

# ENGINEERING

## ENGR 100 INTRODUCTION TO ENGINEERING

*Units 3; Class Hours: Minimum of 32 lecture/48 lab /16 by arrangement lab hours/semester; Recommended: Eligibility for READ 836, and ENGL 836 or ESL 400; Prerequisite(s): MATH 130. Description:* This course is an introduction to the engineering profession and its different fields. It also provides an understanding of engineering processes and tools including experimentation, data analysis, and computer and communication skills. Emphasis is given to technical communications, ethical considerations, engineering design and analysis skills applied to illustrative projects and problems drawn from various engineering fields. A spreadsheet program (Microsoft Excel) and a high-level computer language (MATLAB) are an integral part of the course. Transfer: CSU, UC.

## ENGR 101 THE ENGINEERING PROFESSION

*Units 3; Class Hours: Minimum of 32 lecture/32 lab /32 by arrangement lab hours/semester; Recommended: Eligibility for READ 836, and ENGL 836 or ESL 400; Prerequisite(s): MATH 110 or 112. Description:* Provides students with knowledge of the engineering profession and its different fields; a basic understanding of engineering processes and tools, including experimentation, data analysis, and computer and communication skills applied to a wide variety of engineering problems. Throughout the course, emphasis is given to technical communications, engineering design and problem solving, and ethical considerations. A spreadsheet program (Microsoft Excel) and a high-level computer language (MATLAB) are an integral part of the course.

## ENGR 210 ENGINEERING GRAPHICS (CAN ENGR 2)

*Units 4; Class Hours: Minimum of 48 lecture/48 lab/32 by arrangement lab hours/semester; Eligibility for READ 420 and ENGL 100; Prerequisite(s): MATH 130. Description:* This course aims to provide students with an introduction to the engineering design process and graphical solutions of two- and three-dimensional design problems involving points, lines, surfaces, and solids. The course also aims to develop visualization skills and standard design drawing practices. The use of CAD (computer-aided design) software is an integral part of the course. Transfer: CSU, UC.

## ENGR 215 COMPUTATIONAL METHODS FOR ENGINEERS AND SCIENTISTS

*Units 3; Class Hours: Minimum of 32 lecture/48 lab hours/semester; Recommended: Eligibility for READ 420 and ENGL 100; Prerequisite(s): Completion of, or concurrent enrollment in MATH 241 or 251. Description:* Covers the fundamentals of procedural programming and computational methods for science and engineering. Topics include induction, iteration and recursion; approximations, floating-point computations, introduction to data structures and object oriented programming. Students will be given laboratory projects that use the MATLAB programming language to solve problems and examples drawn from algebra, trigonometry, calculus and elementary physics. Transfer: CSU, UC.

## ENGR 230 STATICS (CAN ENGR 8)

*Units 3; Class Hours: Minimum of 48 lecture/16 by arrangement lab hours/semester; Recommended: Eligibility for READ 836, and ENGL 836 or ESL 400; Prerequisite(s): PHYS 250. Description:* This course covers vector treatment of force systems acting on particles and rigid bodies; two- and three-dimensional problems; equilibrium problems involving trusses, frames, machines, distributed forces, fluid statics, internal forces and friction; centroids and moments of inertia; shear and moment diagrams for beams and virtual work. Transfer: CSU, UC.

## ENGR 240 ENGINEERING DYNAMICS

*Units 3; Class Hours: Minimum of 48 lecture/32 by arrangement lab hours/semester; Recommended: Eligibility for READ 836, and ENGL 836 or ESL 400; Prerequisite(s): ENGR 230. Description:* This course covers fundamentals of kinematics and kinetics of particles and rigid bodies. Topics include kinematics of particle motion; Newton's second law, work-energy and momentum methods; kinematics of planar and three-dimensional motions of rigid bodies; D'Alembert's principle, work-energy and momentum principles for rigid body motion; introduction to mechanical vibrations. Transfer: CSU, UC.

