

**Associate Degree Area E1**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture

This course addresses early childhood education competencies related to the role of the family in the care and education of the child, and the role of community in providing services to children and their families. Key concepts include acknowledgement that children develop in the context of their families and communities and that building relationships with families in an integral part of competent and professional early childhood practice. This course has been approved for online and correspondence delivery.

**CD 15 - Pre-School Administration**  
**3.0 units**

**CSU**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture

This course is designed to meet the State Department of Education requirements for directors of public funded child development programs, and the Supervisory Child Development Permit. Topics covered are the development, procedures and evaluation of child development programs; staff and parent handbooks; staff orientation, and in-service; parent correspondence; marketing strategies, business plans; financial reports, evaluation and accreditation. This course has been approved for online and correspondence delivery.

**CD 16 - Introduction to Curriculum**  
**3.0 units**

**CSU**

**C-ID ECE 130**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture

This course presents an overview of knowledge and skills related to providing appropriate curriculum and environments for all young children from birth to 6. Students will examine teachers' 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. An overview of content areas will include but not be limited to: language and literacy, social and emotional learning, sensory

learning, art and creativity, math and science. This course has been approved for online and correspondence delivery.

**CD 17 - Children's Literature**  
**3.0 units**

**CSU**

**Recommended Preparation:**

Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture

Designed to help teachers build language opportunities into every curriculum area; to explore methods of fostering language skills of the young child, and introduce pre-reading experiences. Includes the study of children's literature, standards for evaluating books, techniques of storytelling, and puppetry.

**CD 19 - Children's Nutrition, Health and Safety**  
**3.0 units**

**CSU**

**C-ID ECE 220**

**Recommended Preparation:**

Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture

Introduction to 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 both children and staff will be identified along with the importance of collaboration with families and health professionals. This course has been approved for online and correspondence delivery.

**CD 20 - Principles and Practices of Teaching Young Children**  
**3.0 units**

**CSU**

**C-ID ECE 120**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture

An examination of the underlying theoretical principles of developmentally appropriate practices applied to programs, environments, emphasizing the key role of relationships, constructive adult-child interactions, and teaching strategies in supporting physical, social, creative, and intellectual development for all children. This course has been approved for online and correspondence delivery.

**CD 22 - The Infant Toddler**  
**3.0 units**

**CSU**

**Associate Degree Area E1**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture

Principles and philosophy of infant care for children up to three years of age including physical and mental growth, cognitive, social/emotional, language and self-identity development, health and nutrition. Parent education, community resources, inclusion and cultural/ethnic diversity will be explored. This course has been approved for online and correspondence delivery.

**CD 23 - Adult Supervision in the Child Care Setting**  
**3.0 units**

**CSU**

**CSU**

**Prerequisite(s):** Twelve (12) units of Early Childhood Education Prerequisite Skills

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture

This course is a study of the methods and principles of supervising student teachers, assistant teachers, parents and volunteers in early childhood education/child development classrooms. Emphasis is on the role of classroom teachers who function as mentors to new teachers while simultaneously addressing the needs of children, parents and other staff. Required by the Child Development permit for administrators of ECE/CD programs.





## **CD 24 – Practicum**

**4.0 units**

**CSU**

**C-ID ECE 210**

**Prerequisites:** CD-12 Child, Family and Community; CD-16 Early Childhood Curriculum; CD-20 Principles and Practices of Teaching Children; and PSY-31/CD-31 Child Development: Conception through Adolescence.

2 hours lecture/6 hours lab

A demonstration of developmentally appropriate early childhood teaching competencies under guided supervision. Students will utilize practical classroom experiences to make connections between theory and practice, develop professional behaviors, and build a comprehensive understanding of children and families. Child centered, play-oriented approaches to teaching, learning, and assessment; and knowledge of curriculum content areas will be emphasized as student teachers design, implement and evaluate experiences that promote positive development and learning for all young children. This course has been approved for online delivery.

## **CD 25 - Teaching in a Diverse Society**

**3.0 units**

**CSU**

**C-ID ECE 230**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture

Examination of the development of social identities in diverse societies including theoretical and practical implications of oppression and privilege as they apply to young children, families, programs, classrooms and teaching. Various classroom strategies will be explored emphasizing culturally and linguistically appropriate anti-bias approaches supporting all children in becoming competent members of a diverse society. This course has been approved for online and correspondence delivery.

## **CD 26 - Administration II**

**3.0 units**

**CSU**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture

This course addresses advanced administration skills, knowledge, and techniques needed to organize and operate a child development facility. Emphasis will be on principle-centered leadership, staffing, and staff development opportunities, personnel policies, problem solving techniques, regulatory laws, funding

opportunities, budget and fiscal management and working with a board, parents, volunteers and the community. This course has been approved for online delivery.

## **CD 27 - Children with Special Needs**

**3.0 units**

**CSU**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture

This course focuses on identifying and referring children with special needs, including, physical, neurological and sensory challenges, developmental delays, learning disabilities, and giftedness and emotional and behavioral disorders. Emphasizes multidisciplinary planning to aid caregivers in modification, adaption, accommodation and teaching techniques involved in the inclusive classroom.

## **CD 28 - Child Guidance**

**3.0 units**

**CSU**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture

A course to explore the relationship between the parenting figure and the child. Emphasis will be placed on social and emotional development; characteristic behavior patterns of both children and adults. This course would be of interest to any adult involved or interested in children.

## **CD 30 - Early Steps to Reading Success**

**3.0 units**

**CSU**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture

This course is designed to prepare current or future childhood teachers and caregivers to enhance the early literacy outcomes of young children by improving teacher's knowledge of early literacy development, and their skills in teaching literacy to young children from birth to age 5.

## **CD 31 - Child Development: Conception through Adolescence**

**3.0 units**

**CSU/UC**

**CSU GE Area D7 E/IGETC Area 4G**

**Associate Degree Area E1**

**C-ID CDEV 100**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture

This course examines the major physical, psychological, and cognitive/language developmental milestones for children, both typical and atypical, from conception through adolescence. Emphasis will be on interactions between the maturational process and environmental factors. Students will be expected to observe children, analyze characteristic of children at different developmental stages and investigate research methodologies. This course has been approved for online and correspondence delivery.

## **CD 49 - Child Development Work Experience**

**1.0-8.0 units**

**CSU**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

5-40 hours lab (R)

This course enables students with educational or career goals in child development, who are working in the field of child development, to build related job specific skills through individualized learning objectives and enhance their workplace performance. Attendance of an on campus orientation session is required for all Work Experience enrollments. Students complete an online expanded orientation module addressing workplace success skills throughout the term. Subsequent enrollments require new individualized learning objectives. Units are awarded based upon achievement of approved learning objectives, workplace performance, submission of course assignments, and documentation of work hours. Enrollment in Work Experience courses is limited to a maximum of 16 units, including all Vocational, Occupational and General Work Experience enrollments. Title V specifies students will earn 1 unit of credit for each 75 hours paid work, and 1 unit of credit for each 60 hours volunteer work. This course has been approved for hybrid delivery.



## **CD 50 - ECE Child Health and Safety**

### **1.0 unit**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

1 hour lecture

Introduction to child health and safety to include American Red Cross certification in infant, child and adult CPR/Pediatric First Aid.

## **COMPUTER APPLICATIONS**

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### **CA 31 - Computer Applications**

#### **2.0 units**

#### **CSU/UC**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

1 hour lecture/3 hours lab

Use of currently and widely-used application software, including spreadsheets, data bases, word processors and graphics programs. Practical experience for familiarity and skill in operating software as well as problem solving in business applications will be stressed. Course is designed to meet the preparatory needs of students seeking to pass the Microsoft Office Specialist [MOS] exams in Word, Access, and Excel. This course has been approved for online delivery.

### **CA 32 - Computer Applications II**

#### **2.0 units**

#### **CSU**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

1 hour lecture/3 hours lab

In addition to a quick review, this course covers topics that are not covered in Computer Applications I. It is designed to teach students how to use easy but powerful features available in widely used software. The emphasis will be on a word processor and a spreadsheet. This course has been approved for online delivery.

### **CA 54 - Basic Computer Maintenance**

#### **2.0 units**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

1 hour lecture/3 hours lab

This course is designed for students who want to learn about basic ways to maintain and upgrade computers. It will teach the students the various hardware components in a computer and how to replace and upgrade them. In addition, it

will cover installation and upgrade of an operating system and application software.

### **CA 55 - Using a Word Processor**

#### **0.5 unit**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

1 hour lecture/3 hours lab

(5 weeks)

This course teaches the fundamentals of Microsoft Windows and Word for Windows. It acquaints the students with the proper way to solve word processing problems in a Windows environment. This course has been approved for online delivery.

### **CA 56 - Using a Spreadsheet**

#### **0.5 unit**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

1 hour lecture/3 hours lab

(5 weeks)

Use of a widely-used spreadsheet program. Practical experience for familiarity and skill in operating the software, as well as problem solving in business applications will be stressed. This course has been approved for online delivery.

### **CA 57 - Using a Database**

#### **0.5 units**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

1 hour lecture/3 hours lab

(5 weeks)

Use of a common database program. Practical experience for familiarity and skill in operating the software, as well as problem solving in business applications will be stressed. This course has been approved for online delivery.

### **CA 59 - Microsoft Windows**

#### **2.0 units**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

1 hour lecture/3 hours lab

This course introduces Windows to students of varying backgrounds. The assumption is that the student has had little or no experience with the Windows environment; however, even an experienced Windows user will find this course useful in reducing the amount of time needed to achieve meaningful results with Windows. This course has been approved for online delivery.

## **COMPUTER OFFICE TECHNOLOGY**

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### **COT 50 - Keyboarding, Level 1**

#### **1.0 unit**

3 hours lab

A course to enable a beginning keyboarding student to acquire the ability to keyboard by touch, develop proper keyboarding techniques, build speed and accuracy skills and apply these skills to personal and business communications. This course has been approved for online delivery.

### **COT 52 - Keyboarding, Level 2**

#### **1.0 unit**

**Prerequisite:** COT 50

6 hours lab

Reviews basic production techniques. Presents a variety of office situations where emphasis is upon office skill development including editing, abstracting information, decision making, setting priorities, work flow, following directions and working under pressure. This course has been approved for online delivery.

### **COT 59 - Business Machines: 10 Key**

#### **1.0 unit**

2 hours lab

A course to enable the student to acquire ability to operate the electronic calculator by touch with correct utilization of function keys. Training on various computations using the Electronic Printing Calculator in areas of retailing, financial management and accounting.

## **COMPUTER SCIENCE**

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### **CS 1 - Computer Literacy**

#### **3.0 units**

#### **CSU/UC**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

2 hours lecture/3 hours lab

This course introduces students to the following areas in computer science: An operating system such as Windows, Application programs which include a word processor, spreadsheet, database and presentation, A programming language; The Internet and the creation of web pages; Internal structure and basic functions of computers; Cultural implications of computers on our society. This course has been approved for online delivery.

## COUNSELING & GUIDANCE

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### **CG 1 - Strategies for Creating Success in College and in Life**

**3.0 units**

**CSU/UC**

**CSU GE Area E**

**Associate Degree Area E1**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture

This course is designed to enable students to develop and improve skills needed to be successful in college and in life. These skills include study techniques, goal setting, test-taking, note-taking, memory techniques, time management and personal issues such as stress management, drug and alcohol addiction, communication and decision making. This course has been approved for correspondence and online delivery.

## DEVELOPMENTAL STUDIES

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### **DS 110 - Computer Access 1**

**0.5-3.0 units**

9 hours lab (R)

Designed for students with learning, visual, physical, or language impairments. Provides training in computer access technologies within the context of word processing. This course may be taken as needed, pursuant to special class repetition standards.

### **DS 111 - Computer Access II**

**0.5-3.0 units**

9 hours lab (R)

Designed for students with learning, visual, physical, or language impairments. Provides training in computer access technologies within the context of advanced word processing skills and basic spreadsheet and data base programs. This course may be taken as needed, pursuant to special class repetition standards.

### **DS 112 - Computer Access Projects**

**0.5-3.0 units**

9 hours lab (R)

Designed for students with learning, visual, physical, or language impairments. Provides an opportunity for the student who is already familiar with computers and/or adaptive technologies to work on independent projects, perfect job skills or attain greater mastery of the technology(s). This course may be taken as needed, pursuant to special class repetition standards.

### **DS 113 - Developmental Skills: Personal Assessment**

**0.5-1.0 unit**

1 hour lecture (R)

A course designed to provide the learning disabled student with specific information about his/her own learning process.

Explores existing concepts, theories, and practices related to self-appraisal, defense mechanisms, self-concept and interpersonal relations as these relate to their disability. Credit for this course will not apply to the associate degree. Repeatable as needed, pursuant to special class repetition standards.

### **DS 114 - Developmental Skills: Reading**

**0.5-1.5 units**

4.5 hours lab (R)

An individualized program to improve the reading comprehension skills of the learning disabled student. Emphasis will be placed on reading comprehension, vocabulary, and critical thinking. Repeatable as needed, pursuant to special class repetition standards.

### **DS 115 - Developmental Skills: Writing Skills**

**3.0 units**

3 hours lecture (R)

A course designed to instruct the learning disabled student in writing skills. Emphasis will be placed on vocabulary development, in-depth sentence formation, and critical thinking. This course may be taken as needed, pursuant to special class repetition standards.

### **DS 116 - Developmental Skills: Math**

**0.5-1.5 units**

4.5 hours lab (R)

An individualized program to improve the math skills of the learning disabled student. Emphasis will be placed on developing the student's skills for vocational competency or through the beginning algebra academic level, depending upon the student's goal. This course may be taken as needed, pursuant to special class repetition standards.

### **DS 120 - Adaptive Fitness**

**1.0 unit**

3 hours lab (R)

This course is designed to provide development and maintenance of strength, flexibility and aerobic fitness, through sport and fitness activities, for students with a verified physical disability. Repeatable as needed, pursuant to special class repetition standards. This course has been approved for correspondence delivery.

### **DS 121 - Adaptive Individual Sports: Bowling**

**1.0 unit**

3 hours lab (R)

This course will allow students who have a substantial developmental delay or disorder in physical development regardless of ability to have the opportunity to develop and improve their bowling skills ranging from equipment adjustment to advanced bowling skills. Students will develop greater degrees of functional skills including: social independence, fundamental motor skill, object control, problem solving, physical well-being and the ability to participate in the lifelong sport of bowling. Repeatable as needed, pursuant to special class repetition standards.

### **DS 122 - Adaptive Individual Sports: Weight Training**

**1.0 unit**

3 hours lab (R)

This course will allow students who have a substantial developmental delay/physical limitation regardless of ability to have the opportunity to develop and improve strength, bone health, and daily function. Weight training skills will range from proper safety guidelines in equipment usage, lifting, workout selections, spotting fundamentals and practice procedures. Students will develop a well-rounded exercise routine that will help improve their health, physical function, self-esteem, and behavior. Repeatable as needed, pursuant to special class repetition standards.



## ECONOMICS

### **ECON 10 - Macro-Economics**

3.0 units

CSU/UC

CSU GE Area D2/IGETC Area 4B

Associate Degree Area B

**C-ID ECON 202**

**Prerequisite:** Math 103 Elementary Algebra

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture

An introduction to modern macroeconomic analysis. Emphasis is placed on market systems, aggregate measures of economic activity, fiscal and monetary policy, and public policy recommendations. This course has been approved for online and correspondence delivery.

### **ECON 11 - Micro-Economics**

3.0 units

CSU/UC

CSU GE Area D2/IGETC Area 4B

Associate Degree Area B

**C-ID ECON 201**

**Prerequisite:** Math 103 Elementary Algebra

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture

An introduction to market systems, supply and demand model, and decision making in different market structures. Topics include the supply and demand framework, elasticity, government intervention, and decision making in the market structures of perfect competition, monopoly, monopolistic competition, and oligopoly. This course has been approved for correspondence and online delivery.



## EDUCATION

### **ED 1 – Tools for Teaching**

3.0 units

CSU

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture

This interactive course presents an overview of knowledge and skills related to designing and delivering appropriate curriculum and fostering a supportive learning environment for adult learners. The course examines the teaching and learning transaction and key teacher responsibilities and activities. Specific attention is paid to relevant learning theories and teaching techniques that maximize the effectiveness of instruction. Students will examine the teachers' role in fostering the joy of learning for adults using instructional systems design principles. Students engage in the production and presentation of an instructional package including instructional strategies, materials and technologies, classroom management practices, and the assessment of learning. This course has been approved for hybrid delivery.

### **ED 2 – Introduction to Elementary Classroom Instruction**

3.0 units

CSU

**C-ID EDUC 200**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture

This interactive course introduces students to the concepts and issues related to teaching diverse learners in today's contemporary schools, Kindergarten through grade 12 (K-12). Topics include teaching as a profession and career, historical and philosophical foundations of the American education system, contemporary educational issues, California's content standards and frameworks, and teacher performance standards. In addition to class time, the course requires a minimum of 45 hours of structured fieldwork in public school elementary classrooms that represent California's diverse student population, and includes cooperation with at least one carefully selected and campus-approved certificated classroom teacher. This course has been approved for online delivery.

## EMERGENCY MEDICAL TECHNICIAN

### **EMT 60 - Emergency Medical Technician 1 (Basic)**

6.5 units

**Prerequisite:** Current CPR certification, FS 21 First Responder - Medical or equivalent

5 hours lecture/4 hours lab (R)

Covers all techniques of emergency medical care and transportation of the sick and injured within the responsibilities of the Emergency Medical Services Authority requirements referenced in Title 22, Division 9, Chapter 2, Article 1 of the California Administrative Code. Upon successful completion, the student will be eligible to take the Certification Exam for Emergency Medical Technician-1 Ambulance or Emergency Medical Technician - B (Basic). The student will be required to complete an additional 32 hours of on-the-job emergency training outside the scheduled classroom hours to meet state requirements. The student must have FS 21 First Responder – Medical or have current or previous EMT certification and must possess a valid CPR card from ASHI, ARC or AHA. This course may be taken as necessary for certification. Approved for hybrid delivery.

### **EMT 61 - Emergency Medical Technician-B Refresher**

1.0 unit

**Prerequisites:** Current EMT-B, certification that has been expired for no more than one year and current BLS-C Certification.

14 hours lecture/18 hours lab (1 week) (R)

A 32 hour course that provides, to the certified EMT-B (Basic) student, a review of didactic knowledge and practical skills required to recertify, as outlined by the State of California regulations. For EMT-B's who are maintaining certification with the National Registry of EMT's (NREMT), this course is also approved for the required Transition course. Repeatable as necessary to maintain certification



## ENGLISH

### **ENGL 1 - College Composition**

**3.0 units**

**CSU/UC**

**CSU GE Area A2/IGETC Area 1A**

**Associate Degree Area D1**

**C-ID ENGL 100**

**Prerequisite:** Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture

A refinement of the skills of writing and critical reading, emphasizing the relationship between purpose and form, clarity, coherence and unity, accuracy of expression, the development of the writer's voice and style, the elements of critical thinking, and the development of the research paper and specific strategies to prepare for university studies. This course has been approved for online and correspondence delivery.

### **ENGL 2 - Introduction to Literary Types**

**3.0 units**

**CSU/UC**

**CSU GE Area C2/IGETC Area 3B**

**Associate Degree Area C**

**C-ID ENGL 120**

**Prerequisite:** English 1

3 hours lecture

This course introduces representative works from major genres, develops students' close reading and analytical writing skills, and promotes appreciation and critical understanding of the cultural, historical, and aesthetic qualities of literature.

### **ENGL 3 – British Literature I**

**3.0 units**

**CSU/UC**

**CSU GE Area C2/IGETC Area 3B**

**Associate Degree Area C**

**C-ID ENGL 160**

**Prerequisite:** English 1

3 hours lecture

This course surveys British literature from the Middle Ages to the late eighteenth century. Areas of focus include the literary traditions and context as well as relevant historical, philosophical, social and political developments.

### **ENGL 4 – British Literature II**

**3.0 units/CSU/UC**

**CSU GE Area C2/IGETC Area 3B**

**Associate Degree Area C**

**C-ID ENGL 165**

**Prerequisite:** English 1

3 hours lecture

This course surveys British literature from the late eighteenth century to contemporary British and post-colonial texts. Areas of focus include the literary traditions and context as well as relevant historical, philosophical, social and political developments. This course is approved for hybrid (traditional/online) delivery.

### **ENGL 5 – Survey of World Literature II**

**3.0 units**

**CSU/UC**

**CSU GE Area C2/IGETC Area 3B**

**Associate Degree Area C**

**C-ID ENGL 145**

**Prerequisite:** English 1

3 hours lecture

This course is a comparative study of selected works, in translation and in English, of literature from around the world, including Europe, the Middle East, Asia, and other areas, from the mid or late seventeenth century to the present.

### **ENGL 7 – Argumentative Writing and Critical Thinking Through Literature**

**1.0 units**

**1.1 CSU/UC**

**CSU GE Area A3/IGETC 1B**

**Associate Degree Area C**

**C-ID ENGL 110**

**Prerequisite:** English 1

3 hours lecture

This course offers instruction in analytical, critical, and argumentative writing, critical thinking, research strategies, information literacy, and proper documentation through the study of literary works from major genres, while developing students' close reading skills and promoting an appreciation of the aesthetic qualities of literature. This course has been approved for Hybrid (online/traditional) Delivery.



### **ENGL 9 - Critical Thinking and Composition**

**3.0 units**

**CSU/UC**

**CSU GE Area A3/IGETC Area 1B**

**Associate Degree Area D1**

**C-ID ENGL 105**

**Prerequisite:** English 1

3 hours lecture

This course is designed to develop critical thinking, reading, and writing skills beyond the level achieved in English 1. The course will focus on the development of logical reasoning and analytical and argumentative writing skills. This course has been approved for online and correspondence delivery.

### **ENGL 10 – Shakespeare**

**3.0 units**

**CSU/UC**

**CSU GE Area C2/IGETC Area 3B**

**Associate Degree Area C**

**Prerequisite:** English 1

3 hours lecture

Plays of Shakespeare will be analyzed and discussed. The development and evaluation of Elizabethan and Jacobean drama will be studied and Shakespeare's achievements considered in that light. Each student will produce an independent paper on a work, character, or theme of interest.

### **ENGL 12 - Survey of American Literature II**

**3.0 units**

**CSU/UC**

**CSU GE Area C2/IGETC Area 3B**

**Associate Degree Area C**

**C-ID ENGL 135**

**Prerequisite:** ENGL 1 College

Composition

3 hours lecture

This course introduces students to a wide range of American authors and their relationship to major literary and intellectual movements from the second half of the nineteenth century to the present. This course will include the emergence of realism and naturalism in the post-war industrial era. Humorists, local color writers, the revival of poetry, nationalism, cosmopolitanism, and the fiction of the early twentieth century will be studied. This course has been approved for correspondence delivery.



## **ENGL 22 – Creative Writing**

**3.0 units**

**CSU/UC**

**Associate Degree Area C**

**Prerequisite:** ENGL 1 College

Composition

3 hours lecture

An introduction to the craft of creative writing through the study and analysis of works by established and peer writers. Students will practice writing in various genres and will be introduced to the workshop method.

## **ENGL 33 – Studies in Fiction**

**3.0 units**

**CSU/UC**

**CSU GE Area C2/IGETC 3B**

**Associate Degree Area C**

**Prerequisite:** ENGL 1 College

Composition

3 hours lecture

This course will examine the nature of prose fiction and its various forms, explore periods and themes evident in a given work, and emphasize a critical apparatus that will allow students to critically reflect on and engage with various types of literature.

## **ENGL 105- Introduction to College Reading, Writing, and Critical Thinking**

**3.0 units**

**Prerequisite:** Equivalent placement through the assessment process.

3 hours lecture

Development of reading, writing, and critical thinking skills including reading for comprehension, summarizing, paraphrasing and directly quoting, writing responses to readings, integrating ideas from multiple sources to support a single idea, appropriately citing sources and writing essays. This course has been approved for correspondence and online delivery.

## **ENGL 105A- Basic Reading and Writing**

**1.0 units**

**Corequisite:** Must be taken with ENGL 105

3 hours lecture

The emphasis of this course is to prepare students for college level reading, writing and critical thinking. Introduction to and application of the basic skills needed for clear written expression at the short essay level. Students will explore grammar, sentence and paragraph structure, essay organization and reading skills in support of work being completed in ENGL105 Introduction to College Reading, Writing and Thinking. This course has been approved for correspondence and online delivery.

## **ETHNIC STUDIES**

### **ES 1 - Ethnic Minorities in America**

**3.0 units**

**CSU/UC**

**CSU GE Area D3/IGETC Area 4C**

**Associate Degree Area B**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture

A survey of the history, culture and folklore of the American people. This course has been approved for online and correspondence delivery.

## **FILM**

### **FILM 1 - History of the Cinema**

**3.0 units**

**CSU/UC**

**CSU GE Area C1/IGETC Area 3A**

**Associate Degree Area C**

**Recommended Preparation** Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture

This course is designed as an introduction to film history, focusing on methods and analysis. Works of Edison, Lumieres, Chaplin, J. Ford, Hitchcock, Wells, Allen, Brooks, Coppola and other will be examined.

## **FIRE TECHNOLOGY**

### **FS 3 - Fundamentals of Fire**

**Prevention**

**3.0 units**

**CSU**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture

The history and philosophy of fire prevention, organization and operation of fire prevention bureaus, use of fire codes, identification and correction of fire hazards, and the relationship of fire prevention with fire safety education and detection/suppression systems.

### **FS 4 - Fire Protection Equipment and Systems**

**3.0 units**

**CSU**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture

This course provides an introduction to the design and operation of fire detection and alarm systems, heat and smoke control systems, special protection and sprinkler systems, water supply for fire protection, and portable fire extinguishers.

### **FS 5 - Fire Orientation and Organization**

**3.0 units**

**CSU**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture

This course provides the fundamentals of fire department organization, management and resources and the use of those resources to control various emergencies.

### **FS 6 - Building Construction for Fire Protection**

**3.0 units**

**CSU**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture

This course provides for the study of the components of building construction that relate to fire safety. The elements of construction and design of structures are shown to be key factors when inspecting buildings, preplanning fire operations and operating at fires. The development and evolution of building and fire codes will be studied in relationship to past fires in residential, commercial, and industrial occupancies.

### **FS 8 – Wildland Fire Suppression**

**2.0 units**

**CSU**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

16 hours lecture/48 hours lab

Training in the use of tools of wildland fire suppression, and experience in the cooperative working relationship of a wildland fire suppression crew. Subject coverage includes responsibility as a fire crewperson, safe working habits, hand tools of firepumps, map and compass, tool maintenance, pumping operations and safety, air operations and safety, tractor operations and safety, wildland fire tactics, structural fire tactics, mop-up activities, fireline location and construction and radio use.



### **FS 13 - Fire Behavior and Combustion**

**3.0 units**

**CSU**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

5 hours lecture (10 weeks)

This course is designed to explore the theories and fundamentals of how and why fires start, spread and how they are controlled.

### **FS 14 - Principles of Fire Safety and Survival**

**3.0 units**

**CSU**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture

This course introduces the basic concepts of occupational health and safety as it relates to emergency service organizations. Topics include risk evaluation and control procedures for emergency and non-emergency situations. The course curriculum will be guided by NFPA standards, such as National Fire Protection Association 1500, Fire Department Occupational Health and Safety Programs.

### **FS 20 - First Aid and CPR for the Public Safety Employee**

**0.5 units**

**CSU**

**Recommended Preparation:** Successful completion of ENGL105 and MATH 103 or equivalent assessment placement.

8 hours lecture (1 day) (R)

Manipulative and technical training in emergency care procedures, including examining the victim; observing surroundings, determining case histories, maintaining an airway, performing resuscitation and cardiopulmonary resuscitation, controlling bleeding, treating cerebrovascular injuries, treating shock, seizures, childbirth, performing manual lifts and carries, and improvising and providing transportation. A \$10.00 Certification fee applies. May be repeated as needed for recertification.

### **FS 21 - First Responder – Medical**

**2.5 units**

**CSU**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

1.5 hours lecture/1 hour lab (R)

This course meets public safety standards published by U.S. Department of Transportation's "First Responder" curriculum. The course will prepare the student for certification (two-year) by the Northern California Emergency Medical Service. This course is repeatable as necessary to maintain certification. Additional State Certification Fees will apply.

### **FS 23 - Ignition Operations (S-234)**

**1.0 units**

**CSU**

**Prerequisites:** FS 75 Fire behavior (S-290)

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

16 hours lecture (2 day)

This course introduces the roles and responsibilities of a firing boss, common firing devices, and general firing operations and techniques. Although comprehensive in nature, the coursework is not a substitute for the dynamic fire environment.

### **FS 26 - Basic Air Operations (S-270)**

**1.0 unit**

**CSU**

**Recommended Preparation:** Successful completion of ENGL105 and Math 103 or equivalent assessment placement.

16 Hours Lecture (2 Day)

This course covers aircraft types and capabilities, aviation management and safety, tactical and logistical uses of aircraft, and requirements for helicopter take-off and landing areas.

course is the first course in a two course 75 hours paid work, and 1 unit of credit for each 60 hours volunteer work.



### **FS 49 - Fire Science Work Experience**

**1.0-8.0 units**

**CSU**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

5-40 hours lab (R)

This course enables students with educational or career goals in fire science, who are working in the field of fire suppression to build related job specific skills through individualized learning objectives and enhance their workplace performance. Attendance of an on campus orientation session is required for all Work Experience enrollments. Students complete an online expanded orientation module addressing workplace success skills throughout the term. Subsequent enrollments require new individualized learning objectives. Units are awarded based upon achievement of approved learning objectives, workplace performance, submission of course assignments, and documentation of work hours. Enrollment in Work Experience courses is limited to a maximum of 16 units, including all Vocational, Occupational and General Work Experience enrollments. Title V specifies students will earn 1 unit of credit for each 75 hours paid work, and 1 unit of credit for each 60 hours volunteer work. This course has been approved for hybrid delivery.

### **FS 51 – Introduction to Fire Technology Careers**

**1.0 units**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

16 hours lecture

This course provides the basic knowledge to begin a career in the field of Fire Technology. Students will be introduced to the major branches of the fire service communities and the procedures used to complete an application for each of these departments.

### **FS 52 - Incident Command System (I-200/300)**

**2.0 units**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

2 hours lecture

This course provides an introduction to the incident command system. Emphasis is placed on system design principles, components of the system, positional responsibilities, and the common responsibilities of personnel assigned to the organization.

## **FS 55 - Fire Investigation**

**3.0 units**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture

This course provides information on determining the causes of fires (accidental, suspicious, and incendiary); types of fires, related laws, introduction to arson and incendiarism, recognizing and preserving evidence, interviewing witnesses and suspects, arrest and detention procedure, court procedures and court testimony.

## **FS 56 – Helicopter Crewmember (S-271) 2.0 units**

**Prerequisite:** FS-61 Basic Firefighter Training (Basic 32)

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

32 hours lecture/8 hours lab

This course is designed to meet the training needs of a helicopter crew member. Upon completion, the student will be able to demonstrate proficiency in all identified areas of helicopter use to safely achieve efficiency and standardization.

## **FS 57 - Auto Extrication 0.5 unit**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

8 hours lecture/8 hours lab  
(1 week)

This course provides students with hands-on experience in the procedures utilized during an automobile extrication incident. Course certified by of the California State Fire Marshal. Additional State Certification Fees apply. This course may be taken as needed due to the evolving extrication methods, various vehicle technological changes, and new modern tools used in the various rescue plans as well as victim care requirements.

## **FS 60 - Wildland Firefighter (CalFIRE Basic Training)**

**3.0 units**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

32 hours lecture/48 hours lab (3 weeks)

This course provides students with the knowledge and skills to perform basic firefighter tasks. Topics include: fire physics and terminology; fireline safety; aircraft safety; self-contained breathing apparatus; mobile equipment orientation; fire equipment orientation; wildland and structure firefighting operations.

## **FS 60A - Basic Fire Crew Firefighter**

**3.0 units**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

50 hours lecture (2 weeks)

This course provides basic knowledge, skills and ability for those individuals seeking a position on an operational CAL FIRE hand crew. This course requires instructor authorization prior to enrollment.

## **FS 61 - Basic Firefighter Training (Basic 32)**

**2.0 units**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

32 hours lecture/8 hours lab  
(1 week)

This course provides basic training in wildland fire suppression and crew person subject coverage includes wildland fire behavior, skills of wildland fire suppression, practice with common fireline hand tools, and working safely in wildland fire environment. [Meets U.S. Forest Service and Bureau of Land Management requirements for Firefighter Type 2: S-110, I-100, L-180, S-130, S-133, S-134, and S-190.] Certificates will be awarded at the completion of course.

## **FS 62 - Training Instructor 1B- Instructional Techniques**

**2.5 units**

**Prerequisite:** FS 63 - Training Instructor 1A-Instructional Techniques

40 hours lecture (1 week)

This course is designed to present Fire Instruction 1-B Techniques. The topics include: occupational analysis, course syllabi, concepts of learning, levels of instruction, learning objectives, using lesson plans, the psychology of learning, evaluations of effectiveness, and student teaching demonstrations. (Course certified by of the California State Fire Marshal and requires a certification fee.)

## **FS 62A - Training Instructor 1C- Instructional Techniques**

**2.5 units**

**Prerequisite:** FS 62 - Training Instructor 1B-Instructional Techniques

40 hours lecture (1 week)

This course is designed to present Fire Instruction 1-C techniques. The topics include: sources of references and materials, employing the four-step method of instruction, components of cognitive and psychomotor lesson plans, elements of test instruments, and methods of administering and grading

test instruments. (Course certified by the California State Fire Marshal)

## **FS 63 - Training Instructor 1A – Instructional Techniques 2.5 units**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

40 hours lecture (1 week)

This course is designed to present Fire Instruction 1A Techniques. The topics include preparing course syllabi, establishing levels of instruction, constructing learning objectives and lesson plans, instructional aide development, fundamentals of testing and measurements, test planning, evaluation techniques and tools, and student teaching demonstrations. (Course certified by the California State Fire Marshal and requires a certification fee.)

## **FS 66 - Fire Prevention 1 2.5 units**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

40 hours lecture (1 week)

This course provides a basic knowledge of the Company Officer certification track and Capstone Task Book process. The student will be equipped with knowledge and skills related to the Company Officer's role in fire prevention, the relationship between life safety and building construction, the elements of a quality company inspection program, and how to address complex hazards encountered during an inspection.

## **FS 69 - Fire Management 2.0 units**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

6.5 hours lecture (6 weeks)

This course prepares or enhances the first line supervisor's ability to supervise subordinates. It introduces key management concepts and practices utilized, and includes discussions about decision making, time management, leadership styles, personnel evaluations, and counseling guidelines. This course will require an additional fee for the costs of training manuals and certificate as required by the Office of State Fire Training.



## **FS 70 - Dozer Boss (S-232)**

### **1.0 unit**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

20 hours lecture (1 week)

This course is designed to meet training recommended for the dozer boss on an all risk incident. Trainees will be taught to ensure that a dozer has been properly inspected and signed up, ensure a dozer operator is qualified and signed up, determine the capabilities and limitations of the dozer and operator to perform an assignment and the actions to complete an assignment. Must have Firefighter Type 1 qualifications to receive NWCG Certificate.

## **FS 70A - Single Resource Academy (S-230, S-231, S-232)**

### **2.5 units**

**Prerequisite(s):** FS 98.18 (Annual Fire Refresher Training – RT-130) and FFT 1

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

36 hours lecture/4 hours lab

This course is designed as a classroom skill course to produce proficiency in the performance of all duties associated with the single resource Engine Boss, Crew Boss and Dozer Boss from initial dispatch through return to home unit. Instructional topics include: preparation and mobilization, assignment preparation, tactics and safety, off-line duties, demobilization, and post-incident activities. This course may be taken as needed to meet legally mandated training requirements.

## **FS 70B - Engine Boss (Single Resource)**

### **1.0 units**

**Prerequisite(s):** FS-70A Single Resource Academy (S-230, S-231, S-232) **or** Firefighter Type 1 qualifications and have successfully completed an agency S-230 course.

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

16 Hours Lecture

This course is designed as a classroom skill course to produce trainee proficiency in the performance of all duties associated with the single resource engine boss, from initial dispatch through return to home unit. Instructional topics include: preparation and mobilization, assignment preparation, tactics and safety, off-line duties, and demobilization, post-incident activities. This course may be taken as needed to meet legally mandated training requirements. Must have Firefighter Type 1 qualifications and

have successfully completed an agency S-230 course, or FS-70A Single Resource Boss Academy to receive NWCG certificate.

## **FS 72 - First Responder - Hazardous Materials**

### **1.0 unit**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

24 hours lecture (1 week) (R)

This course provides information about basic strategies to safe-guard the health and safety of emergency responders when their work involves potential exposure to hazardous materials. Topics include detection of the presence of hazardous materials, hazardous materials references and safe work practices around potentially hazardous materials. This course may be taken as necessary to maintain certification. Additional State Certification Fees apply.

## **FS 72A - First Responder - Hazardous Materials Refresher**

### **0.5 unit**

**Prerequisite:** FS 72 First Responder - Hazardous Materials

9 hours lecture (2 days) (R)

This course is designed to refresh students who are likely first responders to Hazardous Materials events. Within the operational role, course topics include risks and outcomes of hazardous materials, operational roles, safety procedures, stabilization of the scene, decontamination of victims and equipment and communication and coordination with agencies. This course is certified by the California Specialized Training Institute and students successfully completing the class will be issued a CSTI certificate. There will be a state certification fee for this class. This course may be taken as necessary to maintain certification. Additional State Certification Fees apply.

## **FS 73A - Incident Business Management (S-260)**

### **1.0 unit**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

20 hours lecture (1 week)

This course provides the basic knowledge for entry-level business management positions at an incident such as: finance positions, commissary manager, personnel time recorder, equipment time recorder and compensation for injury specialists.

## **FS 73B - Applied Incident Business Management (S-261)**

### **1.0 unit**

**Prerequisite:** FS 73A Incident Business Management (S-260)

20 hours lecture (1 week)

This course provides additional knowledge for business management positions at an incident such as: compensation for injury specialists, commissary and claims specialist. Students will have a working knowledge of these functions and how they relate to other functions in the incident command system.

## **FS 74 - Fire in the Interface (S-215)**

### **1.0 unit**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

8 hours lecture/24 hours lab (1 week)

This course is designed to meet the training needs for initial attack incident commanders and company officers confronting wildland fires that threaten life and property and improvements in the wildland/urban interface.

## **FS 75 - Fire Behavior (S-290)**

### **2.0 units**

**Prerequisite:** FS 73A Incident Business Management (S-260), **and** FS 61 – Basic Firefighter Training (Basic 32) **or** FS 60 - Wildland Firefighter (CalFIRE Basic Training); **or** S-190 Certification

35 hours lecture (1 week)

This course provides instruction in the identification and prediction of wildland fire behavior problems in various fuel types and under varying weather conditions.

## **FS 76 - Firefighter Type 1 (Squad Boss) (S-131)**

### **0.5 unit**

**Prerequisite:** FS-61 Basic Firefighter Training (Basic 32) **or** FS-60-Wildland Firefighter (CalFIRE-Basic Training).

*(This prerequisite is mandated by federal requirements through NWCG (National Wildland Coordinating Group)).*

8 hours lecture

This course is designed to be interactive in nature. It contains several tactical decision games designed to facilitate learning the objectives through class discussion.



## **FS 77 - Human Factors on the Fireline (L-180)**

**0.5 unit**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

9 hours lecture (1 week)

This training course addresses human performance content that relates to the individual, including situation awareness, communication, decision making, risk management, and teamwork skills. The desired outcome of this training is improved awareness of human performance issues on the fireline so that individual firefighters can integrate effectively into teams/crews working in dynamic, high-risk environments.

## **FS 78 - Followership to Leadership (L-280) 1.0 unit**

**Prerequisite:** This prerequisite is mandated by federal requirements through NWCG (National Wildland Coordinating Group). FS 77 Human Factors on the Fireline L-180 and FS 61-Basic Firefighter Training (Basic 32) or FS 60 – Wildland Firefighter (CDF Basic 67).

17 hours lecture (1 week)

This training course is designed as a self-assessment opportunity for individuals preparing to step into a leadership role. The course combines one day of classroom instruction followed by a second day in the field with students working through a series of problem solving events in small teams (Field Leadership Assessment Course). Must have experience on fire incident assignments in operations or support functions to receive NWCG Certificate.

## **FS 79A – Ground Support Unit Leader (S-355) 2.0 units**

**Prerequisite:** None.

32 hours lecture

This course is designed to meet the national core training needs of the Ground Support Unit Leader.



## **FS 82 - Fire Command 1A**

**2.0 units**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

6.5 hours lecture (6 weeks)

This course is designed to provide fire company officers with information and experience in command and control techniques used at the scene of an emergency. Emphasizes decision-making, the act of commanding, the authority, the personnel, organization structure and preplanning and training techniques. This course will require an additional fee for the costs of training manuals and certificate as required by the Office of State Fire Training.

## **FS 83 - Fire Command 1B**

**2.0 units**

**Prerequisite:** FS 82 - Fire Command 1A

6.5 hours lecture (6 weeks)

This course provides the student with information on tactics, strategies, and scene management for multi-casualty incidents, hazardous materials incidents, and wildland fires. Each student also has the opportunity to increase his or her knowledge and skills by handling initial operations at these types of incidents through simulation and class activities. This course will require an additional fee for the costs of training manuals and certificate as required by the Office of State Fire Training.

## **FS 84 - Lessons Learned (Fatality Fire Case Studies)**

**1.0 unit**

**Prerequisite:** S-130 (Basic Firefighter), S-190 (Fire Behavior), and have one season of experience in wildland fire suppression as mandated by the federal requirements of NWCG.

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

4 hours lecture/1 hour lab

(4 weeks)

The purpose of the Lessons Learned training course is by its nature firefighting is a dangerous undertaking. Wildland fires are dangerous because they are dynamic and constantly changing as the result of many complex factors. Unfortunately, sometimes wildland fires bring death and injury to firefighters. Each firefighter fatality should motivate us to study the incident, learn from it, and share the lessons of this blunt but effective teaching tool so that others may engage wildland fires without paying such a price.

## **FS 85 - Understanding Maps, Compass, and GPS**

**1.0 unit**

**Recommended Preparation** Successful completion of ENGL105 or equivalent assessment placement.

16 hours lecture (1 week)

Learn to navigate using topographic and other maps used with the compass and Global Positioning Systems (GPS). Discusses topography contours, map scales, and map projections. Navigate in the field using inexpensive modern compass and GPS receiver to define desired directions of travel and use them on the ground. Discussion of different hand-held GPS receivers, their usefulness, accuracy, and important features for use in the field. Students will learn how to use the GPS receiver and/or compass with map to determine accurate altitude information in land navigation and how to minimize navigation errors caused by the effects of weather and other natural interference.

## **FS 86 - Emergency Vehicle Operation**

**0.5 unit**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

8 hours lecture (1 week)

This course is designed to simulate situations where individuals will be maneuvering apparatus while driving in emergency situations. The course will simulate emergency vehicle operations with becoming familiar with route selection, lights and sirens, negotiating intersections, following and passing vehicles, high-speed driving, dealing with adverse conditions and contingencies. Course is repeatable as necessary to maintain certification.

## **FS 87 - Expanded Dispatch Recorder (D-110)**

**1.0 unit**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

16 hours lecture (2 days)

This course is designed to train potential dispatch recorders on the structure of an expanded dispatch organization and effectively perform within that organization. The course will instruct the student on the use of local telecommunications equipment. It will provide the student with a working knowledge of the purpose and process of completing the resource order and other dispatch forms. It will also provide instruction on established dispatch procedures.

## **FS 88 - Initial Attack Incident Commander (S-200)**

**1.0 unit**

**Prerequisite(s):** FS-74 Fire in the Interface (S-215)

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

16 hours lecture

This course is designed to meet the training needs of the Incident Commander type 4. It is presented in a discussion/exercise format. The six instructional units include Foundation Skills; Intelligence Gathering and Documentation; Size up the Incident; Develop a Plan of Action; Post-Fire Activities; Evaluating Incident Objectives; and Manage the Incident. Must have a single resource boss to receive NWCG Certificate.

## **FS 89 – Wildland Fire Chainsaws (S-212)**

**1.5 unit**

**Prerequisite(s):** FS-61 Basic Firefighter Training (Basic 32))

24 hours lecture/4 hours lab (1 week)

This course provides an introduction to the function, maintenance and use of internal combustion engine powered chainsaws and their tactical wildland fire application. Field exercises support entry level training for firefighters with little or no previous experience in operating a chain saw, providing hands-on cutting experience in surroundings similar to fireline situations. Repeatable as needed for certification.

## **FS 90 – Portable Pumps and Water Use (S-211)**

**1.0 unit**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

16 hours lecture/4 hours lab (1 week)

This course is designed to meet training needs of a Firefighter Type 1 or Incident Commander Type 5. Course content will provide the knowledge and skills needed to design, set up, operate, troubleshoot, and shut down portable water delivery systems.



## **FS 98.18 – Annual Fire Refresher Training**

**0.5 unit**

**Prerequisite(s):** FS-61 Basic Firefighter Training (Basic 32))

8 hours lecture (1 Day)

Purpose of wildland fire suppression is to minimize damage to resources, property and the environment. This should be accomplished in the most operationally effective and fiscally responsible manner. But above all, we need to remember that no resource or property values are worth endangering life. Providing for the safety of firefighters is the number one priority and responsibility of every individual. This course requires an additional fee of \$2.00 to cover the costs of handouts and a pocket guide. This course may be taken as legally mandated.