## ENGR 260 CIRCUITS AND DEVICES

*Units 3; Class Hours: Minimum of 48 lecture/16 by arrangement lab hours/semester; Recommended: Eligibility for READ 836, and ENGL 836 or ESL 400; Prerequisite(s): MATH 252 and PHYS 260. Description:* An introduction to the theory and techniques of circuit analysis. Circuit laws and nomenclature, resistive circuits with DC sources, controlled sources, ideal operational amplifiers, natural and complete responses of first- and second-order circuits, steady-state sinusoidal analysis, power calculations, amplifiers, and three-phase circuits. MATH 275 is recommended. Transfer: CSU, UC.

Recommended Sequence of Classes for Engineering Majors		
	Fall Semester	Spring Semester
<b>Year 1</b>	Math 251 Chem 210 Engr 210 CIS 118/119	Math 252 Phys 250 Chem 220 Engr 100 CIS 250/251
<b>Year 2</b>	Math 270 Math 275 Phys 260 Engr 270	Math 253 Engr 230 Engr 260/261 Phys 270
If students register for courses in this sequence there will be no conflicts of schedule.		
In addition to these Science/Engineering courses, students should take other General Education courses to complete the AS and/or transfer requirements.		

\*With limitations. Refer to pages 53-54 or see your counselor.

**ENGR 261 CIRCUITS AND DEVICES LABORATORY**

*Units 1; Class Hours: Minimum of 48 lab hours/semester; Recommended: Eligibility for READ 836, and ENGL 836 or ESL 400; Prerequisite(s): MATH 252 and PHYS 260. Completion of, or concurrent enrollment in ENGR 260. Description:* Basic instruments and experimental techniques in electrical engineering. Oscilloscopes, function generators, and multiple-use meters. Measurement of voltage, current, frequency response, and transient response. Semiconductor devices, diodes, rectifiers, transistors, and integrated circuits. Circuit simulations using PSpice. MATH 275 is recommended. Transfer: CSU, UC.

**ENGR 270 MATERIALS SCIENCE (CAN ENGR 4)**

*Units 3; Class Hours: Minimum of 32 lecture/48 lab/16 by arrangement lab hours/semester; Recommended: Eligibility for READ 836, and ENGL 836 or ESL 400; Prerequisite(s): MATH 251 and CHEM 210. Description:* Application of basic principles of chemistry and physics to the mechanical, electrical, optical, thermal, magnetic and deteriorative properties of materials. Special emphasis is given to the relationship between microstructure and the properties of metals, polymers, ceramics, and semiconducting materials. (PHYS 250 is recommended prior to taking this course). Transfer: CSU, UC.

**ENGR 410 COMPUTER-AIDED GRAPHICS**

*Units 2; Class Hours: Minimum of 24 lecture/24 lab/16 by arrangement lab hours/semester; Recommended: Eligibility for READ 836, and ENGL 836 or ESL 400; Prerequisite(s): MATH 110 or 112. Description:* Introduces the basic principles of engineering graphics including computer-aided design, pictorial sketching, orthographic projections, dimensioning and tolerances, two- and three dimensional construction techniques, and solid modeling. Transfer: CSU, UC\*.

**ENGR 413 DESIGNING WITH CAD**

*Units 2; Class Hours: 24 lecture/24 lab/16 by arrangement lab hours/semester; Recommended: Eligibility for READ 836, and ENGL 836 or ESL 400; Prerequisite(s): ENGR 410. Description:* Learn principles of descriptive geometry, computer-aided design (CAD), parametric solid modeling and their applications to solving engineering problems. The course also serves as an introduction to the engineering design process, and provides the students with opportunities to do practical engineering design projects, write technical reports, and prepare oral presentations. Transfer: CSU, UC\*.