## **FS 98.20 – Annual Hired-Equipment Refresher Training**

**0.5 unit**

8 hours lecture (1 Day) (R)

This course provides an annual review and update of regulations and guidelines for the safe operation of fire suppression equipment. This course requires an additional fee of \$2.00 to cover the costs of handouts and a pocket guide. Also required is a \$20.00 fee for State Fire Training Certification/Registration fee as mandated by Cal Fire. There is also a \$2.00 fee for a certificate. This course may be taken as legally mandated.

## **FS 98.21 – Volunteer Firefighter Academy**

**2.5 unit**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

2 hours lecture/2 hours lab

This Volunteer Firefighter Program will reduce confusion among volunteer firefighters by setting clear, realistic and achievable standards for certification as a volunteer firefighter that are consistent with recognized standards. It is designed to be an improvement over the current State Fire Marshal Volunteer Firefighter certification by incorporating pertinent portions of the California State Fire Marshal Firefighter-1 requirements. This course may be taken as legally mandated for certification requirements. An additional State Certification Fee will be required.

## **GEOGRAPHY**

### **GEOG 1 - Physical Geography**

**3.0 units**

**CSU/UC**

#### **CSU GE Area B1/IGETC Area 5A Associate Degree Area A**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placements.

3 hours lecture

A study of the physical elements of the earth, including an understanding of maps and mapping; the influences of the solar system, climate and weather; the formation of land forms, soils and natural vegetation.

### **GEOG 2 - Cultural Geography**

**3.0 units**

**CSU/UC**

#### **CSU GE Area D5/IGETC Area 4E Associate Degree Area B**

#### **C-ID GEOG 120**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture

The study of the varieties of human use and misuse of ecological landscapes. Emphasis is placed on the regional distribution of population, settlement patterns and migration, religion, ethnicity, political organization, economic systems, agriculture and industry. This course has been approved for correspondence delivery.

## **GEOLOGY**

### **GEO 1 - Physical Geology**

**4.0 units**

**CSU/UC**

#### **CSU GE Areas B1, B3/IGETC Area 5A 5C**

#### **Associate Degree Area A**

#### **C-ID GEO 101**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture/3 hours lab

Pursuit of understanding the physical classification of rocks and minerals of the earth as a whole and its past, present and future evolutionary processes. Unifying concepts such as plate tectonics and its implications, the magnitude of geologic time, uniformitarianism, and the ramifications of the fossil record will be explored. This course includes field trips to areas of geological interest.

## **GEOL 5 - Historical Geology & Paleontology**

**4.0 units**

**CSU/UC**

**CSU GE Areas B1 & B3/IGETC Area 5A 5C**

**Associate Degree Area A  
C-ID GEOL 111**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture/3 hours lab

This course is designed to provide a descriptive geological history of the earth using the principles and methods of interpretation and reconstruction of the changes that have occurred on the earth in the fossil record.

## **GUNSMITHING**

### **SHORT TERM COURSES**

#### **GSS 49 - Gunsmithing Work Experience**

**1.0-8.0 units**

**CSU**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

5-40 hours lab (R)

This course enables students with educational or career goals in gunsmithing, who are working in the field of gunsmithing, to build related job specific skills through individualized learning objectives and enhance their workplace performance. Attendance of an on campus orientation session is required for all Work Experience enrollments. Students complete an online expanded orientation module addressing workplace success skills throughout the term. Subsequent enrollments require new individualized learning objectives. Units are awarded based upon achievement of approved learning objectives, workplace performance, submission of course assignments, and documentation of work hours. Enrollment in Work Experience courses is limited to a maximum of 16 units, including all Vocational, Occupational and General Work Experience enrollments. Title V specifies students will earn 1 unit of credit for each 75 hours paid work, and 1 unit of credit for each 60 hours volunteer work. This course has been approved for hybrid delivery.

#### **GSS 50 - Fundamentals of Rifle Shooting**

**0.5 unit**

32 hours lab (1 week)

This course is designed to provide instruction in basic through advanced skills of rifle shooting. The fundamentals of rifle marksmanship will be covered with emphasis on safety and shooting discipline. The student will be introduced to both conventional small bore rifle bulls eye through advanced metallic silhouette shooting.

#### **GSS 50.01 - Recoil Pad and Sling Swivel Installation**

**1.0 unit**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

6 hours lecture/33 hours lab (1 week)

This course is designed to cover the installation and fitting of recoil pads and sling swivels to firearm stocks, wood, hollow wood and synthetic. Includes determining pitch, cutting stock, locating, drilling and tapping pad screw holes and sealing of stock. This also covers fitting of pads using a fixture and without one.

#### **GSS 50.03 - Open and Optical Sight Installation**

**1.0 unit**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

6 hours lecture/33 hours lab (1 week)

This course is designed to cover cutting dovetails, drilling and tapping for open sights and soft soldering, sights and ramps. Covers the installation of open and peep rear sights and blade and ramp front sights. This course will also cover drifting of sights when necessary.

#### **GSS 51 - Fundamentals of Pistol Shooting**

**0.5 unit**

32 hours lab (1 week)

This course is designed to provide instruction in basic through advanced skills of pistol shooting. The fundamentals of pistol marksmanship will be covered with emphasis on safety and shooting discipline. The student will be introduced to conventional small bore pistol bulls eye through metallic silhouette shooting.



#### **GSS 51.01 - Stock Inletting**

**1.0 unit**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

6 hours lecture/33 hours lab (1 week)

This course is designed to provide the student with the knowledge to inlet and install forend tips and grip caps. The students will also learn to shape a center fire rifle stock. The inletting and shaping of two-piece stocks will also be covered, as well as the use of inletting tools and markers.

#### **GSS 51.05 - Glass Bedding for Strength and Accuracy**

**1.0 unit**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

6 hours lecture/33 hours lab (1 week)

This course is designed to cover the reinforcing and glass bedding of stocks for strength as well as the repairing of broken stock and shocks for heavy recoiling calibers.

#### **GSS 51.06 - Wood Stock Finishing**

**1.0 unit**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

6 hours lecture/33 hours lab (1 week)

This course is designed to provide the student with knowledge and skills to produce a high quality finished stock. The use of sanding techniques, stains and various finishes will be covered.

#### **GSS 52 - Fundamentals of Shotgun Shooting**

**0.5 unit**

32 hours lab (1 week)

This course is designed to provide instruction in basic through advanced skills of shotgun shooting. The fundamentals of shotgun shooting will be covered with emphasis on safety and discipline. The students will be introduced to straightaway targets and advance to moving targets.

#### **GSS 52B - Firearms Training**

**0.5 unit**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

8 hours lecture/8 hours lab (R)

A course certified to qualify students to meet the minimum California requirement for Carry Concealed Weapons permit. (This course shall not exceed 16 hours per California Penal Code Section 12050.) Repeatable as necessary to maintain certification.



## **GSS 52BR - Firearms Training Refresher**

### **0.5 unit**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

8 hours lecture (R)

This course is a refresher course to meet state requirements for concealed weapons permit. Repeatable as needed to maintain certification.

## **GSS 52.01 - Gunsmith Machining 1**

### **2.0 unit**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

12 hours lecture/66 hours lab (2 weeks)

This course is designed to cover tool sharpening, types of steels, cutting speeds, use of precision measuring tools, cutting and turning steel in chuck and between centers to precise dimensions, cutting "V", square and buttress threads and the design and fabrication of simple bolt and action holding fixtures.

## **GSS 52.02 - Gunsmith Machining 2**

### **2.0 unit**

**Prerequisite:** GSS 52.01 - Gunsmith Machining 1

12 hours lecture/66 hours lab (1 week)

This course is designed to cover turning of short tapers between centers, grinding and use of form tools, turning inside and outside radius as well as freehand radiusing. Includes cutting of barrel cone and safety breaching as well as American and European barrel transition contours.

## **GSS 52.03 - Gunsmith Machining 3**

### **2.0 unit**

**Prerequisite:** GSS 52.02 - Gunsmith Machining 2

12 hours lecture/66 hours lab (1 week)

This course is designed to cover basic milling operations, cutting speeds, types of cutters and types of cutting. For hardened and unhardened firearm steels with an emphasis on safe procedures for forearm parts.

## **GSS 52.04 - Gunsmith Machining 4**

### **1.0 unit**

**Prerequisite:** GSS 52.03 - Gunsmith Machining 3

6 hours lecture/33 hours lab (1 week)

This course is designed to cover the cutting of internal threads and the machining of internal tapers on a lathe as used in firearm manufacture.

## **GSS 52.05 - Gunsmith Machining 5**

### **1.0 unit**

**Prerequisite:** GSS 52.04 - Gunsmith Machining 4

6 hours lecture/33 hours lab (1 week)

This course is designed to cover the use of a dividing head on a milling machine, the manufacturing of octagonal barrels; square parts and multifaceted parts are covered. Includes dimensional limits for adequate protection against barrel burst from modern high intensity cartridges. This course may be taken for a total of two enrollments.

## **GSS 52.06 - Gunsmith Machining 6**

### **1.0 unit**

**Prerequisite:** GSS 52.05 - Gunsmith Machining 5

6 hours lecture/33 hours lab (1 week)

This course is designed to cover the turning of long work pieces such as barrels or long straight shafts. Includes taper turning, stopping chatter, turning long increasing radii.

## **GSS 54.05 - Hardening & Tempering of Carbon Steels**

### **1.0 unit**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

6 hours lecture/33 hours lab (1 week)

This course is designed to cover the hardening and tempering of carbon and carbon alloy steels as used in firearms.

## **GSS 55.04 - Stock Refinish and Repair**

### **1.0 unit**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

6 hours lecture/33 hours lab (1 week)

This course is designed to provide the student with knowledge and skills required to repair and refinish stocks, the raising of dents, filling of cracks, reinforcing weak area and re-cutting of checkering will be covered in depth. Sealing and matching finish of repaired areas will also be covered.

## **GSS 56.01 - Headspace**

### **1.0 unit**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

6 hours lecture/33 hours lab (1 week)

This course is designed to cover the measurement, dangers of and correction of headspace in all types of firearms, included are screw-in and pin-in barrels as well as pivot barrel guns. Also covered are systems where the barrel is not removable.

## **GSS 56.03 - Bolt Action Barrel Fitting**

### **1.0 unit**

**Prerequisite:** GSS 52.02 Gunsmith Machining 2

6 hours lecture/33 hours lab (1 week)

This course is designed to cover the threading, fitting and chambering of barrel to bolt action receivers, cone breech, safety breech and mauser-types are studied.

## **GSS 56.04 - Barrel Contouring**

### **1.0 unit**

**Prerequisite:** GSS 52.02 Gunsmith Machining 2

6 hours lecture/33 hours lab (1 week)

This course is designed to cover the lathe turning of barrels to pre-selected diameters, tapers and contours, as used in bolt action rifles. Also covered is the polishing to get all irregularities and machining marks out of the barrel.

## **GSS 57.01 - Bolt Action Breaching and Headspace**

### **1.0 unit**

**Prerequisite:** GSS 52.02 Gunsmith Machining 2

6 hours lecture/33 hours lab (1 week)

This course is designed to cover the breaching and head spacing of bolt-action rifles. Information learned is usable for most other types of rifles. Included is threading, fitting shank to bolt and chambering.

## **GSS 57.02 - Action Blueprinting**

### **1.0 unit**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

6 hours lecture/33 hours lab (1 week)

This course is designed to cover the truing of the face, lugs and threads of a bolt-action receiver and truing the lugs, lip and face of a bolt to gain the best possible accuracy from an action.

## **GSS 57.03 - Action and Bolt Modifications**

### **1.0 unit**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

6 hours lecture/33 hours lab (1 week)

This course is designed to cover the preparation of military action for sporting use, covers installation and adjustment of triggers and safeties, drilling and tapping, bolt alterations and removal of clip bridges.



**GSS 57.06 - Trueing Exterior of Action****1.0 unit****Prerequisite:** GSS 52.03 Gunsmith Machining 3

6 hours lecture/33 hours lab (1 week)

This course is designed to cover the trueing of the exterior of commercial and military actions using a lathe and/or mill depending on the type of action.

**GSS 57.08 - Bottom Metal Modifications****1.0 unit****Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

6 hours lecture/33 hours lab (1 week)

This course is designed to cover the custom modifications to trigger guards and floor plates of bolt-action rifles. Includes sculpturing of guard bows, various types of floor plate releases, filing holes and altering profiles.

**GSS 57.15 - Bolt Action Rifle Feeding****1.0 unit****Prerequisite:** GSS 52.04 Gunsmith Machining 4

6 hours lecture/33 hours lab (1 week)

This course covers the alteration of bolt-action fixed magazine center fire rifles, to feed a different size cartridge for which they were originally designed.

**GSS 58.02 - Pressure Bedding and Pillar Bedding****1.0 unit****Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

6 hours lecture/33 hours lab (1 week)

This course is designed to cover the pressure bedding of bolt-action rifle barrels in wood stocks and the pillar bedding of actions in composite and/or wood stocks.

**GSS 59.02 - Metal Preparation for Refinishing and Caustic Bluing****1.0 unit****Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

6 hours lecture/33 hours lab (1 week)

This course is designed to cover the metal preparation and caustic bluing of ferrous firearm parts. Includes metal preparation, degreasing, bluing, and neutralizing of firearm parts.

**GSS 59.03 - Parkerizing****1.0 unit****Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

6 hours lecture/33 hours lab (1 week)

This course is designed to provide the student with the process of phosphate coating - parkerizing of steel firearm parts, as used on some military firearms and for extreme weather protection.

**GSS 59.04 - Color Case Hardening****1.0 unit****Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

6 hours lecture/33 hours lab (1 week)

This course is designed to provide the student with the old style color case hardening process as used on firearm parts 100 years old. This course includes metal preparation, color hardening and after treatment.

**GSS 59.05 - Rust Bluing****1.0 unit****Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

6 hours lecture/33 hours lab (1 week)

This course is designed to cover the cold rust, niter, bluing process used until the early 20th century. This is one of the processes used for soft soldered barrels and for restoration of 19th century firearms.

**GSS 59.07 - Niter Bluing and Heat Coloring****1.0 unit****Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

6 hours lecture/33 hours lab (1 week)

This course is designed to cover the nitrogen and heat coloring processes commonly used until the 1930's to give firearm parts the bright royal blue, straw or other selected colors as found on many antique firearms.

**GSS 59.09 - Alternative Metal Finishes****1.0 unit****Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

6 hours lecture/33 hours lab (1 week)

This course is designed to cover alternative metal finishes available to the gunsmith. Topics will include Teflon Coating, Powder Coating, Aluminum Anodizing as well as other metal finishes. This course may be taken for a total of two enrollments.

**GSS 60 - Firearms Safety****0.5 unit****Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

7 hours lecture/4 hours lab (1 week)

This course has been designed to provide instruction on safety procedures for firearms (Rifle, Pistol, Revolver and Black Powder). This course will introduce the moral and legal aspects of hand carried firearms. The elements of California's Hunters Safety Course will be covered.

**GSS 60.01 - DFR Recoil Operated Auto Shotguns****1.0 unit****Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

6 hours lecture/33 hours lab (1 week)

This course is designed to cover the function and repair of recoil operated auto shotguns in use today. The base firearm studied will be the Browning A-5 and clones. Other models will be studied showing their differences with the Browning design.

**GSS 60.02 - DFR Gas Operated Auto Shotguns****1.0 unit****Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

6 hours lecture/33 hours lab (1 week)

This course is designed to cover the design, function and repair of gas-operated shotguns in use today. Includes all aspects of their working, what can go wrong and the correct fixes. The base gun is the Remington 1100, 11-87. Other guns will be studied where they differ from the Remington.

**GSS 60.04 - DFR Pump Shotguns****1.0 unit****Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

6 hours lecture/33 hours lab (1 week)

This course is designed to cover the design, function and repair of pump shotguns in common use today. The base gun studied is the Remington 870, but also covered in detail are the Savage 30, 77 and 520; Mossberg 500, 550 and cones; the Ithaca 37 and 87 and the Winchester 1200 and 1300.

### **GSS 61.01 - DFR Single Action Revolvers**

#### **1.0 unit**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

6 hours lecture/33 hours lab (1 week)

This course is designed to cover the fitting, timing and repair of single action revolvers. Includes cylinder fit, barrel-cylinder gap, bolt and hand fit and timing, action shooting and modifications for cowboy and fast draw shooting.

### **GSS 61.02 - DFR Smith & Wesson Revolvers**

#### **1.0 unit**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

6 hours lecture/33 hours lab (1 week)

This course is designed to provide the student with knowledge and skills in the design, function and repair of all systems of the Smith and Wesson type revolvers. This course also covers fitting of barrels and cylinders as well as all moving parts, and smoothing of the action.

### **GSS 61.03 - DFR Colt and Ruger Double Action Revolvers**

#### **1.0 unit**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

6 hours lecture/33 hours lab (1 week)

This course is designed to cover the design, function and repair of Colt D, E, F and I frame revolvers, covers all phases of repair including endshake, range and throw-by.

### **GSS 62.03 - Misfire Correction**

#### **1.0 unit**

##### **Prerequisites:**

6 hours lecture/33 hours lab (1 week)

This course is designed to cover the causes and cures of misfiring in all types of sporting arms. Includes firing pin placement, energy and velocity and how to adjust for optimum performance.

### **GSS 62.04 - Correcting Oversize Firing Pin Holes**

#### **1.0 unit**

**Prerequisites:** GSS 52.01 Gunsmith Machining 1

6 hours lecture/33 hours lab (1 week)

This course is designed to cover the correction of oversize firing pin holes by the bushing and welding methods. Includes the refitting of firing pins and heat-treating when needed.

### **GSS 63.01 - Single Triggers**

#### **1.0 unit**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

6 hours lecture/33 hours lab (1 week)

This course is designed to cover the design, function and repair of single trigger systems as found in double guns. Includes single nonselective and single selective triggers as well as single double triggers and double single triggers.

### **GSS 63.02 - Ejectors**

#### **1.0 unit**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

6 hours lecture/33 hours lab (1 week)

This course is designed to cover the design, function and repair of ejectors as found in double guns. Includes hammer types and spring-loaded types. Fitting, timing and repair of the complete system.

### **GSS 63.03 - Double Gun Locks**

#### **1.0 unit**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

6 hours lecture/33 hours lab (1 week)

This course is designed to provide the student with the knowledge and skills of design, function and repair of hammerless double gun locks in common usage over the past 120 years. This course also provides information covering most types of self-cocking systems.

### **GSS 63.04 - Double Gun Locking Systems**

#### **1.0 unit**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

6 hours lecture/33 hours lab (1 week)

This course is designed to provide the student with knowledge and skills of the design, function and repair of locking systems in common use in pivot barrel guns during the past 130 years.

### **GSS 63.05 - Double Gun Hinge Pins and Headspace**

#### **1.0 unit**

**Prerequisites:** GSS 52.01 (Gunsmith Machining I)

6 hours lecture/33 hours lab (1 week)

This course is designed to provide the student with knowledge and skills in the function, fabrication and replacement of hinge pins in pivot barrel guns and the adjustment of headspace in pivot barrel shotguns and rifles.

### **GSS 64.01 - Composition Stock Fitting, Bedding and Finishing**

#### **1.0 unit**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

6 hours lecture/33 hours lab (1 week)

This course is designed to provide the student with the skills necessary to fit a composition stock to a barreled action, magazine and trigger guard assembly as well as bedding the stock to the action, including fitting accessories and finishing.

### **GSS 66.01 - Non-Bolt Action Rifle Barrel Fitting**

#### **1.0 unit**

**Prerequisites:** GSS 52.02 Gunsmith Machining 2 and GSS 56.03 Bolt Action Barrel Fitting

6 hours lecture/33 hours lab (1 week)

This course is designed to provide the student with the skills necessary to thread and fit barrels to lever and pump action rifles in common use today, as well as single shots.

### **GSS 66.02 - Revolver Barrel Fitting and Ranging**

#### **0.5 unit**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

6 hours lecture/33 hours lab (1 week)

This course is designed to cover the removal and fitting of revolver barrels, screw-in and pin-in types. Includes adjusting barrel-cylinder gap, throat and tightening loose barrels.

### **GSS 66.03 - .22 Barrel Fitting**

#### **1.0 unit**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

6 hours lecture/33 hours lab (1 week)

This course is designed to cover the fitting of replacement barrels to the various .22 rim fire rifles in use today. Includes tightening, re-indexing and setting barrels back but does not cover adjusting of fitting barrels of pivot barrel guns.



**GSS 67.01 - Blowback Principle**  
**1.0 unit**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

6 hours lecture/33 hours lab (1 week)

This course is designed to cover the blowback principle as a locking system. Includes troubleshooting, balancing for heavier or lighter loads, extraction-ejection problems, a thorough understanding of the principle is extremely useful in diagnosing problems in all types of automatics.

**GSS 68.01 - DFR Locked Breech Single Action Auto Pistols**  
**1.0 unit**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

6 hours lecture/33 hours lab (1 week)

This course is designed to cover the design, function and repair of common locked breech single action pistols. This course also includes locking systems, feeding, extractors, ejection, magazines, etc., with emphasis on problem solving and reliability. The base firearm is the Colt-Browning type 45 auto.

**GSS 68.02 - DFR Locked Breech Double Action Auto Pistols**  
**1.0 unit**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

6 hours lecture/33 hours lab (1 week)

This course will cover the design, function and repair of double action locked breech auto pistols. Emphasis is on repair and reliability. Most current designs are studied.

**GSS 68.03 - DFR Blowback Auto Pistols**  
**1.0 unit**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

6 hours lecture/33 hours lab (1 week)

This course will cover the design, function and repair of blowback operated auto pistols in use today. Most systems and types are studied, including headspace, sear systems, feeding, ramps, magazines and extractors.

**GSS 69.01 - DFR Auto Rifles**  
**1.0 unit**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

6 hours lecture/33 hours lab (1 week)

This course is designed to cover the design, function and repair of modern auto sporting rifles, excepting "assault" rifles.

**GSS 69.02 - DFR Pump Rifles**  
**1.0 unit**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

6 hours lecture/33 hours lab (1 week)

1.0 Unit

This course is designed to provide the student with knowledge and skills in design, function and repair of center fire pump rifles in common use today. This course includes fire control, feeding, extraction, ejection and accuracy, as well as fabrication of parts for obsolete models.

**GSS 69.03 - DFR Lever Action Rifles**  
**1.0 unit**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

6 hours lecture/33 hours lab (1 week)

This course is designed to cover the design, function and repair of lever action rifles in common use today. The base gun is the Winchester 94. The Marlin 336 and Savage 99 are also studied in detail.

Lesser models such as the Winchester 76, 86, 88 and Marlin 92, 94 and 95 are studied to a lesser degree.

**GSS 69.04 - Non-Bolt Action Feeding**  
**1.0 unit**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

6 hours lecture/33 hours lab (1 week)

This course is designed to provide the student with skills and abilities to repair and adjust all feed systems, except those found in bolt action, center fire rifles. This course also includes tube feed and magazine feed .22's, shotguns, handguns and center fire rifles. Converting to a larger or smaller cartridge is also covered.

**GSS 70 - Checkering**  
**1.0 unit**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

4 hours lecture/46 hours lab (1 week)

An introductory course designed to provide the students with the basic skills of checkering. Instruction includes tools and equipment and their use, pattern design, layout and transfer, cutting of patterns and borders.

**GSS 70.01 - DFA Triggers 1**  
**1.0 unit**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

6 hours lecture/33 hours lab (1 week)

This course is designed to cover the design, function and adjustment of all types of trigger systems except trigger systems with three or more sears and/or adjustable levers. Includes virtually every type of trigger system found in modern sporting firearms except high quality target guns. Conventional, articulated, cam, Colt-type and double sear-types are covered.

**GSS 70.02 - DFA Triggers 2**  
**1.0 unit**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

6 hours lecture/33 hours lab (1 week)

This course is designed to cover the design, function and adjustments of multiple sear adjustable lever triggers systems as used in high-grade firearms and air guns.

**GSS 71 - Custom Rifle Seminar**  
**1.0 unit**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

4 hours lecture/46 hours lab (1 week)

A course designed to provide the student with an overview of advanced state of the art in design, technique and tools for the custom classic rifle maker, including tools and equipment and their use, design, checkering, metal accessories, wood finish, metal finish, laying out a blank and metal checking.

**GSS 71.01 - DFR .22 Autos**  
**1.0 unit**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

6 hours lecture/33 hours lab (1 week)

This course is designed to cover the design, function and repair of .22 automatic rifles in common use today. All aspects are studied including extraction, ejection, fire control, headspace and feeding, with emphasis on malfunction repairs.





### **GSS 71.02 - DFR Bolt Action .22's** **1.0 unit**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

6 hours lecture/33 hours lab (1 week)  
This course is designed to provide the student with knowledge and skills in design, function and repair of bolt action .22 rifles. The simplest single shots to advanced target models are studied. All systems are covered from cartridge feed systems and extraction to triggers.

### **GSS 71.03 - DFR Pump and Lever Action .22's** **1.0 unit**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

6 hours lecture/33 hours lab (1 week)  
This course is designed to cover the design, function and repair of the pump and lever action .22 rifles in common use today. Includes rifles made by Browning, Remington and Winchester but does not cover the Marlin Model 39.

### **GSS 71.04 - DFR Marlin Model 39** **1.0 unit**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

6 hours lecture/33 hours lab (1 week)  
This course is designed to cover all aspects of the design, function and repair of these fine .22 rifles. Includes the very old models made before 1900 up to the present version and the center fire variants.

### **GSS 72 - Fiberglass Stockmaking** **1.0 unit**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

4 hours lecture/46 hours lab  
(1 week) (R)

A course introducing skills, procedures, and techniques of finishing a fiberglass stock, including history, materials, bedding, filling, sanding, painting, accessories, and accuracy. This course may be taken for a total of two enrollments.



### **GSS 72.01 - Metallic Cartridge Reloading** **1.0 unit**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

6 hours lecture/33 hours lab (1 week)  
This course is designed to cover the basics of metallic cartridge reloading, both pistol and rifle. Covers sorting, cleaning, lubing, sizing, de-priming, selection of charge, charging, seating and crimping.

### **GSS 73.02 - Spring Making** **1.0 unit**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

6 hours lecture/33 hours lab (1 week)  
This course is designed to cover the making of irregular shaped wire springs from basic round spring stock, using a semi-universal spring winding fixture that the student fabricates and the making of flat or "V" springs.

### **GSS 75.02 - Firearm Laws and Regulations** **1.0 unit**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

6 hours lecture/33 hours lab (1 week)  
This course is designed to cover the study of the thousands of Federal and State Firearms Laws.

### **GSS 76 – Accurizing GAS-OP Rifles for Competition** **1.0 unit**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

4 hours lecture/46 hours lab (1 week)  
An introductory course that will study metal to wood relationships that effect accuracy of these famous rifles for national match competition. Modification of bedding and tuning of functional parts for accuracy and reliability will be accomplished. Students will test fire their rifles before and after accurizing work.

### **GSS 77 - Accurizing M1-M1A for Competition** **1.0 unit**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

4 hours lecture/44 hours lab (1 week)  
This course is designed to present state of the art bedding techniques of M1-M1A rifles for national match competition. Mechanics aspects of tuning for accuracy and reliability will be discussed and

accomplished. Participants will have an opportunity to test fire their rifles before and after accurizing. This course requires an additional fee of \$19 to cover the costs of course handouts, bedding material, sandpaper, steel, wood finish, and small parts (pins, roll pins, small springs, etc.).

### **GSS 78 - Design & Repair: .22 Autopistols** **1.0 unit**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

4 hours lecture/46 hours lab 1.0 Unit  
An advanced course designed to train the student to fine tune .22 autopistols to very close factory specifications. Diagnosis and repair of malfunctioning pistols will be emphasized.

### **GSS 79 - Basic Correctional Armorer's School** **1.0 unit**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

4 hours lecture/36 hours lab (1 week)  
An introductory course designed to train correctional officers to maintain their firearms and department firearms to factory service. This course requires an additional fee of \$19 to cover the costs of course handouts, bluing salts, sandpaper, small parts (pins, roll pins, small springs, etc.), and steel.

### **GSS 80 - Custom Rifle Seminar- Metalsmithing** **1.0 unit**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

4 hours lecture/46 hours lab (1 week)  
A course designed to provide the student with an overview of advanced state of the art in design, technique and tools for custom rifle metalsmith. Instruction includes tools and equipment and their use. The course includes common metal customizing and modifications.

### **GSS 81 - Custom Rifle Seminar- Single Shot Rifle** **1.0 unit**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

4 hours lecture/46 hours lab (1 week)  
An introductory course designed to provide the student with an overview of the methods and techniques of updating and customizing the single shot rifle.



**GSS 82 - General Gunsmithing  
1.0 unit**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

4 hours lecture/46 hours lab (1 week)

A course designed to introduce the student to gunsmithing basics to include, firearms malfunctions, diagnosis and repair. This course requires an additional fee of \$19 to cover the costs of sandpaper (course, medium, fine, very fine, grits), emery cloth (course, medium, fine and very fine grits), sanding belts, polishing wheels and polishing compound, welding rod (GTAW), cutting oil.

**GSS 83 - General Gunsmithing-  
Advanced  
1.0 unit**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

4 hours lecture/46 hours lab (1 week)

An advanced course in general gunsmithing problems and techniques including drilling and tapping for sights, spring making and silver soldering.

**GSS 84 - L.E.A.S./Design and  
Repair Colt & Ruger Revolvers  
1.0 unit**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

4 hours lecture/36 hours lab (1 week)

A course designed to train the student to fine tune and maintain Colt and Ruger revolvers to very close factory specifications, and to diagnose malfunctions and adjust or repair malfunctioning revolvers.

**GSS 85 - L.E.A.S./Design and  
Repair Smith & Wesson Revolvers  
1.0 unit**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

4 hours lecture/36 hours lab (1 week)

Trains the student to fine tune Smith & Wesson revolvers to very close factory specifications, and to maintain, diagnose malfunctions and adjust or repair these malfunctioning revolvers.

**GSS 86 - L.E.A.S./Design and  
Repair Shotguns  
1.0 unit**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

4 hours lecture/36 hours lab (1 week)

Trains the student to fine tune shotguns to very close factory specifications, and to maintain, diagnose malfunctions and adjust or repair these malfunctioning shotguns.

**GSS 87 - L.E.A.S./Design & Repair  
Double Action Autopistols I  
1.0 unit**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

4 hours lecture/36 hours lab (1 week)

An advanced course designed to train the student to fine tune the following families of double-action autopistols to very close factory specifications and to maintain them, diagnose malfunctions and adjust or repair these malfunctions. Firearms to be covered are Smith & Wesson autopistols, Sig Sauer autopistol and Ruger autopistol. This course requires an additional fee of \$19 to cover the costs of course handouts, blocking material, cutting oil, glue, sandpaper, small parts (pins, roll pins, small springs, etc.), steel, welding rod and gases.

**GSS 88 - L.E.A.S./Design and  
Repair Single Action Autopistols  
1.0 unit**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

4 hours lecture/36 hours lab (1 week)

A course designed to train the student to fine tune single action autopistols to very close factory specifications, and to maintain, diagnose malfunctions and adjust or repair these malfunctioning autopistols. This course requires an additional fee of \$19 to cover the costs of course handouts, blocking material, cutting oil, glue, sandpaper, small parts (pins, roll pins, small springs, etc.), steel, welding rod and gases.



**GSS 89 - L.E.A.S./Design and  
Repair Full Autos, Phase I  
1.0 unit**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

4 hours lecture/36 hours lab (1 week)

An advanced course designed to train law enforcement armorers in the repair and maintenance of fully automatic firearms. This course requires an additional fee of \$19 to cover the costs of course handouts, blocking material, cutting oil, glue, sandpaper, small parts (pins, roll pins, small springs, etc.), steel, welding rod and gases.

**GSS 90 - Customizing the Colt-  
Type Autopistol, Basic  
2.0 units**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

1 hour lecture/3 hours lab (1 week)

A course designed to cover the specific basic alterations and modifications to the Colt 1911A1 type autopistols as used in custom pistolsmithing today.

**GSS 91 - Customizing the Colt-  
Type Autopistol, Advanced  
2.0 units**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

8 hours lecture/88 hours lab (2 weeks)

A course designed to cover the common advanced alterations and modifications to the Colt 1911A1 type autopistols as used in custom pistolsmithing today. This course requires an additional fee of \$19 to cover the costs of course handouts, blocking, sandpaper, small parts (pins, roll pins, small springs, etc.), steel, cutting oil, welding rod and gases.

**GSS 93 - L.E.A.S./Design and  
Repair-Counter Sniper/Varmint Rifle  
1.0 unit**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

4 hours lecture/36 hours lab (1 week)

An advanced course designed to train law enforcement officers and gunsmiths in the accurizing and maintenance of super accurate bolt action rifles. This course requires an additional fee of \$19 to cover the costs of course handouts, bedding material, small parts (pins, roll pins, small springs, etc.), and steel.

## **GSS 94 - Ballistics, Handloading & Testing**

### **1.0 unit**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

4 hours lecture/46 hours lab (1 week)

A course designed to provide the student with detailed knowledge of small arms ammunition. This course requires an additional fee of \$19 to cover the costs of course handouts, case lube, powder, primers, and bullets.

## **GSS 95 - Law Enforcement Armorer School-Basic**

### **1.0 unit**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

4 hours lecture/46 hours lab (1 week)

An introductory course designed to train law enforcement officers to maintain departmental firearms to factory service levels. Firearms to be covered are Smith & Wesson revolver, Smith & Wesson autopistol, Colt single action autopistol and Remington 870 shotgun. This course required an additional fee of \$19 to cover the costs of course handouts, bluing salts, sandpaper, small parts (pins, roll pins, small springs, etc.), steel, welding rod, and gases.

## **GSS 98.02 Cowboy Action Shooting Long Guns**

### **1.0 unit**

4 hours lecture/44 hours lab (1 week)

This course is designed to present specialized techniques that deal with the fine-tuning of Winchester and Marlin lever action rifles for cowboy action shooting. The tuning of Winchester Model 97 shotguns and double shotguns will also be covered. This course requires an additional fee of \$19 to cover the costs of course handouts, bedding materials, sandpaper, small parts (pins, roll pins, small springs, etc.), steel, welding rod and gases.

## **GSS 98.03 Cowboy Action Shooting Short Guns**

### **1.0 unit**

4 hours lecture/44 hours lab (1 week)

This course is designed to present specialized techniques that deal with the fine-tuning of Colt, Colt style and Ruger single action revolvers for the very popular sport of cowboy action shooting. This course requires an additional fee of \$19 to cover the costs of course handouts, sandpaper, small parts (pins, roll pins, small springs, etc.), steel, welding rod and gases.

## **GSS 98.04 Advanced Knife Making**

### **1.0 unit**

4 hours lecture/44 hours lab (1 week)

This course is designed to present basic techniques learned in the "Introduction to Knife Making," course. This course will deal with hollow grinding working with different metal types and handle materials.

## **GSS 98.05 Design, Function and Repair Smith & Wesson Revolver**

### **1.0 unit**

4 hours lecture/44 hours lab (1 week)

This course is designed to present information about Smith & Wesson revolvers in great detail. Areas of instruction will cover specifics such as: various ways to time the hand and cylinder stop, ranging sprung frames, making the revolver shoot where it points, over and under indexing, off center sights, bent sight, barrel on different axis than frame, cylinder fit, correcting bad notches, and correcting irregular ratchet pads.

## **GSS 98.06 L.E.A.S. Design, Function and Repair Patrol Rifles**

### **1.0 unit**

4 hours lecture/36 hours lab (1 week)

This course is designed to present instruction that will cover the repair and maintenance of the following firearms to factory specifications: Shotguns - Remington 870, Benelli Super 90 and Mossberg 500. Self-loading rifles - Ruger Mini-14, Colt AR-15. This course requires an additional fee of \$19 to cover the costs of course handouts, bedding materials, sandpaper, small parts (pins, roll pins, small springs, etc.), steel, welding rod and gases.

## **GSS 98.08 Custom Build 1911**

### **1.0 unit**

8 hours lecture/88 hours lab (2 weeks)

This course is designed to present coverage of modifications to the Colt type 1911 auto pistols, as used in Bullseye, Carry, Open or Stock competition. The student will learn different types of compensator systems as well as ergonomic enhancement techniques to fine-tune the Colt 1911 to any specifications. Precise barrel installation or maximum accuracy and detailed trigger work will be strongly emphasized.

## **GSS 98.09 Color Case Hardening**

### **1.0 unit**

4 hours lecture/4 hours lab (1 week)

This course is designed to present the old methods of color case hardening. This will include learning how to fabricate a furnace with commonly found materials. This course requires an additional fee of \$19 to cover the costs of course

handouts, charcoal, blocking and shielding materials, and various color compounds.

## **GSS 98.12 Modern and Cowboy Action Belts and Holsters**

### **1.0 unit**

4 hours lecture/4 hours lab (1 week)

This course will teach the student how to select different grades of leather to fabricate cowboy belts and holsters. The student will also become familiar with tools that are needed and their proper use. The student will learn how to lay-out and cut their leather patterns. The course will teach leather forming techniques, gluing and bonding, punching holes for hand sewing, and will learn a variety of dyes and types of finishes used on leather. This course requires an additional fee of \$19 to cover the costs of course handouts, dye, glue, leather, and oil.

## **GSS 98.13 Metallurgy for Gunsmiths**

### **1.0 unit**

12 hours lecture/36 hours lab (1 week)

This course introduces gunsmithing students to the theory of metallurgy. The student will learn to predict the behavior of metals, particularly common grades of steel, when exposed to heating and cooling cycles. This course requires an additional fee of \$19 to cover the costs of various types of metal of specific composition for testing, heat treating, etc. Chemicals for altering metals, sandpaper (course, medium, fine, very fine, grits), emery cloth (course, medium, fine and very fine grits), sanding belts, polishing wheels and polishing compound.

## **GSS 98.21 Hand Guns Special Projects**

### **1.0-3.0 units**

144 hours lab

This course is designed to provide the student with the skill development necessary to repair hand guns in a timely manner. This course has been approved for open entry/open exit.

## **GSS 98.22 DFR Long Guns Special Projects**

### **1.0-3.0 units**

144 hours lab

This course is designed to provide the student with skill development necessary to repair long guns in a timely manner. This course has been approved for open entry/open exit.

## **GSS 98.23 Machine Shop Special Projects**

### **1.0-3.0 units**

**Prerequisite(s):** GSS 52.01 Gunsmith Machining 1

144 hours lab

This course is designed to provide the student with the skill development to machine custom tools and gun parts. This course has been approved for open entry/open exit.

## **GSS 98.24 Stockmaking Special Projects**

### **1.0-3.0 units**

144 hours lab

This course is designed to provide the student with the skill development necessary to complete gun stocks to industry standard. This course has been approved for open entry/open exit.

## **GSS 112 - Machine Shop for Gunsmiths**

### **2.0 units**

8 hours lecture/92 hours lab (2 weeks)

An introductory course designed to help the beginner or the pro in the use of machine shop equipment as it relates to gunsmithing. This course requires an additional fee of \$19 to cover the costs of course handouts, cutting oil, sandpaper, small parts (pins, roll pins, small springs, etc.), and steel.

## **GSS 112B - Introduction to Knifemaking**

### **1.0 unit**

4 hours lecture/46 hours lab (1 week)

A course of instruction in the design, fabrication, and finishing of common sheath knives and accessories.

## **GSS 114 - Basic Rifle Barreling**

### **1.0 unit**

4 hours lecture/46 hours lab (1 week)

This course is designed to help the beginner or the pro in the use of machine shop equipment to barrel action rifle receivers. This course requires an additional fee of \$19 to cover the costs of course handouts, cutting oil, sandpaper, small parts (pins, roll pins, small springs, etc.), and steel.

## **GSS 116 - Stockmaking - Phase I**

### **1.0 unit**

4 hours lecture/46 hours lab (1 week)

This course is designed for the beginner or the pro in inletting and fitting accessories to a semi-inlet stock blank.

## **GSS 117 - Gas Tungsten Arc Welding for Gunsmiths**

### **1.0 unit**

50 hours lab (1 week)

This course is designed to develop the manipulative skills, technical knowledge and applications of the gas tungsten arc welding (GTAW) process as they relate to firearm repair. Students will apply the gas tungsten arc welding process (GTAW) to selected metal types, joint designs and gun parts.

## **GSS 119 - Advanced Rifle Barreling**

### **1.0 unit**

4 hours lecture/46 hours lab (1 week)

Providing the student with specific techniques in the manufacture of rifle barrels, in barreling rifles for precision accuracy, and barreling of less common action types. This course requires an additional fee of \$19 to cover the costs of sandpaper (course, medium, fine, very fine, grits), emery cloth (course, medium, fine and very fine grits), sanding belts, polishing wheels and polishing compound, welding rod (STAW), cutting oil, bluing salts, cleaning chemicals, degreaser.

## **GSS 120 - Stockmaking-Phase II**

### **1.0 unit**

4 hours lecture/46 hours lab (1 week)

An introductory course designed to help the beginner or the pro in the shaping and finishing of a semi-inlet stock blank.

## **GSS 120B - Stock Refinish and Repair/Recoil Pad Installation**

### **1.0 unit**

4 hours lecture/46 hours lab (1 week)

A course of instruction in restoration of gunstocks involving refinishing and repairing. Installation of rubber recoil pads will be covered as well.

## **GSS 123 - Basic Hard Metal Engraving**

### **1.0 unit**

8 hours lecture/92 hours lab(2 weeks)

An introductory course designed to provide the students with basic skills of firearms engraving. Instruction includes tools and equipment and their use, pattern design, design transfer, cutting, stippling and other basic engraving skills and techniques. This course requires an additional fee of \$19 to cover the costs of course handouts and practice plates.

## **GSS 124 - Welding Fabrication for Gunsmiths**

### **1.0 unit**

50 hours lab (1 week)

Students will select and fabricate gunsmith related projects using appropriate welding processes and techniques. Students will also have an opportunity to learn or improve welding skills related to the gunsmith vocation.

## **GSS 127 - Advanced Engraving**

### **2.0 units**

8 hours lecture/92 hours lab (2 weeks)

An advanced course designed to cover advanced metal engraving techniques applicable to major portions of the firearm. The scope of instruction includes advanced design and layout, high relief engraving, compatible background style, straight line or border inlays, inlaid game scenes.

## **GSS 129A - Design, Function and Repair-Spring Piston Air Guns**

### **1.0 unit**

4 hours lecture/46 hours lab (1 week)

Present an overview of airgun power plants focusing on the spring piston air guns. Cover the initial inspection, special tools, disassembly, preparation of the compression cylinder for installation of new parts, install new parts, reassembly and subsequent testing. Limited tuning and improving the operation will be addressed. Also proper lubrication and maintenance will be covered. The special tools used for disassembly and assembly will be introduced.

## **GSS 129B - Design, Function and Repair-Pneumatic Air Guns**

### **1.0 unit**

4 hours lecture/46 hours lab (1 week)

Present an overview of airgun power plants focusing on the multi-pump and single stroke type sporting guns. Cover the initial inspection, special tools, disassembly, preparation of the compression cylinder for installation of new parts, install new parts, reassembly and subsequent testing. Limited tuning and improving the operation will be addressed. Also proper lubrication and maintenance will be covered. The special tools used for disassembly and assembly will be introduced.





## **GSS 129C - Design, Function and Repair-CO<sub>2</sub> Air Guns**

### **1.0 unit**

4 hours lecture/46 hours lab (1 week)  
Present an overview of airgun power plants focusing on the CO<sub>2</sub> guns. Cover the initial inspection, special tools, disassembly, preparation of the compression cylinder for installation of new parts, install new parts, reassembly and subsequent testing. Limited tuning and improving the operation will be addressed. Also proper lubrication and maintenance will be covered. The special tools used for disassembly and assembly will be introduced.

## **GSS 130 - Professional Engraving**

### **1.0 unit**

4 hours lecture/46 hours lab (1 week)  
An advanced course designed to cover the techniques of engraving as used by different masters in the art of firearms engraving. This course may be taken for a total of four enrollments.

## **GSS 133 – Scrimshaw**

### **1.0 unit**

4 hours lecture/46 hours lab (1 week)  
An introductory course designed to provide the students with the basic skills of the art of scrimshaw. Instruction includes tools and equipment and their use, pattern design, design transfer.

## **GSS 134 - Caustic Bluing**

### **1.0 unit**

4 hours lecture/46 hours lab (1 week)  
A course designed to introduce the student to bluing, commercial black oxide finish on firearms. Preparation of surface finish, care and use of chemicals. Understanding chemical process and control, professional technique and equipment. This course requires an additional fee of \$19 to cover the costs of course handouts, bluing salts, oil, and sandpaper.

## **GSS 135 - Parkerizing**

### **1.0 unit**

4 hours lecture/46 hours lab (1 week)  
A course designed to introduce the student to parkerizing, to produce a phosphate nonrusting finish on firearms. Surface preparation, mixing of chemicals, operations, techniques and controls. This course requires an additional fee of \$19 to cover the costs of sandpaper (course, medium, fine, very fine, grits), emery cloth (course, medium, fine and very fine grits), sanding belts, polishing wheels and polishing compound, chemicals for Parkerizing process, degreaser, cleaning chemicals.

## **GSS 136 - Cold Rust and Niter Bluing**

### **1.0 unit**

4 hours lecture/46 hours lab (1 week)  
A course designed to introduce the student to rust bluing finish on firearms. Surface preparation and use of chemicals and other appropriate equipment. Understanding control of equipment, chemicals and operating procedures. This course requires an additional fee of \$19 to cover the costs of sandpaper (course, medium, fine, very fine grits), emery cloth (course, medium, fine and very fine grits), sanding belts, polishing wheels and polishing compound, degreaser, cleaning chemicals, chemicals for Cold Rust process, chemicals for Nitre Bluing process.