**ENGINEERING TECHNOLOGY****ETEC 400 SYSTEMS AND FACILITY MAINTENANCE ENGINEERING I**

*Units (Grade Option) 6.5; Class Hours: Minimum of 104 lecture hours/semester; Recommended: Eligibility for READ 836, and ENGL 836 or ESL 400; Prerequisite(s): None. Description:* This course is an overview of facility maintenance engineering. Students analyze and apply essential skills needed in the workplace for maintaining and repairing building control systems, managing energy, handling customers, and applying occupational safety and health laws. Transfer: CSU.

**ETEC 410 SYSTEMS AND FACILITY MAINTENANCE ENGINEERING II**

*Units (Grade Option) 6.5; Class Hours: Minimum of 104 lecture/32 by arrangement lab hours/semester; Recommended: Eligibility for READ 836, and ENGL 836 or ESL 400; Prerequisite(s): ETEC 400. Description:* Continuation of ETEC 400. This employment-oriented course provides students with knowledge and skills in the areas of boilers, heating systems, and fluid dynamics; refrigeration and air handling systems, electrical systems illumination and applied mathematics; building design and maintenance; and understanding and reading blueprints. Transfer: CSU.

**ENGLISH, LITERATURE AND READING**

A Cañada College English Placement Test or ESL Placement Test is required for enrollment in most English and English for non-native speakers (ESL) courses. The placement tests may be waived if a student has completed an English course with a grade of "C" or better at another accredited college in the United States and can provide transcripts indicating course completion. (See section on Assessment and Placement.)

**English****ENGL 100 READING AND COMPOSITION****(CAN ENGL 2) (CAN ENGL SEQ A = ENGL 100 + 110)**

*Units 3; Class Hours: Minimum of 48 lecture/16 by arrangement lab hours/semester; Prerequisite(s): ENGL 836 or ESL 400 OR eligibility for ENGL 100 on approved college English Placement Test and other measures as necessary AND READ 836 with Credit or a grade of "C" or better OR eligibility for 400-level Reading courses on approved college Reading Placement Test and other measures as necessary.*

**Description:** An intensive reading and writing course based on the study of primarily non-fiction materials of culturally diverse writers. Course writing emphasizes the expository and the argumentative forms. Emphasis is placed on writing coherent, compelling essays demonstrating critical thinking skills and the basic elements of building a convincing argument. Transfer: CSU: A2, UC. (IGETC: 1A)

**ENGL 110 COMPOSITION, LITERATURE AND CRITICAL THINKING****(CAN ENGL 4) (CAN ENGL SEQ A = ENGL 100 + 110)**

*Units 3; Class Hours: Minimum of 48 lecture/16 by arrangement lab hours/semester; Prerequisite(s): ENGL 100. Description:* In this course students read and analyze works of fiction, poetry, and drama and write critical expository essays which demonstrate skills in analysis and critical thinking. Transfer: CSU: A3, C2, UC. (IGETC: 1B)

**ENGL 161 CREATIVE WRITING I**

*Units (Grade Option) 3; Class Hours: Minimum of 48 lecture hours/semester; Prerequisite(s): ENGL 100. Description:* The craft of writing fiction. Designed to help beginning writers to find a way to begin and to encourage journeyman writers to continue. Emphasis falls upon writing technique and critical ability. Transfer: CSU: C2, UC.

**ENGL 162 CREATIVE WRITING II**

*Units (Grade Option) 3; Class Hours: Minimum of 48 lecture hours/semester; Prerequisite(s): ENGL 100. Description:* The craft of writing

poetry. Designed to help beginning writers to find a way to begin and to encourage journeyman writers to continue. Emphasis falls upon writing technique and critical ability. Transfer: CSU, UC.

**ENGL 164 CREATIVE NON-FICTION**

Units (Grade Option) 3; Class Hours: Minimum of 48 lecture hours/semester; Prerequisite(s): ENGL 100. **Description:** The craft of writing the non-fiction genres, such as memoir, travel literature, biography, autobiography, and journal. Discussion and critiques of works by established authors. Workshop of students' own writing. Guidelines for submission for publication. Transfer: CSU: C2.

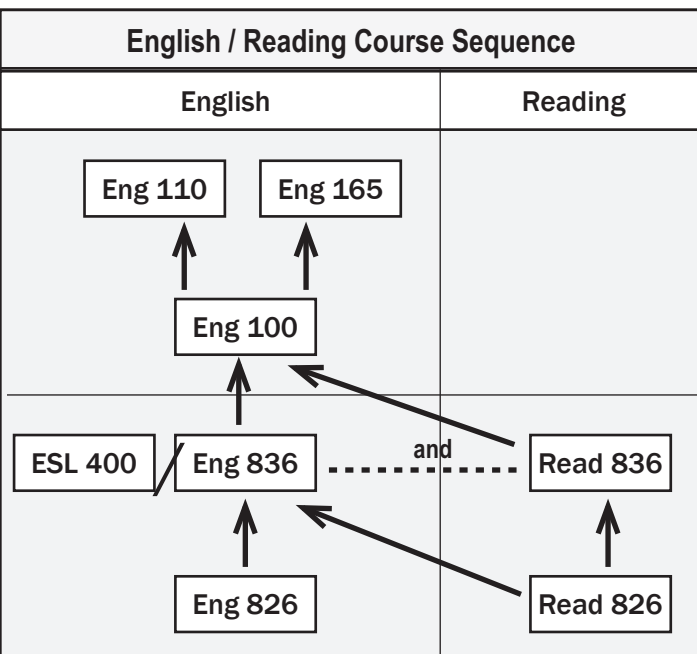
**ENGL 165 ADVANCED COMPOSITION**

Units 3; Class Hours: Minimum of 48 lecture/16 by arrangement lab hours/semester; Prerequisite(s): ENGL 100. **Description:** This is an advanced course in non-fiction writing. Students are taught to read and think critically and to write nuanced arguments. Transfer: CSU: A3, UC. (IGETC: 1B)

**ENGL 200 INTRODUCTION TO LINGUISTICS: A SURVEY OF LANGUAGE**

Units 3; Class Hours: Minimum of 48 lecture/16 by arrangement lab hours/semester; Recommended: Eligibility for READ 836, and ENGL 836 or ESL 400; Prerequisite(s): None. **Description:** The origin and development of spoken and written languages, language acquisition, and the evolution of language are studied in this course. The basics of linguistics including systems of phonetics and phonology, semantics, morphology and syntax are also studied. There is also a strong focus on the grammar and sentence structure of standard written English. Transfer: CSU: DSI, UC. (IGETC 4)

**ENGL 400 COMPOSITION FOR NON-NATIVE SPEAKERS (Replaced by ESL 400)**



**ENGL 804 READING AND WRITING**

Units 1-4; Class Hours: Minimum of 8-32 lecture/24-96 lab hours/semester; Basic Skills Level: Open Curriculum; Prerequisite(s): None. **Description:** This course is designed to increase reading and writing skills through the reading of non-fiction and short fiction, development of vocabulary, and writing of paragraphs, presented in a variable unit, self-paced instructional mode. Units do not apply toward AA/AS degree. May be repeated for credit up to 4 units.

**ENGL 826 BASIC READING/COMPOSITION**

Units 4; Class Hours: Minimum of 64 lecture/16 by arrangement lab hours/semester; Basic Skills Level: Open Curriculum; Prerequisite(s): None; Corequisite(s): Concurrent enrollment in READ 826. **Description:** This course improves reading and writing skills through reading non-fiction and short fiction, developing vocabulary, and writing paragraphs. Units do not apply toward AA/AS degree.

**ENGL 836 WRITING DEVELOPMENT**

Units 4; Class Hours: Minimum of 64 lecture/16 by arrangement lab hours/semester; Prerequisite(s): Successful completion of ENGL 826 and READ 826, or Eligibility for READ 836, and ENGL 836 or ESL 400 based on scores on approved Cañada College assessment instruments (placement tests with multiple measures assessment), or \*successful completion of coursework at other colleges/universities equivalent to ENGL 826 and READ 826. **Description:** Learn to plan, organize, compose and revise a college-level essay. Write text-based essays, and develop the ability to express ideas logically with detailed support. Review mechanics, grammar, and MLA documentation style. Develop the composition skills necessary to meet standards for entrance to English 100. Successful completion of BOTH English 836 and Reading 836 is required for entrance into English 100.