## **GSS 143 - Custom Gunmaking-Muzzleloader Kit Guns**

### **1.0 unit**

4 hours lecture/46 hours lab (1 week)  
The student will completely assemble a muzzleloading firearm during class. Working with hand tools in a small shop will be featured.

## **GSS 147 - Assembly and Tuning of Gas Operated LEAS Repeating Rifles**

### **1.0 unit**

4 hours lecture/36 hours lab (1 week)  
An advanced course that will cover the assembly and tuning of AR-15, M1A, and FN FAL rifles from commonly available kits. This course requires an additional fee of \$19 to cover the costs of course handouts, bedding materials, sandpaper, small parts (pins, roll pins, small springs, etc.), steel, welding rod and gases.

## **GSS 148 - Advanced Correctional Armorer School**

### **1.0 unit**

4 hours lecture/36 hours lab (1 week)  
An advanced level course designed to train correctional armorers to maintain the departments' specialized firearms to factory service levels. This course requires an additional fee of \$19 to cover the costs of course handouts, bluing salts, sandpaper, small parts (pins, roll pins, small springs, etc.), steel, welding rod and gases.



## **HEALTH**

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### **HLTH 2 - Personal Health**

#### **3.0 units**

#### **CSU/UC**

#### **CSU GE Area E**

#### **Associate Degree Area E1**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture

A study of personal and community health today, emphasizing behavioral and sociological aspects of health, nutrition, weight control, diseases, drugs and narcotics, family life and environmental health. This course has been approved for online and correspondence delivery.

### **HLTH 25 - Understanding Nutrition**

#### **3.0 units**

#### **CSU/UC**

#### **CSU GE Area E**

#### **Associate Degree Area E1**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture

Scientific concepts of nutrition related to the function of nutrients in basic life processes and current health issues with emphasis on individual needs. Analyze your diet, construct a nutritional diet, interpret eating disorders, plan adequate diets for children, infants, pregnancy, athletes, adults and the elderly. Evaluate food additives. Appraise world hunger problems. This course has been approved for correspondence delivery.

## **HEALTH OCCUPATIONS**

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### **HO 3 - Medical Terminology**

#### **3.0 units**

#### **CSU**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture

This course covers basic medical terminology and the vocabulary of medical specialties. Special emphasis is on the use of prefixes and suffixes, and non-technical explanations of medical terms and descriptions of anatomy, physiology, and pathology. Students learn to utilize medical terminology as it applies to the structure of the human body, common laboratory tests, radiological and operative procedures, as well as basic pharmacology.



## **HO 40 - Nursing Assessment**

**2.0 units**

**CSU**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

2 hours lecture

This course is designed as an introduction to the theory needed for application of the nursing process with emphasis on skills useful in data gathering and analysis for completing a health assessment. Normal and abnormal physical, social, and cultural structure and function are explored.

## **HO 46 - IV Therapy and Blood Withdrawal (Phlebotomy)**

**2.0 units**

**CSU**

**Prerequisites:** RN, LVN or attended RN or LVN nursing program.

27 hours lecture/9 hours lab (2 weeks)

Designed for the Licensed Vocational Nurse and Registered Nurse who will be starting IV's and performing phlebotomy. Principles of fluid and electrolyte balance as well as general principles of I.V. therapy, legal implications, solutions and equipment, management and venipuncture techniques are emphasized. This course is approved by the California State Board of Vocational Nurse (B.R.N.) and the Psychiatric Technician Examiners (P.T.E.) for 36 contact hours and by the B.R.N. for 24 contact hours.

## **HO 49 - Health Occupations Work Experience**

**1.0-8.0 units**

**CSU**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

5-40 hours lab (R)

This course enables students with educational or career goals in health occupations, who are working in the field of health occupations, to build related job specific skills through individualized learning objectives and enhance their workplace performance. Attendance of an on campus orientation session is required for all Work Experience enrollments. Students complete an online expanded orientation module addressing workplace success skills throughout the term. Subsequent enrollments require new individualized learning objectives. Units are awarded based upon achievement of approved learning objectives, workplace performance, submission of course assignments, and documentation of work hours. Enrollment in Work Experience courses is limited to a maximum of 16 units, including all Vocational, Occupational and General Work

Experience enrollments. Title V specifies students will earn 1 unit of credit for each 75 hours paid work, and 1 unit of credit for each 60 hours volunteer work. This course has been approved for hybrid delivery.

## **HO 54 – Basic Structure and Function of the Human Body**

**3.0 units**

**Associate Degree Area A**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

34 hours lecture

Basic course focusing on the structure and function of the human body.

## **HO 64 - NCLEX Review**

**2.0 units**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

34 hours lecture

One semester course, reviewing medical surgical, fundamental, maternity concepts in preparation for the state board exam for licensure as a Licensed Vocational Nurse. (National Counsel Licensure Examination)

## **HO 70 – Introduction to Administrative Medical Assisting I**

**2.0 units**

**Prerequisites:** HO 3 Medical

Terminology  
This course is designed to provide specific information and skills training require for front office administrative medical assistants. The course covers administrative and clerical functions of an office assistant including patient reception, Scheduling appointments, telephone procedures, medical records management, office management, professional conduct and effective communication.

## **HO 71 – Introduction to Administrative Medical Assisting II**

**2.0 units**

**Prerequisites:** HO 3 Medical Terminology and HO 70 Intro to Admin Assisting I

This course introduces and instructs Allied Health students in the use of accounting systems for medical and dental offices (including the pegboard and computerized accounting systems) and health insurance procedures. Emphasis is placed on medical accounting terminology, ledgers, methods used in payroll accounting, preparation of accounts charts and correct completion of benefit and claim forms. This course also prepares students to work with insurance forms in medical offices, hospitals and other clinical settings and in the proper use of procedural and diagnostic coding

utilizing the most current editions of Physicians Current Procedural terminology and International Classification of Diseases.

## **HO 80A -Geriatric (Long-Term Care) Nurse Assistant**

**6.0 units**

**Prerequisite:** Live Scan fingerprinting and Pre-Check background check

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

4 hours lecture (18 weeks) 6 hours lab (28 weeks)

This course will provide specific knowledge and clinical skills training required for Nurse Assistants. Geriatric and Long-Term Care are emphasized. Areas covered will include role responsibilities, communications, infection control, safety and emergency procedures, personal care and the patient environment, nutrition and feeding, elimination needs, vital signs, charting and reporting, modified care for special needs, and restorative nursing.

**Completion of course with clinical experience in a long term care facility such as Modoc Medical Center with a grade of "C" (75%) or higher qualifies the student to take NATTP."**

## **HO 82 – Principles of Infection Prevention and Sterile Technique**

**1.5 units**

**Prerequisites:** HO 3 Medical Terminology

This course provides an overview and application of current Occupational Safety and Health Administration (OSHA) policies and regulations and Standard Precautions related to infection prevention in the clinical setting. This course is designed to meet OSHA and blood-borne prevention for medical assisting and other allied health students who have potential exposure to infectious material such as blood, urine and other body fluids. The evolution of asepsis and infection prevention is presented as a basis for understanding the need for protection in health care and service environments. The application and use of personal protective equipment (PPE), medical and surgical aseptic hand washing techniques, disposal of biohazard, material and other related topics is explored and practiced. This course also covers the differences between disinfection and sterilization. Students sterilize instruments, materials and equipment using a variety of methods and set-ups to maintain and work in a sterile field

## **HO 84 – Introduction to Patient Care**

### **2.0 units**

**Prerequisites:** HO 54-Structure and Function of the Human Body; HO 3-Medical Terminology and HO 120 CPR or current CPR certification

**Corequisites:** HO 82 – Principles of Infection Control and Sterile Technique; HO 85 Diagnostic Testing

#### **Recommended Preparation:**

Successful completion of ENGL105 or equivalent assessment placement.

This course provides clinical medical assisting students with the fundamentals of patient care in the clinical setting. Students practice the communication skills needed to obtain patient information, as well as instruct and educate patients. Students apply the principles of medical documentation to record information obtained from patient interviews, measuring vital signs, procedures performed or other pertinent patient information as an entry in the patient's medical record. Correct body mechanics needed to assist, move, and position patients are presented and students practice positioning patients, preparing trays, measuring a patient's vital signs and assisting with general and specialized clinical procedures performed in the medical setting and within the "Scope of Practice" for the Clinical Medical Assistant.

## **HO 85 – Diagnostic Testing**

### **1.0 units**

**Prerequisites:** HO 54-Structure and Function of the Human Body; HO 3-Medical Terminology

**Corequisites:** HO 82-Principles of Infection Prevention and Sterile Technique; HO 84-Introduction to Patient Care

#### **Recommended Preparation:**

Successful completion of ENGL105 and MATH 103 or equivalent assessment placement.

This course presents the principles of diagnostic testing to students interested in medical assisting in a clinical setting. Students are introduced to the various types of medical laboratories and methods of quality control for specimen collection, transport, and testing while they learn to screen patients for various diagnostic tests and to follow-up test results. Emphasis is placed on the application of laboratory safety practices in accordance with Standard Precaution and Occupational Safety & Health Administration (OSHA) regulations.

Students use common laboratory equipment to perform Clinical Lab Improvement Act (CLIA) approved tests for medical assistants, including hematology, chemistry, immunology and microbiology tests, urinalysis, and respiratory function testing and result analysis. Topics also include the principles of radiological tests, such as X-rays, computerized axial tomography (CT) scanning and magnetic resonance imaging (MRI).

## **HO 88 – Phlebotomy**

### **3.5 units**

**Prerequisite:** HO 54-Structure and function of the Human body.

This course prepares students to perform venipunctures, capillary punctures, and basic blood lab test expected of entry-level medical assisting positions in clinics and other health care settings consistent with health care regulation in California. With successful completion of this course, including 50 successful venipunctures and 10 successful skin punctures, the student will be eligible to sit for the exam to become a Certified Phlebotomist Technician with the State of California.

## **HO 120 - Cardiopulmonary Resuscitation (CPR)**

### **0.5 units**

8 hours lecture (1 Week)

This course is designed to teach Cardiopulmonary Resuscitation (CPR) methods and update those methods according to the most current standards. This course is certified by the American Red Cross. This course may be taken as needed for legal mandated training or certification.

## **HISTORY**

### **HIST 14 - World History, Beginning to 1500**

#### **3.0 units**

#### **CSU/UC**

#### **CSU GE Area C2, D6/IGETC 4F Associate Degree Area B C**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture

A study of the major civilizations of the world from the beginning of civilization to 1500. Covers the classical and medieval traditions of the West and the major non-western cultures of the world. This course meets a requirement for the California Elementary School Teaching Credential. This course has been approved for online and correspondence delivery.

### **HIST 15 - World History, 1500 to Present**

#### **3.0 units**

#### **CSU/UC**

#### **CSU GE Area C2 D6/IGETC Area 4F Associate Degree Area B C**

#### **Recommended Preparation:**

Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture

A study of the major civilizations of the world from 1500 to the present. Stresses the dynamism and expansion of the West, the cross-cultural interaction in the modern era and the resurgence of non-western independence into the 20th century. This course meets a requirement for the California Elementary School Teaching Credential. This course has been approved for online and correspondence delivery.

### **HIST 16 - U.S. History**

#### **3.0 units**

#### **CSU/UC**

#### **CSU GE Area D6/IGETC Area 4F Associate Degree Area B**

#### **C-ID HIST 130**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture

Traces the transition of the U.S. into a nation, stressing the development of political and economic institutions, social movements, the challenge of sectionalism and geography. This course has been approved for online and correspondence delivery.

### **HIST 17 - Post-Civil War - U.S. History**

#### **3.0 units**

#### **CSU/UC/ CSU GE Area D6 IGETC Area 4F**

#### **Associate Degree Area B**

#### **C-ID HIST 141**

#### **Recommended Preparation:**

Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture

A course tracing the development of the U.S. into a world power, stressing growth in territory, population, industry and world influence from reconstruction to the present. Also traces the continuing development of the political institution brought about by industrialization and becoming a world power. This course has been approved for online and correspondence delivery.

## HUMAN SERVICES

### **HUS 10 - Introduction to Human Services**

**3.0 units**

**CSU**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture

Survey of human services and social work, an exploration of helping skills as applied to human problems such as poverty, parenting, education, substance abuse, illness and mental health. This course has been approved for correspondence delivery.

### **HUS 22 - Substance Abuse Treatment**

**3.0 units**

**CSU**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture

This course is designed to provide students with an overview of substance abuse. This course has been approved for correspondence delivery.

### **HUS 23 - Special Population Considerations - Human Services**

**0.5-1.0 unit**

**CSU**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

0.5 - 1 hour lecture

Designed to identify the problems, common issues and concerns of modern living, this course focuses on the social-psychological dynamics of specific special population groups in Human Services. This course may be taken for a total of four enrollments. This course has been approved for correspondence delivery.

### **HUS 24 - Group Facilitator Process/Human Services**

**3.0 units**

**CSU**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture

A course designed to develop professional competency and training for group facilitation. The dynamics of group interaction with emphasis upon various types of groups will be covered. This course has been approved for correspondence delivery.

### **HUS 25 - Family Treatment Approaches**

**2.0 units**

**CSU**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

2 hours lecture

An examination of the systems approach in the dynamics of family therapy as it relates to treatment of dysfunctional, addictive families. This course has been approved for correspondence delivery.

### **HUS 27 - Gender Differences and Addictive Behavior**

**1.0 unit**

**CSU**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

1 hour lecture

A course exploring the socialization process of females and males as it relates to the development of addictive behavior. This course has been approved for correspondence delivery.

### **HUS 28 - Human Services and Mal-Adaptive Behavior**

**3.0 units**

**CSU**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture

A course investigating techniques, concepts and behavioral guidelines for understanding mal-adaptive behavior. This course has been approved for correspondence delivery.

### **HUS 30 - Pharmacology of Drugs of Abuse**

**3.0 units**

**CSU/UC**

**CSU GE Area E**

**Associate Degree Area E1**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture

Focus on the drug action and drug disposition of the major drugs of abuse: ethanol, marijuana, cocaine, heroin, amphetamines, PCP, LSD, and designer drugs such as Ecstasy (MDMA) and China White. Drug testing and the new National Institute of Drug Abuse guidelines will be discussed. This course has been approved for correspondence delivery.

### **HUS 31 - Crisis Intervention Strategies**

**3.0 units**

**CSU**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture

Introduces the basic concepts, theory and application of crisis intervention, including the application of concepts to specific crisis in the field and at the workplace, and the use of an effective referral system. This course has been approved for correspondence delivery.

### **HUS 32 - Understanding Addiction**

**3.0 units**

**CSU**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture

Focusing on the underlying developmental and psychopathology of addiction, alcoholism, and codependency, this course emphasizes the familiar nature of alcohol/drug addiction and explores the process of denial and use of defense mechanisms. This course has been approved for correspondence delivery.

### **HUS 35 - Ethical Issues – Human Services**

**3.0 units**

**CSU**

**Recommended Preparation:**

Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture

A course focusing on legal/ethical responsibilities of Human Services workers or drug/alcohol counselors with emphasis on confidentiality and the legal concept of privilege. This course has been approved for correspondence delivery.

### **HUS 37 - Case Management and Client Records Documentation**

**3.0 units**

**CSU**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture

This course focuses on case management and client record documentation. This course has been approved for correspondence delivery.



**HUS 40 - Field Instruction Seminar I**  
**1.0 unit**

**CSU**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement. HUS-49 Human Services Cooperative Work Experience 1 hour lecture

This course provides specialized instruction for field work practice in selected settings that will afford students the opportunity to apply their knowledge and develop their skills in Human Services. This course has been approved for online and hybrid delivery.

**HUS 41 - Field Instruction Seminar II**  
**1.0 unit**

**CSU**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement. HUS 49 Human Services Work Experience. 1 hour lecture

This course provides specialized instruction for field work practice in selected settings that will afford students the opportunity to further refine the knowledge and skills gained in their core classes to the process of helping others. It is strongly recommended to take this course in conjunction with HUS 49. This course has been approved for online delivery.

**HUS 48.05 Everyday Enlightenment: The way of the Peaceful Warrior**  
**2.0 Units**

**CSU**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement. 1.5 hours lecture/1.5 hours lab

This course will allow students to explore their deepest selves to find their highest inner potential. They will learn to integrate their mind, body and emotions with their sub-consciousness self, their conscience self and their spiritual self to better improve their abilities to face their fears, insecurities and self-doubts. They will improve the quality of their lives through inner peace, wisdom and balance.

**HUS 49 - Human Services Work Experience**

**1.0-8.0 units**

**CSU**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

5-40 hours lab (R)

1.0-8.0 Units

This course enables students with educational or career goals in human services, who are working in the field of human services, to build related job specific skills through individualized learning objectives and enhance their workplace performance. Attendance of an on campus orientation session is required for all Work Experience enrollments.

Students complete an online expanded orientation module addressing workplace success skills throughout the term. Subsequent enrollments require new individualized learning objectives. Units are awarded based upon achievement of approved learning objectives, workplace performance, submission of course assignments, and documentation of work hours. Enrollment in Work Experience courses is limited to a maximum of 16 units, including all Vocational, Occupational and General Work Experience enrollments. Title V specifies students will earn 1 unit of credit for each 75 hours paid work, and 1 unit of credit for each 60 hours volunteer work. This course has been approved for hybrid delivery.

Students complete an online expanded orientation module addressing workplace success skills throughout the term. Subsequent enrollments require new individualized learning objectives. Units are awarded based upon achievement of approved learning objectives, workplace performance, submission of course assignments, and documentation of work hours. Enrollment in Work Experience courses is limited to a maximum of 16 units, including all Vocational, Occupational and General Work Experience enrollments. Title V specifies students will earn 1 unit of credit for each 75 hours paid work, and 1 unit of credit for each 60 hours volunteer work. This course has been approved for hybrid delivery.

**HUS 61 - Principles/Practices Residential Care Paraprofessional Counselors**  
**3.0 units**

**3.0 units**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture

A study of the principles and practices of child care in a residential setting.

Research theories identifying developmental planning, developmental needs, separation, cottage life, discipline group process and the job. Concepts will be identified with practical applications and implications for use in the residential care setting. This course has been approved for correspondence delivery.



## HUMANITIES

**HUM 1 - Western Civilization: Prehistoric to 1600**

**3.0 units**

**CSU/UC**

**CSU GE Area C2/IGETC Area 3B**

**Associate Degree Area C**

**C-ID HIST 170**

**Recommended Preparation:** English 1 or equivalent placement through the assessment process.

3 hours lecture

Survey of the development of western culture and civilization to the Reformation. This course has been approved for, correspondence, and on-line delivery

**HUM 2 - Western Civilization: 1600 to Present**

**3.0 units**

**CSU/UC**

**CSU GE Area C2/IGETC Area 3B**

**Associate Degree Area C**

**C-ID HIST 180**

**Recommended Preparation:** English 1 or equivalent placement through the assessment process.

3 hours lecture

The development of Western civilization from 1600 to present, with emphasis on the inter-relations between historical occurrences and the world view revealed in philosophy, literature, music, painting, and architecture and how the respective world views evolved into our present views. This course has been approved for online and correspondence delivery.

## INDUSTRIAL TECHNOLOGY

**IT 22 - Operations, Maintenance and Safety**

**1.0 unit**

**CSU**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

1 hour lecture

This course integrates personnel safety, equipment protection and safety tagging procedures with operational and maintenance events expected in a power generation, process or geothermal plant. Specific topics include material and safety data sheets (MSDS), hazardous materials (HAZ/MAT), chemical alert placards and confined space procedures. This course has been approved for live-interactive television instruction.



## **IT 72 - Facilities Maintenance – Welding 2**

**2.0 units**

6 hours lab

This course is designed to prepare students with basic, through increasingly advanced, skills covering aspects of maintenance and repair procedures utilizing: soldering, brazing, welding, and joining of PVC. Field work will include fabrication, as well as maintenance and repair of equipment and facilities utilizing a portable shop.

## **JOURNALISM**

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### **JOUR 1 - News Reporting and Writing**

**3.0 units**

**CSU**

**Associate Degree Area D2**

**Recommended Preparation** Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture

Introduction to all aspects of news-writing. Emphasis on news gathering, reporting, feature and complex story writing, ethics, press law, and critical thinking.

### **JOUR 4 - Mass Communication and Society**

**3.0 units**

**CSU/UC**

**CSU GE Area D7/IGETC Area 4J**

**Associate Degree Area B**

**Recommended Preparation** Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture

Introduces basic concepts of mass communication, covers the interplay between communicator and audience, and considers how the mass media combine with other institutions to affect social phenomena such as political thought and behavior, cultural beliefs, and economic behavior.

### **JOUR 5 - Photo-Journalism**

**2.0 units**

**CSU**

**Associate Degree Area C**

**Recommended Preparation:**

Successful completion of ENGL105 or equivalent assessment placement.

1.5 hours lecture/1.5 hours lab

Theory and practice of photography for the media, including picture taking and processing for college publications. Students will work with staff of The Lassen College Cougar, the school newspaper, and complete work for use in the college's public relations efforts.

## **JOUR 49 - Journalism Work Experience**

**1.0-8.0 units**

**CSU**

**Recommended Preparation:**

Successful completion of ENGL105 or equivalent assessment placement.

5-40 hours lab (R)

This course enables students with educational or career goals in journalism, who are working in the field of journalism, to build related job specific skills through individualized learning objectives and enhance their workplace performance. Attendance of an on campus orientation session is required for all Work Experience enrollments. Students complete an online expanded orientation module addressing workplace success skills throughout the term. Subsequent enrollments require new individualized learning objectives. Units are awarded based upon achievement of approved learning objectives, workplace performance, submission of course assignments, and documentation of work hours. Enrollment in Work Experience courses is limited to a maximum of 16 units, including all Vocational, Occupational and General Work Experience enrollments. Title V specifies students will earn 1 unit of credit for each 75 hours paid work, and 1 unit of credit for each 60 hours volunteer work. This course has been approved for hybrid delivery.

## **MATHEMATICS**

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### **MATH 1A - Analytic Geometry and Calculus I**

**5.0 units**

**CSU/UC**

**CSU GE Area B4/IGETC Area 2A**

**Associate Degree Area D2**

**Prerequisites:** Completion of MATH 7 Trigonometry and MATH 8 Advanced Algebra with a grade of 'C' or better or equivalent placement through the assessment process.

5 hours lecture

A first course in differential and integral calculus of a single variable: functions; limits and continuity; techniques and applications of differentiation and integration; Fundamental Theorem of Calculus. Primarily for science, technology, engineering & math majors.

## **MATH 1B - Analytic Geometry and Calculus II**

**5.0 units**

**CSU/UC**

**CSU GE Area B4/IGETC Area 2A**

**Associate Degree Area D2**

**C-ID MATH 221**

**Prerequisite:** Completion of MATH 1A Analytic Geometry and Calculus I with a grade of 'C' or better or equivalent placement through the assessment process.