\*Use the Office of Matriculation to approve course work completed at other colleges/universities to meet the prerequisite.

**ENGL 875 GRAMMAR REVIEW**

Units 3; Class Hours: Minimum of 48 lecture hours/semester; Basic Skills Level: Open Curriculum; Prerequisite(s): None. **Description:** While primarily intended as a semester-length "brush-up" course, English 875 also serves the remedial needs of students whose English Placement Test indicates a need for stringent review. Grammar, punctuation, vocabulary, and diction are included in the course. Units do not apply toward AA/AS degree.

**ENGL 890 CONTENT-BASED PROGRAM: STUDY SKILLS**

Units (Grade Option) 3; Class Hours: Minimum of 48 lecture hours/semester; Basic Skills Level: Open Curriculum; Prerequisite(s): None. **Description:** This course, part of the Content-Based Program, focuses on developing study skills and applying them in mainstream content courses. It is designed for native and non-native English-speaking students. Completion of ESL or E.I. 824 with a grade of "C" or better or placement by College ESL Placement Test or a score of 8.0 or better on College Reading Test is recommended. Units do not apply toward AA/AS degree.

## LITERATURE

### LIT. 101 MODERN LITERATURE

*Units (Grade Option) 3; Class Hours: Minimum of 48 lecture hours/semester; Recommended: Eligibility for ENGL 110; Prerequisite(s): None. Description:* Study of selected fiction, poetry, and drama of the 20th Century. Lectures, discussions, related reading, writing of critical papers. Transfer: CSU: C2, UC. (IGETC: 3B)

### LIT. 111 THE SHORT STORY

*Units (Grade Option) 3; Class Hours: Minimum of 48 lecture hours/semester; Prerequisite(s): ENGL 110. Description:* Designed to help the student understand short stories, perhaps the most popular form of prose fiction today. Careful analysis of short stories as a means of developing in the student a critical method for the evaluation of the short story form. Transfer: CSU: C2, UC. (IGETC: 3B)

### LIT. 142 GREAT PLAYS: CLASSICAL AND RENAISSANCE (Also DRAM 142)

*Units (Grade Option) 3; Class Hours: Minimum of 48 lecture hours/semester; Prerequisite(s): ENGL 100. Description:* Study of the greatest plays and playwrights from classical Greece through the Elizabethan era in England. Principles underlying dramatic literature in each period are related to dominant social, intellectual, and artistic forces, measuring the student's own beliefs and values against those of characters of other times and places. Play attendance may be required. Transfer: CSU: C1, C2, UC. (IGETC: 3B)

### LIT. 143 GREAT PLAYS: MODERN ERA (Also DRAM 143)

*Units (Grade Option) 3; Class Hours: Minimum of 48 lecture hours/semester; Prerequisite(s): ENGL 100. Description:* Study of the great plays and playwrights from the 17th century to the present. Principles underlying dramatic literature in each period are related to dominant social, intellectual and artistic forces, measuring the student's own beliefs and values against those of characters of other times and places. Play attendance may be required. Transfer: CSU: C1, C2, UC. (IGETC: 3B)

### LIT. 151 INTRODUCTION TO SHAKESPEARE I (Also DRAM 151)

*Units (Grade Option) 3; Class Hours: Minimum of 48 lecture hours/semester; Prerequisite(s): ENGL 100. Description:* Study of representative plays of Shakespeare. A chronological sequence of plays, from each of the phases of Shakespeare's creativity, is covered. Some discussion of Shakespeare's life and times and some discussion of his poetry are included, although the plays are the main focus of the course. Transfer: CSU: C2, UC. (IGETC: 3B)

### LIT. 152 INTRODUCTION TO SHAKESPEARE II (Also DRAM 152)

*Units (Grade Option) 3; Class Hours: Minimum of 48 lecture hours/semester; Prerequisite(s): ENGL 100. Description:* Study of selected plays of Shakespeare. Some discussion of Shakespeare's life and times and some discussion of his poetry is included, although his plays are the main focus of the course. Plays covered are different than those in LIT. 151 and are not selected on a chronological basis. Transfer: CSU: C2, UC. (IGETC: 3B)

### LIT. 200 MAJOR FIGURES IN AMERICAN LITERATURE

*Units (Grade Option) 3; Class Hours: Minimum of 48 lecture hours/semester; Prerequisite(s): ENGL 100. Description:* Study of the writings of some of the major figures in American literature. Intensive reading, lectures, discussion, papers. Transfer: CSU: C2, UC. (IGETC: 3B)

### LIT. 205 NEW VOICES IN WORLD LITERATURE

*Units 3; Class Hours: Minimum of 48 lecture/16 by arrangement lab hours/semester; Recommended: Eligibility for READ 836, and ENGL 836 or ESL 400; Prerequisite(s): None. Description:* Students read, discuss, and write about contemporary work from many world cultures. Work includes fiction, poetry, drama, film, and performance arts from Native American, Asian, Pacific Islander, African American, Latino, Middle Eastern and other world cultures. Transfer: CSU: C2, UC. (IGETC: 3B)

### LIT. 231 SURVEY OF ENGLISH LITERATURE I (CAN ENGL 8)

*Units (Grade Option) 3; Class Hours: Minimum of 48 lecture hours/semester; Prerequisite(s): ENGL 110. Description:* Study of the typical works of major English writers from Chaucer to the end of the 18th Century. Discussions, lectures, writing of critical essays. Transfer: CSU: C2, UC. (IGETC: 3B)

### LIT. 232 SURVEY OF ENGLISH LITERATURE II (CAN ENGL 10)

*Units (Grade Option) 3; Class Hours: Minimum of 48 lecture hours/semester; Prerequisite(s): ENGL 110. Description:* Study of the typical works of major English writers from the Restoration to the Victorian period. Discussions, lectures, writing of critical essays. Transfer: CSU: C2, UC. (IGETC: 3B)

### LIT. 233 SURVEY OF ENGLISH LITERATURE III

*Units (Grade Option) 3; Class Hours: Minimum of 48 lecture hours/semester; Prerequisite(s): ENGL 110. Description:* Study of major English writers of the 20th century, including Woolf, Eliot, Yeats, and Huxley. Discussions, lectures, writing of critical essays. Transfer: CSU: C2, UC. (IGETC: 3B)

### LIT. 251 WOMEN IN LITERATURE

*Units (Grade Option) 3; Class Hours: Minimum of 48 lecture hours/semester; Recommended: Eligibility for ENGL 110; Prerequisite(s): None. Description:* This course explores women writers' views of women and men in short stories, novels, poetry, drama, and film. The class discusses literature beginning with the ancient Greeks up to contemporary feminist writers, comparing men and women writers on similar themes. Transfer: CSU: C2, UC. (IGETC: 3B)

### LIT. 252 WOMEN WRITERS: MULTICULTURAL PERSPECTIVES

*Units (Grade Option) 3; Class Hours: Minimum of 48 lecture hours/semester; Prerequisite(s): ENGL 100. Description:* This course presents an overview of the literary history of women writers, selecting from, in different semesters, African American, Native American, Asian American, and Hispanic groups, and then concentrates in depth on selected writers and works. The focus is both on the written contributions as well as the social and political situations of American ethnic women writers. (Fulfills Associate degree Ethnic Studies requirement.) Transfer: CSU: C2, UC. (IGETC: 3B)