5 hours lecture

Continuation of Math 1A. A second course in differential and integral calculus of a single variable: integration, techniques of integration; infinite sequences and series, polar and parametric equations; applications of integration. Primarily for science, technology, engineering & math majors.

## **MATH 1C - Analytic Geometry and Calculus III**

**5.0 units**

**CSU/UC**

**CSU GE Area B4/IGETC Area 2A**

**Associate Degree Area D2**

**Prerequisite:** Completion of MATH 1B Analytic Geometry and Calculus II with a grade of 'C' or better or equivalent placement through the assessment process.

5 hours lecture

The next course in the calculus sequence after MATH 1B. Includes solid analytic geometry, calculus of vector functions, partial differentiation, multiple integration, and Green's Theorem and Stoke's Theorem.

## **MATH 7 - Trigonometry**

**3.0 units**

**CSU**

**CSU GE Area B4**

**Associate Degree Area D2**

**Prerequisite:** Completion of MATH 60 Intermediate Algebra with a grade of 'C' or better or equivalent placement through the assessment process.

3 hours lecture

A study of the numerical, graphical, and analytical properties of trigonometric functions, oblique triangles, inverse functions, and applications. This course has been approved for online delivery.

## **MATH 8 - Advanced Algebra**

**3.0 units**

**CSU/UC**

**CSU GE Area B4/IGETC Area 2A**

**Associate Degree Area D2**

**Prerequisite:** Completion of MATH 60 Intermediate Algebra with a grade of 'C' or better or equivalent placement through the assessment process.

3 hours lecture

This course solidifies the basic foundation needed by students planning to study the analytic geometry and calculus sequence. Topics include: general theory of equations, polynomial and rational inequalities, conic sections, exponents and logarithms; an introduction to sequences, series, matrices and their applications. This course is recommended for math, science, engineering and business students.

## **MATH 11A - Concepts of Elementary School Mathematics I**

**3.0 units**

**CSU/UC**

**CSU GE Area B4**

**C-ID MATH 120**

**Associate Degree Area D2**

**Prerequisite:** Completion of MATH 60 Intermediate Algebra with a grade of 'C' or better or equivalent placement through the assessment process.

3 hours lecture

A course focusing on the development of quantitative reasoning skills through in-depth, integrated exploration of topics in mathematics, including real number systems and subsystems. Emphasis is one comprehension and analysis of mathematical concepts and applications of logical reasoning. One of two courses designed especially for students preparing for credentials in elementary education.

## **MATH 11B - Concepts of Elementary School Mathematics II**

**3.0 units**

**CSU/UC**

**CSU GE Area B4**

**Associate Degree Area D2**

**Prerequisite:** Completion of MATH 60 Intermediate Algebra with a grade of 'C' or better or equivalent placement through the assessment process.

3 hours lecture

A course covering the study of real numbers, measurement, logic and mathematical reasoning; introduction to probability and statistics and some concepts of algebra, non-metric and metric geometry. One of two courses designed especially for students preparing for credentials in elementary education.

## **MATH 40 - Elementary Statistics**

**3.0 units**

**CSU/UC**

**CSU GE Area B4/IGETC Area 2A**

**Associate Degree Area D2**

**C-ID 110**

**Prerequisite:** Completion of MATH 60 Intermediate Algebra with a grade of 'C' or better or equivalent placement through the assessment process.

3 hours lecture

The use of probability techniques, hypothesis testing, and predictive techniques to facilitate decision-making. Topics include descriptive statistics; probability and sampling distributions; statistical inference; correlation and linear regression; analysis of variance; chi-square and t-tests; and application of technology for statistical analysis including the interpretation of the relevance of the statistical findings. Applications using data from disciplines including business, social sciences, psychology, life science, health science, and education. This course has been approved for online delivery.

## **MATH 60 - Intermediate Algebra**

**4.0 units**

**Associate Degree Area D2**

**Prerequisite:** Successful completion of MATH 103 Elementary Algebra or equivalent assessment placement.

3 hours lecture/3 hours lab

This course is a continuation of Beginning Algebra and is designed to develop the algebra skills necessary for college level math courses. Topics include: linear, quadratic, inverse, exponential, and logarithmic functions; real and complex solutions of quadratic equations; systems of equations and inequalities, sequences and the Binomial Theorem. This course satisfies the Mathematics competency requirement and AREA D2 (Language and Rationality) requirement for the AA/AS degree. This course has been approved for online and correspondence delivery.

## **MATH 101 - Basic Mathematics**

**2.0 units**

1 hour lecture/3 hours lab

This course is an introduction to the operations on whole numbers, fractions and decimals. Includes ratio, proportion, exponents, percent, and applications. This course has been approved for online and correspondence delivery.

## **MATH 102 - Pre-Algebra**

**2.0 units**

**Prerequisite:** Completion of MATH 101 Basic Mathematics with a grade of 'C' or better or equivalent placement through the assessment process.

1 hour lecture/3 hours lab

This course begins with a short review of content covered in MATH 101. Includes English and metric measurement, geometry, basic algebra and statistics. This course has been approved for online and correspondence delivery.

## **MATH 103 - Elementary Algebra**

**4.0 units**

**Prerequisite:** Completion of MATH 102 Basic College Mathematics with a grade of 'C' or better or equivalent placement through the assessment process.

3 hours lecture/3 hours lab

Introduction to algebra of real numbers; algebraic expressions, linear equations, exponents, polynomials, factoring, rational expressions and equations, graphing, inequalities, systems of equations, roots and radicals, quadratic equations, and applications. This course has been approved for online and correspondence delivery.

## **MUSIC**

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### **MUS 1 - Music Fundamentals**

**3.0 units**

**CSU/UC**

**Associate Degree Area C**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement. Beginning piano skills will enhance learning opportunities with this course.

3 hours lecture

This is a beginning course in music theory for the general student as well as musicians seeking to improve their musical skills. This course includes pitch, musical notation, melody, rhythm and meter, scales, key and key signatures, intervals, triads, chords and composition.

### **MUS 6 - Music History from Antiquity to 1750**

**3.0 units**

**CSU/UC**

**CSU GE Area C1/IGETC Area 3A**

**Associate Degree Area C**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture

An introductory survey course in Western music history that covers music, the beginning of opera, composers, styles, genres and periods from antiquity to the end of the Baroque era.

**MUS 7 - Music History from 1750 to Modern Era**

**3.0 units**

**CSU/UC**

**CSU GE Area C1/IGETC Area 3A Associate Degree Area C**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture

An introductory survey course in Western music history that covers music, composers, styles, genres and periods from early Rococo to the modern music era.

**MUS 12 - Music Appreciation**

**3.0 units**

**CSU/UC**

**CSU GE Area C1/IGETC Area 3A C-ID MUS 100**

**Associate Degree Area C**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture

A survey course that covers the elements of music (melody, harmony, rhythm and form), instruments, voices, program and dramatic music, vocal and instrumental music, sacred and secular music, folk, popular, jazz, music of other cultures and historical music from primitive times to the present. Emphasis is placed on listening to music and attending performances.

**MUS 14 - Music Ensemble:**

**Concert/Jazz Band**

**1.0 unit**

**CSU**

3 hours lab

Performance of music for band and wind ensembles of music from master composers of all periods, including jazz. Student should be familiar with the basic techniques of their instrument. Solo opportunities for advanced students.

**MUS 15 - Music Ensemble:**

**Orchestra**

**1.0 unit**

**CSU**

3 hours lab

Training in the interpretation and performance of standard orchestral literature, with emphasis on sight-reading. Advanced students may be given opportunities for solo work. At least one public performance each semester.

**NURSING**

Licensed Vocational

Nursing

***Acceptance into the Vocational Nursing Program is required before enrollment in nursing courses***

**VN 50 - Pharmacology**

**3.0 units**

**Corequisite:** VN 51 Nursing

Fundamentals

55.5 hours lecture

Introduction to the principles of pharmacology, medication administration, and computation of medication dosage.

Includes the study of major drug categories. This course has been approved for hybrid delivery.

**VN 51 - Nursing Fundamentals**

**4.0 units**

**Corequisites:** VN 50 Pharmacology and

VN 52 Clinical Lab I

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

66 hours lecture

Introduction to nursing fundamentals and the healthcare profession. Topics will include history of nursing, nursing concepts, legal and ethical issues, nursing process, basic patient needs and the nursing care required for alterations in basic needs. Course will be completed in 15 weeks at 4.4 hours per week. This course has been approved for hybrid delivery.

**VN 52 - Clinical Lab I**

**6.0 units**

**Corequisite:** VN 51 Nursing

Fundamentals

294 hours lab (hours **TBA - To Be Arranged**)

Application of basic nursing skills in a laboratory setting and experience in giving supervised nursing care to selected patients in health care facilities. Total clinical hours are 294. Clinical hours may vary from week to week.

**VN 53 - Adult Nursing Theory II**

**6.0 units**

**Prerequisite:** Successful completion of first trimester vocational nursing courses.

**Corequisite:** VN 54 Clinical Lab II

90 hours lecture

Presents disease conditions in a systems-based format with emphasis on pathophysiology, etiology, treatment, and nursing concerns with focus on nursing care and the nursing process.

**VN 54 - Clinical Lab II**

**6.0 units**

**Prerequisite:** Successful completion of first trimester vocational nursing courses.

**Corequisite:** Enrollment in second trimester vocational nursing courses.

294 hours lab (hours **TBA - To Be Arranged**)

Application of various nursing skills in a clinical setting and experience in giving supervised nursing care, with increasing levels of independence, to selected patients in health care facilities. Total clinical hours are 294. Clinical hours may vary from week to week.

**VN 55 - Adult Nursing Theory III**

**2.0 units**

**Prerequisite:** Successful completion of first and second trimester vocational nursing courses.

**Corequisite:** VN 56 Clinical Lab III, VN 57 Maternity Nursing, VN 58 Pediatric

Nursing

2.4 hours lecture

Presents disease conditions of the genitourinary system in relation to pathophysiology, etiology, treatment and nursing concerns. Course will also include instruction on the transition from student to Licensed Vocational Nurse. Course is 2.4 hours per week for 15 weeks.

**VN 56 - Clinical Lab III**

**6.0 units**

**Prerequisite:** Successful completion of second trimester vocational nursing courses.

**Corequisite:** Enrollment in third trimester vocational nursing courses.

294 hours lab (hours **TBA - To Be Arranged**)

Application of theory to clinical practice, utilizing advanced skills in patient care.

Total clinical hours are 294. Clinical hours may vary from week to week.

**VN 57 - Maternity Nursing**

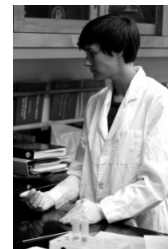
**2.0 units**

**Prerequisite:** Successful completion of second trimester vocational nursing courses.

**Corequisite:** VN 55 Adult Nursing Theory III

2.4 hours lecture

Course includes human sexuality, conception, pregnancy, labor, delivery, postpartum and care of the newborn.





**VN 58 - Pediatric****2.0 units****Prerequisite:** Successful completion of second trimester vocational nursing courses.**Corequisite:** VN 55 Adult Nursing Theory III  
2.4 hours lecture

Study of the normal growth and development of the infant through the adolescent as well as common diseases affecting these groups and appropriate nursing care.

**PHILOSOPHY****PHIL 1 - Introduction to Philosophy****3.0 units****CSU/UC****CSU GE Area C2/IGETC Area 3B****Associate Degree Area C****Recommended Preparation:** ENGL 1

College Composition or equivalent placement through the assessment process. 3 hours lecture

An introduction to the writings of the most noted philosophers of the Western world along with an examination of some of the main problems in philosophy, such as the nature of knowledge, ethics, philosophy of science, free will vs. determinism and the mind-body problem. This course has been approved for online delivery.

**PHIL 2 - Critical Thinking****3.0 units****CSU/UC****CSU GE Area A3****Associate Degree Area D2****Recommended Preparation:** ENGL 1

College Composition or equivalent placement through the assessment process.

3 hours lecture

An analysis of the uses and misuses of language as they affect thought; the structure of arguments and rational resolution of disagreement; an analysis of fallacies or logical mistakes; and an approach to thinking cogently and critically about different kinds of claims and beliefs, both in day-to-day life and in the sciences and academic disciplines. A review of the works of Rene Descartes, John Locke, David Hume, Bishop Berkely, Immanuel Kant.

**PHIL 10 - Comparative World Religions****3.0 units****CSU/UC****CSU GE Area C2/IGETC Area 3B****Associate Degree Area C****Recommended Preparation:** ENGL 1

College Composition or equivalent placement through the assessment process.

3 hours lecture

This course introduces the learner to the profound ideas and practices of religions around the world - America, Africa, India, China and Japan. The history and 'world view' of each religion is examined, with readings from various religious texts. This course has been approved for online and correspondence delivery.

**PHYSICAL EDUCATION****PE 15 - Introduction to Kinesiology****3.0 units****CSU/UC****CSU Area E****C-ID Kin 100****Recommended Preparation:**

Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture

This course will introduce students to the interdisciplinary approach to the study of human movement. Topics include employment fields, leadership, theory, history, and principles of sport, physical education and sub-disciplines in kinesiology.

**PHYSICAL EDUCATION****ACTIVITIES COURSES****PEAC 2A - Men's Varsity Soccer****3.0 units****CSU/UC (Unit limitation)****Associate Degree Area E2**

10 hours lab (R)

Intercollegiate Varsity soccer competition. This course may be taken for a total of two enrollments. Since skills/proficiencies are enhanced by supervised repetition and practice, This course is repeatable to a maximum of three enrollments but can only be taken once per year.

**PEAC 2B – Pre-Season Skills and Conditioning for Soccer****1.0 units****CSU/UC (Unit limitation)****Associate Degree Area E2**

51 hours lab

Pre-season skill development and strategy tactics combined with fitness conditioning to prepare interested participants for intercollegiate varsity soccer competition. Since skills/proficiencies are enhanced by supervised repetition and practice, this course is repeatable to a maximum of three enrollments but can only be taken once per year.

**PEAC 2C - Women's Varsity Soccer****3.0 units****CSU/UC (Unit limitation)****Associate Degree Area E2**

10 hours lab (R)

Intercollegiate varsity soccer competition. This course may be taken for a total of two enrollments. Since skills/proficiencies are enhanced by supervised repetition and practice, this course is repeatable to a maximum of three enrollments but can only be taken once per year.

**PEAC 2D – Off-Season Skills and Conditioning for Soccer****1.5 units****CSU/UC (Unit limitation)****Associate Degree Area E2**

76 hours lab

Off-season skill development and strategy tactics combined with fitness conditioning to prepare interested participants for intercollegiate varsity soccer competition. Since skills/proficiencies are enhanced by supervised repetition and practice, this course is repeatable to a maximum of three enrollments but can only be taken once per year.

**PEAC 5A - Men's Varsity Basketball****3.0 units****CSU/UC (Unit limitation)****Associate Degree Area E2**

10 hours lab (R)

Intercollegiate men's varsity basketball competition. This course may be taken for a total of two enrollments. Since skills/proficiencies are enhanced by supervised repetition and practice, this course is repeatable to a maximum of three enrollments but can only be taken once per year.



**PEAC 5B – Pre-Season Skills and Conditioning for Basketball**

1.5 units

**CSU/UC (Unit limitation)**

**Associate Degree Area E2**

76 hours lab

Pre-season skill development and strategy tactics combined with fitness conditioning to prepare interested participants for intercollegiate varsity basketball competition. Since skills/proficiencies are enhanced by supervised repetition and practice, this course is repeatable to a maximum of three enrollments but can only be taken once per year.

**PEAC 5C - Women's Varsity Basketball**

3.0 units

**CSU/UC (Unit limitation)**

**Associate Degree Area E2**

10 hours lab (R)

Intercollegiate women's varsity basketball competition. This course may be taken for a total of two enrollments. Since skills/proficiencies are enhanced by supervised repetition and practice, this course is repeatable to a maximum of three enrollments but can only be taken once per year.

**PEAC 5D – Off-Season Skills and Conditioning for Basketball**

1.0 units

**CSU/UC (Unit limitation)**

**Associate Degree Area E2**

51 hours lab

Off-season skill development and strategy tactics combined with fitness conditioning to prepare interested participants for intercollegiate varsity basketball competition. Since skills/proficiencies are enhanced by supervised repetition and practice, this course is repeatable to a maximum of three enrollments but can only be taken once per year.

**PEAC 6 - Varsity Wrestling**

3.0 units

**CSU/UC (Unit limitation)**

**Associate Degree Area E2**

10 hours lab (R)

Intercollegiate Varsity Wrestling Competition. This course may be taken for a total of two enrollments. Since skills/proficiencies are enhanced by supervised repetition and practice, this course is repeatable to a maximum of three enrollments but can only be taken once per year.

**PEAC 6B – Pre-Season Skills and Conditioning for Wrestling**

1.0 units

**CSU/UC (Unit limitation)**

**Associate Degree Area E2**

51 hours lab

Pre-season skill development and strategy tactics combined with fitness conditioning to prepare interested participants for intercollegiate varsity wrestling competition. Since skills/proficiencies are enhanced by supervised repetition and practice, this course is repeatable to a maximum of three enrollments but can only be taken once per year.

**PEAC 6D – Off-Season Skills and Conditioning for Wrestling**

1.5 units

**CSU/UC (Unit limitation)**

**Associate Degree Area E2**

76 hours lab

Off-season skill development and strategy tactics combined with fitness conditioning to prepare interested participants for intercollegiate varsity wrestling competition. Since skills/proficiencies are enhanced by supervised repetition and practice, this course is repeatable to a maximum of three enrollments but can only be taken once per year.

**PEAC 7 - Varsity Baseball**

3.0 units

**CSU/UC (Unit limitation)**

**Associate Degree Area E2**

10 hours lab (R)

Intercollegiate Varsity Baseball Team Competition. This course may be taken for a total of two enrollments. Since skills/proficiencies are enhanced by supervised repetition and practice, this course is repeatable to a maximum of three enrollments but can only be taken once per year.

**PEAC 7D – Off-Season Skills and Conditioning for Baseball**

3.0 units

**CSU/UC (Unit limitation)**

**Associate Degree Area E2**

175 hours lab

Off-season skill development and strategy tactics combined with fitness conditioning to prepare interested participants for intercollegiate varsity baseball competition. Since skills/proficiencies are enhanced by supervised repetition and practice, this course is repeatable to a maximum of three enrollments but can only be taken once per year.

**PEAC 9 - Women's Varsity Volleyball**

3.0 units

**CSU/UC (Unit limitation)**

**Associate Degree Area E2**

10 hours lab (R)

Intercollegiate Women's Varsity Volleyball Competition. This course may be taken for a total of two enrollments. Since skills/proficiencies are enhanced by supervised repetition and practice, this course is repeatable to a maximum of three enrollments but can only be taken once per year.

**PEAC 9B – Pre-Season Skills and Conditioning for Volleyball**

1.0 units

**CSU/UC (Unit limitation)**

**Associate Degree Area E2**

51 hours lab

Pre-season skill development and strategy tactics combined with fitness conditioning to prepare interested participants for intercollegiate varsity volleyball competition. Since skills/proficiencies are enhanced by supervised repetition and practice, this course is repeatable to a maximum of three enrollments but can only be taken once per year.

**PEAC 9D – Off-Season Skills and Conditioning for Volleyball**

1.5 units

**CSU/UC (Unit limitation)**

**Associate Degree Area E2**

76 hours lab

Off-season skill development and strategy tactics combined with fitness conditioning to prepare interested participants for intercollegiate women's varsity volleyball competition. Since skills/proficiencies are enhanced by supervised repetition and practice, this course is repeatable to a maximum of three enrollments but can only be taken once per year.

**PEAC 10 - Women's Varsity Softball**

3.0 units

**CSU/UC (Unit limitation)**

**Associate Degree Area E2**

10 hours lab (R)

Intercollegiate Women's Varsity Softball Competition. This course may be taken for a total of two enrollments. Since skills/proficiencies are enhanced by supervised repetition and practice, this course is repeatable to a maximum of three enrollments but can only be taken once per year.

**PEAC 10D – Off-Season Skills and Conditioning for Softball**

**3.0 units**

**CSU/UC (Unit limitation)**

**Associate Degree Area E**

175 hours lab

Off-season skill development and strategy tactics combined with fitness conditioning to prepare interested participants for intercollegiate women's varsity softball competition. Since skills/proficiencies are enhanced by supervised repetition and practice, this course is repeatable to a maximum of three enrollments but can only be taken once per year.

**PEAC 14 - Bowling**

**1.0 unit**

**CSU/UC (Unit limitation)**

**Associate Degree Area E2**

3 hours lab

This course is designed to teach a better understanding of the game of bowling, while focusing on the concepts, essential skills, rules and scoring of bowling.

**PEAC 16 – Walking For Fitness**

**1.0 unit**

**CSU/UC (Unit limitation)**

**Associate Degree Area E2**

3 hours lab

Students will participate in brisk walking program that will enhance their cardiovascular conditioning and endurance.

**PEAC 32D - Fitness Center**

**1.0 unit**

**CSU/UC (Unit limitation)**

**Associate Degree Area E2**

3 hours lab

Instruction in and application of physical fitness principles. Students will engage in a physical conditioning program with an emphasis in body toning, flexibility, weight control, cardiovascular development and muscular strength and endurance using equipment in the fitness center.

**PEAC 34 - Golf Skills**

**1.0 unit**

**CSU/UC (Unit limitation)**

**Associate Degree Area E2**

3 hours lab

Development of sufficient proficiency in golf to recognize and enjoy the game as a lifetime activity; includes U.S.G.A. rules and etiquette and the fundamental mechanics involved in the use of irons and woods. Each student must purchase a 5-play card (45 total holes of golf) from Diamond Mountain Golf Club at the prevailing rate. The registration fee includes an unlimited number of range balls during the scheduled class times.

**PEAC 44 – Yoga**

**1.0 unit**

**CSU/UC (Unit limitation)**

**Associate Degree Area E2**

3 hours lab

Introduction to basic yoga postures. Study and practice of exercises for self-awareness, breathing, relaxation, visualization and meditation.

**PHYSICAL SCIENCE**

**PHSC 1 - General Physical Science**

**3.0 units**

**CSU/UC (unit limitation)/CSU GE**

**Area B1/IGETC Area 5A**

**Associate Degree Area A**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture

A brief introduction to physics, chemistry, geology, and astronomy. Not intended for science majors. This course has been approved for online delivery.

**PHYSICS**

**PHYS 2A – General College**

**Physics I**

**4.0 units**

**CSU/UC**

**CSU GE Areas B1, B3**

**IGETC Area 5A 5C**

**Associate Degree Area A**

**Prerequisite:** MATH 7 Trigonometry

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture/3 hours lab

This course is the first semester of a two semester sequence. The sequence is intended for students not majoring in Physics or Engineering. The core topics include: fundamental descriptions of motion and its causes, the physical and thermal properties of matter, and the transfer of energy in waves.

**PHYS 2B - General College**

**Physics II**

**4.0 units**

**CSU/UC**

**CSU GE Areas B1, B3**

**IGETC Area 5A 5C**

**Associate Degree Area A**

**Prerequisite:** PHYS 2A General Physics I

3 hours lecture/3 hours lab

This course is the second course in the two course sequence. The sequence is intended for students not majoring in Physics or Engineering. The core topics include: fundamental descriptions of the relationship of matter and energy, including electricity and magnetism, ray and wave optics, and atomic structure.

**POLITICAL SCIENCE**

**PLSC 1 - American Institutions**

**3.0 units**

**CSU/UC**

**CSU GE Areas D8/IGETC Area 4H**

**Associate Degree Area B**

**C-ID POLS 110**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture

Designed to acquaint the individual with the basic principles of American national, state and local governments. Content will include the U.S. Constitution (origin and development), general functions and relationships of the three levels of government, political parties and electoral processes. This course may be used for partial fulfillment of the U.S. History and American Institutions requirement for graduation from four-year colleges. This course has been approved for online and correspondence.

**PLSC 11 - Student Leadership**

**1.0 unit**

**CSU**

3 hours lab

Practical experience in group leadership situations involving parliamentary procedure, organization, goal setting, budgeting, and agenda setting.

**PSYCHOLOGY**

**PSY 1 - Introduction to Psychology**

**3.0 units**

**CSU/UC**

**CSU GE Areas D9, E/IGETC Area 4I**

**Associate Degree Areas B, E1**

**C-ID PSY 110**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture

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 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. This course has been approved for online, correspondence, and hybrid delivery.

**PSY 2 - Principles of Psychology**  
**3.0 units**  
**CSU/UC**  
**CSU GE Areas D9, E/IGETC Area 4I**  
**Associate Degree Areas B, E1**  
**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture  
This course provides an in-depth survey of contemporary research in the areas of individual behavior, processes underlying behavior, biology and behavior, and social behavior with emphasis on contemporary problems, recent discoveries and innovations in the field of Psychology. This course has been approved for online and correspondence delivery.

**PSY 5 – Introduction to Research Methods**  
**3.0 units**  
**CSU/UC**  
**CSU GE Area D9/IGETC Area 4I**  
**Associate Degree Area B**  
**C-ID PSY 200**

**Prerequisite:** PSY 1 Introduction to Psychology and MATH 40 Statistics.  
3 hours lecture  
This course surveys various psychological research methods with an emphasis on research design, experimental procedures, descriptive methods, instrumentation, and the collection, analysis, interpretation, and reporting of research data. Research design and methodology will be examined through a review of research in a variety of the sub disciplines of psychology. This course has been approved for hybrid and online delivery.



**PSY 6 – Abnormal Psychology**  
**3.0 units**  
**CSU/UC**  
**CSU GE Area D9/IGETC Area 4I**  
**Associate Degree Area B**  
**C-ID PSY 120**  
**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture  
This course introduces the scientific study of psychopathology and atypical behaviors, broadly defined. Students investigate abnormal behavior from a variety of perspectives including biological, psychological, and sociocultural approaches. An integrative survey of theory and research in abnormal behavior, and intervention and prevention strategies for psychological disorders are also introduced. This course has been approved for hybrid and online delivery.

**PSY 18 - Human Development: A Life Span**  
**3.0 units CSU/UC**  
**CSU GE Area D7, E/IGETC Area 4G**  
**Associate Degree Area E1**  
**C-ID PSY 180**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement. / 3 hours lecture  
This course is designed to provide an overview of the physical, cognitive, social and emotional development from conception through the life-span. The emphasis will be on the practical application of developmental principles. This course has been approved for online delivery.

**PSY 31 - Child Development: Conception through Adolescence**  
**3.0 units/ CSU/UC**  
**CSU GE Area D7, E/IGETC Area 4G**  
**Associate Degree Area E1**  
**C-ID CDEV 100**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.  
3 hours lecture  
This course examines the major physical, psychological, and cognitive/language developmental milestones for children, both typical and atypical, from conception through adolescence. Emphasis will be on interactions between the maturational process and environmental factors. Students will be expected to observe children, analyze characteristic of children at different developmental stages and investigate research methodologies. This course has been approved for on-line and correspondence delivery.

**PSY 33 - Psychology of Personal and Social Adjustment**  
**3.0 units**  
**CSU**  
**CSU GE Area E**  
**Associate Degree Area E1**  
**C-ID PSY 115**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.  
3 hours lecture  
This course provides an introduction to theory, research, and practical application relevant to personal fulfillment, human relationships, and social functioning. Topics explored in this course include personality development, interpersonal relationships including intimate relationships, stress and stress management, traditional and changing gender roles, and adjusting to our ever changing modern society. This course has been approved for correspondence delivery.

**PSY 80 - Facing Stress and Pain**  
**1.0 unit**  
**Associate Degree Area E1**  
**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

16 hours lecture  
A course on stress management techniques for the beginner who wants to expand his/her understanding of what stress is, how it affects our physical and emotional well-being, and how to cope.

**PSY 95 - Parapsychology**  
**3.0 units**  
**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture  
The history of parapsychology will attempt to synthesize many aspects of parapsychological research with theoretical aspects of human psychic potential.





## SOCIOLOGY

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### **SOC 1 - Introduction to Sociology**

3.0 units

CSU/UC

CSU GE Area D0/IGETC Area 4J

Associate Degree Area B

**C-ID SOCI 110**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture

Basic concepts of sociology are covered with an emphasis on culture, socialization, social norms, roles, groups, community and ecology, social institutions, social classes, social changes and social policy. This course has been approved for online, hybrid (on-line/traditional), and correspondence delivery.

### **SOC 2 - Social Problems**

3.0 units

CSU/UC

CSU GE Area D0/IGETC Area 4J

Associate Degree Area B

**C-ID SOCI 115**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture

Investigation and analysis of major social problems in the United States at the present time. This course has been approved for online and correspondence delivery.

### **SOC 3 - Family Relations**

3.0 units

CSU/CSU GE Area E

Associate Degree Areas B, E1

**C-ID SOCI 130**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture

Sociological analysis of the family, including historical and recent changes, present nature and the socio-cultural and economic forces shaping these changes. This course has been approved for online and correspondence delivery.



### **SOC 4 - Introduction to Gender**

3.0 units

CSU/UC

CSU GE Area D4/IGETC Area 4D

Associate Degree Area B

**C-ID SOCI 140**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture

Sociological analysis of the social construction of masculinity and femininity historically and cross-culturally. It examines the debates on sex and gender. It analyzes the impact of economic and political change on gender expectations and practices. This course has been approved for online and correspondence delivery.

## SPANISH

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### **SPAN 1 - First Course in Spanish**

4.0 units

CSU/UC

CSU GE Area C2/IGETC Area 6A

Associate Degree Area C

**C-ID SPAN 100**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture/2 hours lab

This introductory course teaches beginning language acquisition in a cultural context through listening, speaking, reading and writing. The students will interact with authentic language in cultural context.

### **SPAN 2 - Second Course in Spanish**

4.0 units

CSU/UC

CSU GE Area C2

IGETC Area 3B, 6A

Associate Degree Area C

**Prerequisite:** SPAN 1 First Course in Spanish

3 hours lecture/2 hours lab

A continuation of beginning Spanish in the study of the fundamentals of Spanish grammar with practice in pronunciation, understanding, speaking, reading, and writing. A more in depth presentation of Hispanic culture, geography, and history is included.

### **SPAN 50 - Conversational Spanish**

3.0 units

Associate Degree Area C

**Recommended Preparation:**

Successful completion of ENGL105 or equivalent assessment placement.

3 hours lecture

Designed to give students abundant practice in developing oral communication skills in Spanish. Topics providing basis for discussion and prepared talks will include everyday life situations, current events, Latin American and Spanish culture.

## SPEECH

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### **SPCH 1 - Fundamentals of Speech Communication**

3.0 units

CSU/UC

CSU GE Area A1/IGETC Area 1C

Associate Degree Area D2

**C-ID COMM 110**

**Prerequisite:** ENGL 1 College Composition

3 hours lecture

Theory and techniques of public speaking in democratic society. Discovery, development, and criticism of ideas in public discourse through research, reasoning, organization, composition, presentation, and evaluation of various types of speeches including informative and persuasive speeches. This course has been approved for hybrid delivery.

## TUTORING

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### **TUTR 50 - Fundamentals of Peer Tutoring**

0.5 unit

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

1 hour lecture (9 weeks)

This course is designed for peer tutors working in the college tutorial center. This course will focus on the practical skills necessary to function effectively as a peer tutor in the student's chosen areas of study. Students will participate in supervised tutoring in the College's Learning Center.





## VOCATIONAL NURSING

See Nursing

## WELDING TECHNOLOGY

### WT 20 - Power Plant and Field Pipe Welding I

3.0 units

CSU

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

1 hour lecture/6 hours lab (R)

This is the first of a four course sequence to prepare students in power plant and field welding. This course deals with shop safety, oxyacetylene cutting (OAC), air carbon arc cutting (CAC-A), shielded metal arc welding (SMAW) and pipe welding. Pipe coupons will be prepared and welded in the horizontal rolled (1G) position. American Welding Society (AWS) welding qualifications on plate and pipe will be prepared and completed. Repeatable as required for qualification by the American Welding Society (AWS) D1.1 Section 4. Period of Effectiveness. (Instructor Authorization Required for Course Repetition.)

### WT 21 - Power Plant and Field Pipe Welding II

3.0 units

CSU

**Recommended Preparation:**

Successful completion of ENGL105 or equivalent assessment placement.

1 hour lecture/6 hours lab (R)

This is the second course of a four course sequence dealing with pipe welding, in the 2G and 5G positions, using the shielded metal arc welding (SMAW) process. Gas tungsten arc welding (GTAW) will be introduced to prepare the student for welding on pipe using the GTAW process. American Welding Society (AWS) welding-qualification will be prepared and completed on one inch plate in the 3G and 4G positions. Repeatable as required for qualification by the AWS D1.1 Section 4 Period of Effectiveness. (Instructor Authorization Required for Course Repetition.)



### WT 22 - Power Plant and Field Pipe Welding III

3.0 units

CSU

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

1 hour lecture/6 hours lab (R)

This is a fundamental class dealing with pipe welding in the 6G position using the shielded metal arc welding (SMAW) process. Joint designs will be performed using the gas metal arc welding (GMAW), and the gas tungsten arc welding (GTAW) process in preparation for welding root passes on pipe. Welding symbols are presented and reviewed in order to enable students to interpret welding blueprints. This is the third of a four course sequence to prepare students for power plant and field pipe welding. American Welding Society (AWS) qualifications in GTAW, GMAW, and flux core arc welding (FCAW) will be prepared and completed. Repeatable as required for qualification by the AWS D1.1 Section 4 Period of Effectiveness. (Instructor Authorization Required for Course Repetition.)

### WT 23 - Power Plant and Field Pipe Welding IV

3.0 units

CSU

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

1 hour lecture/6 hours lab (R)

This class deals with pipe welding in the 2G (vertical fixed), 5G (horizontal fixed), and 6G (45° fixed) positions using gas tungsten arc welding (GTAW) for the root pass and shielded metal arc welding (SMAW) for the fill and cover passes.

American Welding Society (AWS) pipe qualifications will be prepared and completed in the 2G, 5G and 6G positions. Repeatable as required for qualifications by the American Welding Society D1.1 Section 4 Period of Effectiveness. (Instructor Authorization Required for Course Repetition.)

(Instructor authorization required for course repetition.)

### WT 31 – GTAW for Gunsmiths

3.0 units

CSU

1 hour lecture/6 hours lab

This course is designed to develop the manipulative skills, technical knowledge and application of the tungsten arc welding (GTAW) process as they relate to firearm repair. The student will be required to provide their own tungsten welding electrodes for this course at a cost of approximately \$30.00

### WT 32 – Advanced GTAW for Gunsmiths

3.0 units

CSU

**Recommended Preparation:** Concurrent enrollment or credit for **WT 31 GTAW for Gunsmiths** or instructor approved work experience/classes.

1 hour lecture/6 hours lab

This course is designed to provide an opportunity for the student to further their understanding in applying the specialized gas tungsten arc welding (GTAW) process to aluminum and stainless steel as it relates to firearm repair. Students will work on the design, function and repair of gunparts and related equipment using the GTAW process. The student will be required to provide their own tungsten welding electrodes for this course at a cost of approximately \$30.00.

### WT 36 - Welding Theory and Practice – Oxyacetylene

1.0-3.0 units

CSU

9 hours lab (R)

This is an elective welding course where students will apply the oxyacetylene welding (OAW) and oxyacetylene cutting (OAC) processes to selected projects. This course may be taken for a total of three enrollments, not to exceed three units. This course has been approved for open entry/open exit.

### WT 37 - Welding Theory and Practice-Shielded Metal Arc Welding

1.0-3.0 units

CSU

9 hours lab (R)

This is an elective welding course where the student will apply the shielded metal arc welding (SMAW) process to selected projects. This course has been approved for open entry/open exit. This course may be taken for three enrollments not to exceed three units, or as required to maintain welding qualifications per American Welding Society (AWS) D1.1 Section 4 Period of Effectiveness. (Instructor Authorization Required for Course Repetition.)



**WT 38 - Welding Theory and Practice - Gas Metal Arc Welding**  
**1.0-3.0 units**

**CSU**

9 hours lab (R)

This is an elective welding course where students will apply the gas metal arc welding (GMAW) process to selected projects. This course has been approved for open entry/open exit. This course may be taken as required for qualification by the American Welding Society D1.1, Section 4.1.3. (Instructor Authorization Required for Course Repetition.)

**WT 39 - Welding Theory and Practice - Gas Tungsten Arc Welding**  
**1.0-3.0 units**

**CSU**

9 hours lab (R)

This is an elective welding course where students will apply the gas tungsten arc welding (GTAW) process to selected projects. This course has been approved for open entry/open exit. This course may be taken as required for qualification by the American Welding Society D1.1, Section 4.1.3. (Instructor Authorization Required for Course Repetition.)

**WT 40 - Oxyacetylene Welding**  
**3.0 units**

**CSU**

9 hours lab (R)

This is a beginning elective welding course designed to develop the manipulative skills, technical knowledge and application of the oxyacetylene welding and cutting process.

**WT 42 - Intermediate Shielded Metal Arc Welding**  
**3.0 units**

**CSU**

9 hours lab (R)

This is the second in a three course series of fundamental elective classes dealing with the shielded metal arc welding process (SMAW). Filler rods will be selected and applied to joint designs which meet industrial specifications. Repeatable as required for qualification by the American Welding Society D1.1, Section 4 Period of Effectiveness (Instructor Authorization Required for Course Repetition.)

**WT 43 - Advanced Shielded Metal Arc Welding**  
**3.0 units**

**CSU**

9 hours lab (R)

This is the last in a three-course sequence of fundamental elective classes dealing with the shielded metal arc welding (SMAW) process. Specialized filler rods will be selected and applied to joint designs which meet industry standards. Repeatable as required for qualification by the American Welding Society (AWS) D1.1, Section 4 Period of Effective. (Instructor Authorization Required for Course Repetition.)

**WT 44 - Gas Metal Arc Welding**  
**3.0 units**

**CSU**

9 hours lab (R)

This course is designed as an elective class to develop the manipulative skills, technical knowledge and application of the gas metal arc welding (GMAW) spray transfer process and flux core arc welding with gas (FCAW-G). The processes will be applied to recognized joint designs on ferrous materials. GMAW will also be explored in welding nonferrous materials (aluminum). Repeatable as required for qualification by the American Welding Society (AWS) D1.1, Section 4.1.3. (Instructor Authorization Required for Course Repetition.)

**WT 45 - Gas Tungsten Arc Welding**  
**3.0 units**

**CSU**

9 hours lab (R)

This is an elective course designed to develop the manipulative skill, technical knowledge and application of the gas tungsten arc welding (GTAW) process. The process will be applied to selected joint designs on ferrous and nonferrous materials. Repeatable as required for qualification by the American Welding Society D1.1, Section 4.1.3. (Instructor Authorization Required for Course Repetition.)



**WT 49 - Welding Technology Work Experience**  
**1.0-8.0 units**

**CSU**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

5-40 hours lab (R)

This course enables students with educational or career goals in welding, who are working in the field of welding, to build related job specific skills through individualized learning objectives and enhance their workplace performance. Attendance of an on campus orientation session is required for all Work Experience enrollments. Students complete an online expanded orientation module addressing workplace success skills throughout the term. Subsequent enrollments require new individualized learning objectives. Units are awarded based upon achievement of approved learning objectives, workplace performance, submission of course assignments, and documentation of work hours. Enrollment in Work Experience courses is limited to a maximum of 16 units, including all Vocational, Occupational and General Work Experience enrollments. Title V specifies students will earn 1 unit of credit for each 75 hours paid work, and 1 unit of credit for each 60 hours volunteer work. This course has been approved for hybrid delivery.

**WT 50 – Welding for Artists (Design and Fabrication)**  
**2.0 unit**

**Co-requisite:** ART-50 Welding for Artists (History of Welded Sculpture)  
102 hours lab (R)

Students will become proficient in the use of oxy-acetylene, arc/stick, TIG, and MIG welding techniques in addition to metal cutting tools found in a welding studio. Students will also become knowledgeable with stationary tools common to a welding shop such as: breaks, shears, bench grinders, hand grinders and drills. This class will focus on welding and metal fabrication as a fine art medium.

**WT 51- Blueprint and Symbol Reading for Welders**  
**2.0 units**

**2.0 units**

This course is an introduction to blueprint and symbol interpretation practices commonly used in the welding and metal fabrication industries. This course will cover drawing types, symbols, views, dimensions and tolerances. This course will further develop the student's range of thinking required to assemble simple components and complex assemblies from welding prints.

## WORK EXPERIENCE

### **WE 1 - General Work Experience** **1.0-8.0 units/ CSU**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

5-30 hours lab (R)

This course consists of a program of on-the-job learning experiences designed to assist the student in developing effectiveness on the job. Employment need not be related to a vocational or occupational major. Attendance of an on campus orientation session is required for all Work Experience enrollments. Students complete an online expanded orientation module addressing workplace success skills throughout the term. Subsequent enrollments require new individualized learning objectives. Units are awarded based upon achievement of approved learning objectives, workplace performance, submission of course assignments, and documentation of work hours. Enrollment in this course shall not exceed six units. Enrollment in Work Experience courses is limited to a maximum of 16 units, including all Vocational, Occupational and General Work Experience enrollments. Title V specifies students will earn 1 unit of credit for each 75 hours paid work, and 1 unit of credit for each 60 hours volunteer work. This course has been approved for hybrid delivery.

### **WE 2 - Occupational Work Experience**

#### **1.0-8.0 units** **CSU**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent assessment placement.

5-40 hours lab (R)

This course enables students with educational or career goals related to a transfer major at another institution and who are working in a related position, to build related job specific skills through individualized learning objectives and enhance their workplace performance. Attendance of an on campus orientation session is required for all Work Experience enrollments. Students complete an online expanded orientation module addressing workplace success skills throughout the term. Subsequent enrollments require new individualized learning objectives. Units are awarded based upon achievement of approved learning objectives, workplace performance, submission of course assignments, and documentation of work hours. Enrollment in this course shall not exceed six units. Enrollment in Work Experience courses is limited to a maximum of 16 units, including all Vocational, Occupational and General

Work Experience enrollments. Title V specifies students will earn 1 unit of credit for each 75 hours paid work, and 1 unit of credit for each 60 hours volunteer work. This course has been approved for hybrid delivery.

## NON-CREDIT COURSES BASIC SKILLS

### **BS 156 - Practical Writing** **0.0 unit**

2 hours lecture/1.5 hours lab

This summer bridge course uses contextualized learning to enable students to develop and improve their basic reading and writing skills before entering college. The student's community will provide the material for assignments, while in the classroom they will learn, through lecture and writing exercises, different methods for interpreting those experiences. They will also be instructed in basic skills writing mechanics and note-taking that will help them become more successful college students.

### **BS 157 - Practical Math** **0.0 unit**

2 hours lecture/1.5 hours lab

This basic skills course uses contextualized learning to enable students to develop and improve their basic math skills through real world applications. The student's community will provide the material for assignments, while in the classroom they will learn, through lecture and exercises, how math can be used in their daily lives. They will also be instructed in basic skills math that will help them become more successful college students.

## CAREERS

### **CARS 151 - Career Life Skills** **0.0 unit**

2 hours lecture (R)

This course is designed to aid the student to assess and develop the personal and workplace skills and behaviors needed to be an effective employee. Skills include positive self-esteem, decision-making, goal-setting, and stress management, among others. This course may be taken for a total of four enrollments.

### **CARS 153 - Career/Employment Strategies** **0.0 unit**

2 hours lecture (R)

This course is designed to help the student develop the skills to locate the best employment opportunities, to write winning resumes and to successfully interview. The course also looks at students making realistic self-appraisal of

values, interests and capacities and applying these toward the selection of a future career. This course may be taken for a total of four enrollments.

## COMPUTER APPLICATIONS

### **CA 150 - Computer Skills for Senior Adults** **0.0 unit**

.5 hours lecture/1.5 hours lab (R)

This course is designed to provide the senior adults with an opportunity to familiarize themselves with various computer technologies. Subjects will include, but not be limited to, the Windows operating system, Windows applications (e.g. NotePad, Calculator, Paint, and WordPad), spreadsheets, the Internet, and E-mail. While the course is open to all ages and levels of expertise, it is geared toward the older adult who has little to no previous experience with the computer. This course may be taken for a total of four enrollments.

## COUNSELING & GUIDANCE

### **CG 150 - College Success Skills Workshop Series** **0.0 unit**

48 hours lab (R)

By attending success skills workshops, students will develop strategies to improve college success.

### **CG 155 - Study Strategies Lab** **0.0 unit**

6 hours lab (R)

This lab course is designed to provide students with general study skills as well as course specific help in classes in which the student is experiencing difficulty. Student-to-student tutorial assistance, study strategies and instructor intervention will provide the student with the academic support to be successful in the classroom. This course may be taken for a total of two enrollments.

### **CG 158 - New Student Orientation** **0.0 unit**

15 hours lecture

A workshop designed to assist new students in their transition to Lassen Community College. During orientation, new students are provided with opportunities to meet other students, faculty staff, participate in course placement testing, a campus tour, information about college programs and services, financial assistance, assessment, counseling and registration.



## DEVELOPMENTAL STUDIES

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### **DS 153 - Developmental Studies-Community Awareness I**

#### **0.0 unit**

4 hours lab (R)

For the non-reading, non-writing, and/or non-verbal student who wishes to explore their community and their place within it. This course may be taken as needed.

### **DS 158 - Developmental Studies – Adaptive Arts & Crafts**

#### **0.0 unit**

2 - 4 hours lab (R)

This course is designed for students with developmental disabilities or senior citizens with disabilities to increase skill development in a broad range of arts and crafts techniques. The focus will be on completion of arts and crafts projects using a variety of methods and materials based on individual needs, skills, and abilities. This course may be taken as needed. The students will construct a take home craft project at \$1.50 per project per week plus additional consumable materials for each project (glue, glue sticks, paints, gems, etc.) at a value of \$4.50 per student for the 17 week semester. An additional fee of \$30.00 will be charged at time of registration to cover the cost of materials.

## ENGLISH

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### **ENGL 150 - ESL Basic Skills**

#### **0.0 unit**

2 hours lecture/3 hours lab (R)

This skills development course is for the ESL/foreign student who scores below the fourth grade level on the Placement Test. It will provide, through a combination of lecture and lab, individualized instruction in the acquisition of basic language skills, including reading comprehension, vocabulary development, oral and written expression, and critical thinking. This course may be taken for a total of four enrollments.



### **ENGL 151 - ESL Intermediate Skills**

#### **0.0 unit**

**Prerequisite:** ENGL 150 ESL Basic Skills. Before entering this course, the student should be able to: 1. Recognize basic work patterns, syllabication and phonics; 2. Communicate basic ideas both verbally and in writing; 3. Use correct syntactical construction both verbally and in writing.

2 hours lecture/3 hours lab

This noncredit course reinforces and expands non-native English speakers' literacy and speaking skills from basic level to an intermediate level. Students will engage in collaborative activities that integrate reading, writing, speaking, and listening. New vocabulary will be stressed and basic grammar introduced in context. All instruction is conducted in English and emphasis is on developing language which will enable students to become successful workers in the U.S. job market. This course may be taken for a total of four enrollments.

### **ENGL 155 - English Writing Lab – Basic Skills**

#### **0.0 unit**

4 hours lab (R)

This lab course is designed to provide students with general study skills as well as course specific help in the Basic English and Writing courses (ENGL 103 and ENGL 102). Student to student tutorial assistance, study strategies and instructor intervention will provide the student with the academic support to be successful in the classroom. This course may be taken for a total of four enrollments.

## ENGLISH AS A SECOND LANGUAGE

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### **ESL 155 - Citizenship Test Preparation**

#### **0.0 unit**

2 hours lecture/4 hours lab (9 weeks) (R)  
This course is a developmental course for ESL/foreign students, which may be repeated as often as needed until naturalization is attained. A combination of lecture, lab, class discussion, workbook assignments, computer programs, videos and individualized instruction will present concepts related to US history and civic responsibilities. The student will practice language skills essential to obtaining and completing the INS application and practice the written and oral naturalization test. This course may be taken for a total of three enrollments.

## FIRE TECHNOLOGY

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### **FS 156 - Pump Operations**

#### **0.0 unit**

16 hours lab (1 week) (R)

This course provides the student with the information, theory, methods, and techniques for operating fire service pumps. (Course Certified by the California State Fire Marshal.) This course may be taken for a total of four enrollments.

## MATHEMATICS

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### **MATH 155 - Math Lab - Basic Skills**

#### **0.0 unit**

4 hours lab (R)

This lab course is designed to provide students with general study skills as well as course specific help in the Basic Math and Pre-Algebra courses (Math 101 and Math 102). Student to student tutorial assistance, study strategies and instructor intervention will provide the student with the academic support to be successful in the classroom. This course may be taken for a total of three enrollments.

### **MATH 156 - Math Lab – Precollegiate Algebra**

#### **0.0 unit**

4 hours lab (R)

This lab course is designed to provide students with general study skills as well as course specific help in any of the following courses: Technical Math (Math 53), Elementary Algebra (Math 103) and Intermediate Algebra (Math 60). Student to student tutorial assistance, study strategies and instructor intervention will provide the student with the academic support to be successful in the classroom. This course may be taken for a total of three enrollments.

## TUTORING

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### **TUTR 150 - Supervised Tutoring**

#### **0.0 unit 3 hours lab (R)**

This course is designed to increase the probability of a student's successful completion of his/her educational goals by offering one-to-one tutoring or other appropriately supervised assistance. This course may be taken for a total of four enrollments.



# Administration

**Dr. Marlon Hall**  
**Superintendent/President**

Ed.D., Educational Leadership and Change-Community College, Fielding Graduate University, Santa Barbara  
M.A., Education-Reading and English as a Second Language, Fresno Pacific University  
M.A., Education-Administration and Supervision, CSU-Fresno  
B.A., Journalism, CSU-Fresno  
B.A., Biblical Studies, West Coast Christian College, Fresno

**Dr. Terri Armstrong**  
**Vice President of Academic Services/Athletic Director**

PH.D., Education/Training and Leadership Development, North Central University  
M.A., Psychology/Health Psychology, Capella University  
B.A., Dental Hygiene, Oregon Institute of Technology

**Dave Clausen**  
**Vice President of Administrative Services**

B.S., Business Administration - Accounting, CSU, Chico

**Patrick Walton**  
**Dean of Student Services**

M.A., Public Administration, California State University, Chico  
B.A., Public Administration, California State University, Chico

**Brian Murphy**  
**Associate Dean of Institutional Effectiveness and Research**

M.B.A., University Nevada, Reno  
B.S. Business Administration, CA State University, Sacramento

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← ————— →  
**Faculty**

**Dr. Dan Anderson, Ph.D.**  
**Chemistry**  
Ph.D., Chemistry, University of California, Davis  
B.A., Chemistry & German, California State University, Chico

**Cheryl L. Aschenbach,**  
**English, Physical Education**  
M.A., English, National University  
M.A., Physical Education, California State University, Chico  
B.A., Physical Education, California Lutheran University

**Colleen Baker**  
**History**  
M.A., Education, (Educational Counseling) California State University, San Bernardino  
M.A., Education, (Vocational Counseling) California State University, San Bernardino  
B.A., Social Sciences, California State University, San Bernardino

**Buck Bauer**  
**Gunsmithing**  
AS Gunsmithing, Lassen Community College  
AS Firearms Repair, Lassen Community College

**Barbara Baston**  
**Counselor**  
M.A., Rehabilitation Counseling, San Diego State University  
B.A., Liberal Studies, Chico State University

**Sandra Beckwith**  
**Psychology**  
M.S., Human Development, University of Texas at Dallas  
B.S., Psychology, Colorado State University

**Nancy Bengoa-Beterbide**  
**Administration of Justice and Correctional Science**

M.S., School Counseling, University of Laverne, California  
B.A., Child Development, California State University, Chico

**Ross Brosius**  
**Physical Education and Health**

M.S., Physical Education, California State Polytechnic University, San Luis Obispo  
B.A., Physical Education, University of California, Berkeley

**Carie Camacho**  
**Sociology**

M.S., School Counseling, University of Laverne  
B.A., Sociology, California State University, Chico

**Lori Collier**  
**Graphic Design**

B.A. Fine Arts – Visual Communication, California Institute of the Arts

**Noelle Eckley**  
**Mathematics**

M.A., Mathematics, California State University, San Francisco  
B.A., Mathematics, California State University, San Francisco

**Lisa Gardiner**  
**Work Experience Coordinator**

M.A., Social Work, Health and Human Services, California State University, Long Beach  
B.A., Liberal Studies, California State University, Chico

**Michael Giampaoli**  
**Art and Photography**

B.A., History of Art, University of California, Berkeley  
B.A., Art Practice, University of California, Berkeley

**Cynthia Howe**  
**Learning Disabilities**

M.Ed., Counseling, University of San Diego, San Diego, CA  
B.S., Business Management and Marketing, Franklin University, Columbus, OH

**Kory Konkol**  
**Welding Technology**

A.S., Power Generation Technology, Lassen Community College

**Chad Lewis**  
**Automotive Technology**

ASE Master Auto Technician  
ASE Master Medium/Heavy Truck Technician  
ASE L1 Advanced Engine Performance  
ASE Service Consultant  
ASE Master Engine Machinist  
SCBAR Smog Check Inspector  
SCBAR Smog Check Repair

**Cherie Lujano**  
**Director of Nursing**

Ph. D. Organizational Leadership/Development, Grand Canyon University  
M.S. Nursing Leadership, Grand Canyon University  
B.S. Nursing, Grand Canyon University  
A.S. Nursing, Phoenix College

**John Martin**  
**Gunsmithing**

Professional Gunsmith Certificate  
Gunsmith Welding Certificate  
NRA Basic Armor Certificate  
NRA Basic Fiberglass Stock Certificate

**Cory McClellan**  
**English**

M.S., English: Creative Writing, University of Massachusetts, Amherst  
B.A., English: Creative Writing, University of Arizona

**Natalia McClellan**  
**Mathematics**

M.A Mathematics, Oregon State University  
B.A Mathematics, University of Cumberland

**Susan G. Mouck**  
**Biological Science**

M.S., Biological Science, California State University, Northridge  
B.A., Biological Science, California State University, Northridge

**Jackson Ng**  
**Computer Science**

M.S., Computer Science, California State University, Chico  
B.S., Business, University of California, Berkeley

**Carrie Nyman**  
**Adaptive Physical Education**

B.S., Education, Auburn University

**Jeffrey Owens**  
**English**

MA English, University of Nevada, Reno

**Toni Poulsen**  
**History and Health**

M.A., Social Science, California State University, Chico  
M.A., Physical Education, California State University, Chico  
B.A., Social Science, California State University, Chico

**Thomas Rogers**  
**EOP&S Counselor**

M.E., Counseling and Development, Montana State University  
B.A. General Arts, Social Sciences, Minor Sociology and Psychology, Villanova University

**Adam Runyan**  
**Counselor**

M.A., Counseling and Human Services, University of Colorado  
B.A. Sociology/English, Adams State University

**Robert Schofield**  
**Mathematics**

B.S., Mathematics, California State University, Chico  
B.S., Computer Science, California State University, Chico

**Alison Somerville**  
**Academic Counselor**

M.S., Counselor Education, California State University, Sacramento  
B.A., Liberal Studies, California State University, Sonoma

**Ross Stevenson**  
**Mathematics**

M.A., Management, Regent University Virginia Beach, Virginia  
B.S., Mechanical Engineering, California State Polytechnic University, San Luis Obispo

**Richard Swanson**  
**Journalism, English**

M.A., Critical Study in Teaching English, Michigan State University  
M.A., Journalism, Michigan State University  
B.A., English, Indiana University

**Dr. John Taylor**  
**Director Library/Learning Resources Center**

Ph.D., Philosophy and Religion, CA Institute of Integral Studies  
M.L.S., Library Science, University of Arizona  
B.A., Old Testament Literature, Oral Roberts University

**Garrett Taylor**  
**Business**

M.B.A., Capella University  
B.S., Accounting, University Nevada, Reno

**Kam Vento**  
**Human Services**

M.B.A., National University, San Diego  
B.A., Psychology, California State University, Sacramento

**Brian Wolf**  
**Agriculture**

B.A., Agriculture, California State University, Chico

**Glen Yonan**  
**Coaching/Assistant Athletic Director**

M.S., Sports Management, United States Sports Academy  
B.A., Sociology, California State University, Chico



**Confidential and Supervisory Personnel**

**Terry Bartley**  
**Comptroller**

A.A., General Education, Yuba Community College

**Francis "Beau" Beaujon**  
**Residential & Campus Activities Manager**

B.A., Physical Education, West Virginia University

**Gregory Collins**  
**Director of Facilities and Operations**

B.A., Environmental Design University of California, Davis

**Paige Broglio**  
**Coordinator of Special Grants Program**

B.A. Liberal Studies, California State University, Chico  
A.A. University Studies, Lassen Community College

**David Corley**  
**Director of Information Technology**

M.A., Science, National University  
B.A., Arts, Simpson University

**Carol Growdon**  
**NRA/Gunsmithing and Post Coordinator**

A.A, Liberal Arts, Mendocino College

**Dan Harr**  
**Manager, Custodial and Safety Services**

Certification in the Carpentry Apprentice Program, Chabot College

**Eric Imrie**  
**Athletic Trainer**

B.S. Kinesiology emphasis in athletic Training, Humboldt State

**Julie Johnston**  
**Executive Assistant II**  
**Office of the President**  
**Public Information Officer/Marketing Director**

A.A., Business Administration, University of Phoenix

**John Larrivee**  
**Resource Development Coordinator**

M.A. Public Administration and Urban and Regional Planning, University of Southern California  
B.S. Psychology, Business and Economics, University of Minnesota

**Matthew Levine**  
**Financial Aid Director**

B.A., Business Administration, National University





**Susan Kelley**  
**Instructional Support Technician**

**Rockefeller Kotaro**  
**Instructional Support Specialist, Automotive and Welding**

A.A., Criminal Justice, Lassen Community College

**Jeffrey Lang**  
**Maintenance Specialist III – Plumber**

**Pamela Lee**  
**Meal Program coordinator**

A.A. Social Sciences, Lassen Community College

**Nancy Lounsbury**  
**Accounting Technician I**

A.A., University Studies, Lassen Community College  
A.A., General Education, Lassen Community College

**Tina Madrid**  
**Child Development Center Assistant**

A.A., Child Development, Porterville College

**Josetta Mata**  
**Bookstore Operations Technician**

**Renee McAndrews**  
**Administrative Assistant II, Child Development**

**Logan Merchant**  
**Information Technology Specialist II**

**K.C. Mesloh**  
**Transfer Center Assistant**

A.A., General Business, Lassen Community College

**Carol Montgomery**  
**Program Assistant- EOP&S**

A.S., Business Administration, Lassen Community College

A.S., Accounting, Lassen Community College

**Mathew Montgomery**  
**Information Technology Specialist II**

A.A., Business, Truckee Meadows Community College

A.A., Automotive Technologies, Lassen Community College

**Codi Mortell**  
**Administrative Assistant III, Academic Services**

B.A., Liberal Studies/History, Bellevue University

A.A., University Studies, Lassen Community College

**Patsy Murdock**  
**Maintenance Custodian**

**Motare Ngiratmab**  
**Academic Advisor/Special Programs**

A.A., Automotive Technology, Lassen Community College

**Esparanza Plasencia**  
**Child Development Associate Teacher**

A.A., Early Childhood Education, Lassen Community College

**Susan Rentfrow**  
**Accounting Technician I**

A.S., Accounting, Lassen Community College

A.S., Office Administrative Assistant, Lassen Community College

**Cathy Rilota**  
**Food Service Coordinator**

**Dale Roberts**  
**Maintenance Custodian**

**Bruce “Eddie” Sager**  
**Maintenance Custodian**

**Tiffany Stone**  
**Administrative Assistant III, Kinship/ILP**

**Stephney Stuart**  
**Library Technician II**

A.A., General Education, Lassen Community College

**Lou Tangelbad**  
**Maintenance Custodian**

A.S., Accounting, Lassen Community College

A.S., Business Administration, Lassen Community College

A.A., Liberal Arts, Lassen Community College

**Brennan Temol**  
**Food Services Worker**

**Jennifer Tupper**  
**Instructional Support Specialist III, Learning Center/Tutoring**

B.A., Management/Marketing, Sonoma State University

A.A., Mathematics/Science, Lassen Community College

**Randel Wilcox**  
**Instructional Support Specialist I, Adaptive PE**

B. S. Psychology, Simpson University

A. A. Liberal Arts, Lassen Community College

**Julie Williams**  
**Instructional Support Specialist I, DSPS**

B.A., Liberal Studies, Oregon State University

**Norm Wilson**  
**Maintenance Specialist II**

**Ngirmang Yaoch**  
**Purchasing Assistant**

A.A. Social Science, Lassen Community College



## Emeritus Faculty

---

**Lynda Alberico**

*Counseling*

**Liona Baker**

*Vocational Nursing*

**Benjamin H. Barker**

*Art*

**Robert Bengard**

*Power Generation Technology*

**Tina Bishop**

*Counseling*

**I.D. "Doc" Blevins**

*Automotive Technology*

**Robert Brower**

*History, Humanities*

**Dwight Brown**

*Computer Science*

**Rosanna Brown**

*Librarian*

**Warren E. Chapman**

*Art, Photography*

**Bernadette Chavez**

*Psychology*

**Ellen B. Collins**

*Business, Psychology*

**Robert H. Dunlap**

*Gunsmithing*

**Elaine Edwards**

*Work Experience*

**Joe R. Fitschen**

*English, Philosophy*

**David Foster**

*Mathematics*

**Deanna Foster**

*English*

**Robert C. Genasci**

*Physical Education, Athletics*

**Kenneth B. Goodman**

*Business*

**Janet Goodrich**

*Psychology, Counseling*

**James Goubert**

*Counseling/Work Experience*

**John W. Hamilton**

*Forestry*

**Robert Hershberger**

*Agriculture*

**Robert L. Irvin**

*Counseling, History*

**Robert Jones**

*Biology, Physical Education*

**Bob J. Kellenbeck**

*Mathematics*

**Linda Kennedy**

*Business, English,  
Administration of Justice*

**James B. Lytjen**

*Physical Education  
Track/Cross Country Coach*

**William Mark**

*Ethnic Studies, Political  
Science*

**James H. McMillin**

*Biology, Natural Science*

**Robert Middleton**

*Humanities, History*

**Ed Mincher**

*Science*

**Van Mitchell**

*Chemistry*

**Gary Motta**

*Physical Science, Mathematics*

**John Mulcahy**

*Welding*

**Donna Pritchard**

*Physical Education*

**Harold L. Powell**

*History*

**Kathy Rhymes**

*English*

**Robert Shepherd**

*Speech*

**Robert Spletstoesser**

*Engineering*

**Richard Springer**

*Counseling, DSP&S*

**James W. Sweet**

*Construction Trades*

**Stephen Taylor**

*Gunsmithing*

**Brian Tobin**

*History, English*

**Lylse Trabert**

*English, Philosophy*

**John W. Vest**

*Gunsmithing*

**Thomas T. Weeks**

*Automotive Technology*

**Ann Wingate**

*Counseling*

**John F. Wise**

*Gunsmithing*

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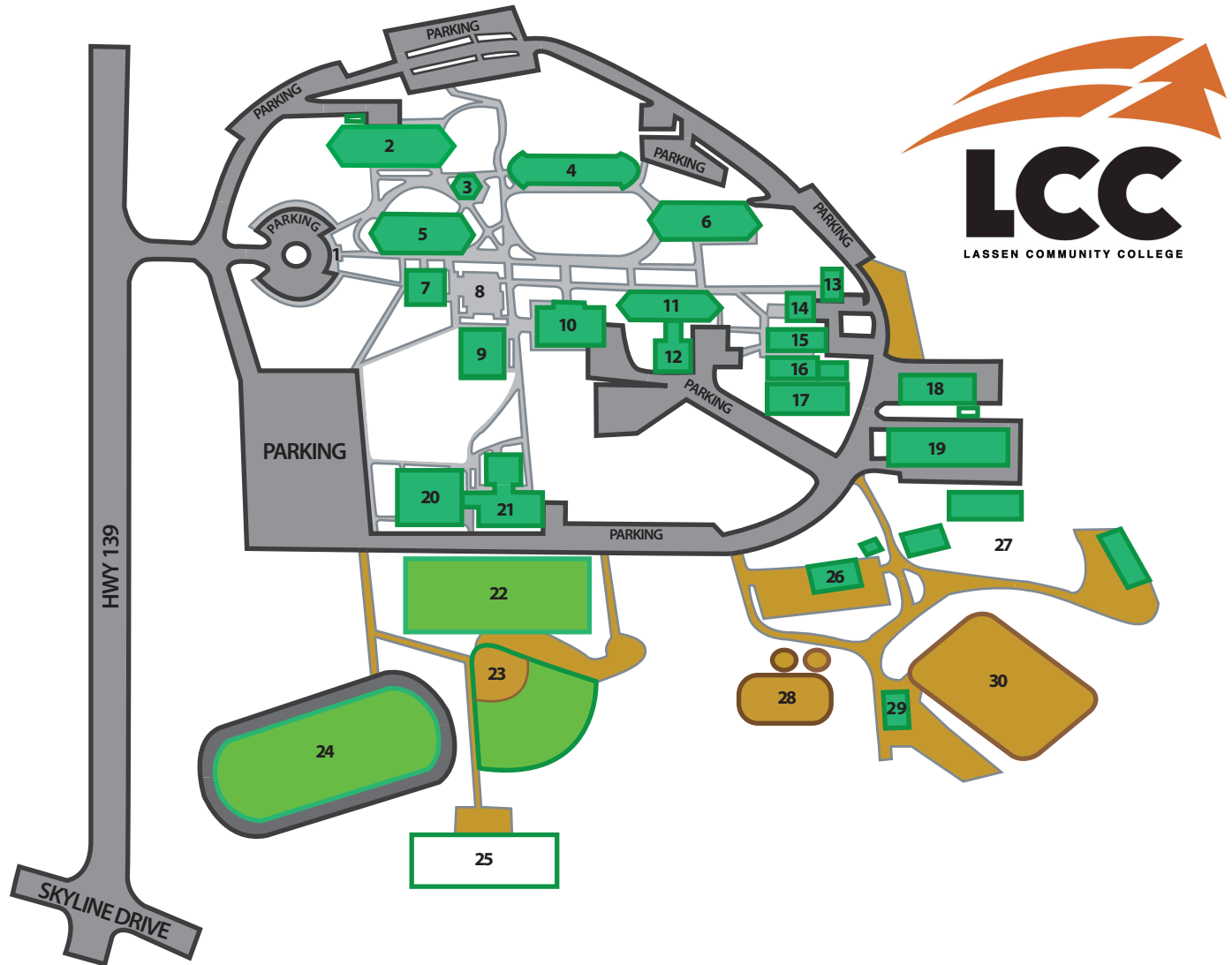
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# Lassen Community College Campus



- |                                      |   |
|--------------------------------------|---|
| 1. Bus Stop                          | 16. Storage                                   |
| 2. Creative Arts Building (CA)       | 17. Child Development Center (CD)             |
| 3. Board Room                        | 18. Shipping & Receiving / Maintenance        |
| 4. Residence Hall (Dorms)            | 19. Automotive / Welding Trades (TR)          |
| 5. Humanities Building (HU)          | 20. Sports Complex                            |
| 6. Math / Science Building (MS)      | 21. Athletic Offices                          |
| 7. Administrative Services           | 22. Soccer Field                              |
| 8. Student Quad                      | 23. Softball Field                            |
| 9. Business Office                   | 24. Track and Field                           |
| 10. Student Union                    | 25. Storage / Co Gen                          |
| 11. Student Services / Voc Tech (VT) | 26. Ag Barn                                   |
| 12. Gunsmithing (GS)                 | 27. Livestock Pens / Stalls / Trailer Parking |
| 13. Correspondence Office            | 28. Equestrian Arena / Round Pens             |
| 14. Child Care                       | 29. Equestrian Stalls                         |
| 15. "M" Building                     | 30. Rodeo Arena                               |



## Lassen Community College

P.O. BOX 3000 478-200 HWY 139  
Susanville, CA96130  
530.257.6181

[www.lassencollege.edu](http://www.lassencollege.edu)

[www.facebook.com/LassenCommunityCollege](https://www.facebook.com/LassenCommunityCollege)

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