**LIT. 266 BLACK LITERATURE**

*Units (Grade Option) 3; Class Hours: Minimum of 48 lecture/16 by arrangement lab hours/semester; Recommended: Eligibility for READ 836, and ENGL 836 or ESL 400; Prerequisite(s): None. Description:* A survey of the influence of African Americans on American history through an examination of fiction and non-fiction. The literature sampled spans the history of African-Americans in America since 1619; explores the development of this ethnic group; analyzes the significance of African-Americans to the formation of this nation; and includes: autobiographical works, poetry, short stories, folk tales, novellas, films, music, and art. (Fulfills Associate degree Ethnic Studies requirement.) Transfer: CSU: C2, UC. (IGETC: 3B)

**LIT. 301 MASTERPIECES OF CLASSICAL AND EUROPEAN LITERATURE I**

*Units (Grade Option) 3; Class Hours: Minimum of 48 lecture hours/semester; Recommended: Eligibility for READ 420 and ENGL 100; Prerequisite(s): None. Description:* Selections from the literature of ancient Greece through Renaissance Europe are read, analyzed, discussed and enjoyed. Group work, oral reports, papers. Transfer: CSU: C2, UC. (IGETC: 3B)

**LIT. 370 READINGS IN LITERATURE OF THE LATINO IN THE UNITED STATES**

*Units 3; Class Hours: Minimum of 48 lecture hours/semester; Prerequisite(s): ENGL 100. Description:* A survey in English of literary contributions of Latino writers in the United States, this course studies the historical, sociopolitical, and cultural concerns of Latinos in the United States as these appear in novels, short stories, and poetry. These works provide a glimpse into the struggle for self-identity and self-determination and into the forces that interact in the course of this struggle and give the reader a glance into the magical world of different perspectives of reality. LIT. 370 requires writing of essays dealing with the materials covered. (Fulfills Associate degree Ethnic Studies requirement.) Transfer: CSU: C2, UC. (IGETC: 3B)

**LIT. 371 MEXICAN-AMERICAN LITERATURE**

*Units (Grade Option) 3; Class Hours: Minimum of 48 lecture hours/semester; Recommended: Eligibility for READ 836, and ENGL 836 or ESL 400; Prerequisite(s): None. Description:* Study of literature written in English by Mexican-Americans. Emphasis is placed upon contemporary stories, poems, and essays. (Fulfills Associate degree Ethnic Studies requirement.) Transfer: CSU: C2, UC. (IGETC: 3B)

**LIT. 372 MYTH AND FOLKLORE OF LA RAZA**

*Units (Grade Option) 3; Class Hours: Minimum of 48 lecture hours/semester; Recommended: Eligibility for READ 836, and ENGL 836 or ESL 400; Prerequisite(s): None. Description:* Study of the folk literature of Mexican and Mexican-American peoples, with special emphasis on their effect on contemporary values. (Fulfills Associate degree Ethnic Studies requirement.) Transfer: CSU: C2, UC. (IGETC: 3B)

**LIT. 373 LATIN AMERICAN LITERATURE IN TRANSLATION**

*Units 3; Class Hours: Minimum of 48 lecture hours/semester; Prerequisite(s): ENGL 100. Description:* Innovative and influential, Latin American literature vividly portrays life and mores of our neighboring

countries to the south. This course samples greater and lesser-known works, revealing the literary trends and characteristics that have earned world recognition. The literature provides the background for an understanding of the cultural experiences and concerns of the Latino in this country. Material in a variety of genres is presented. (Fulfills Associate degree Ethnic Studies requirement.) Transfer: CSU: C2, UC. (IGETC: 3B)

**LIT. 375 NATIVE-AMERICAN LITERATURE**

*Units (Grade Option) 3; Class Hours: Minimum of 48 lecture hours/semester; Prerequisite(s): ENGL 100. Description:* A study of the great epics and myths, the lyrical and narrative poetry, the oratory, and the contemporary works in prose and poetry of the American Indian from pre-Conquest times to the present. (Fulfills Associate degree Ethnic Studies requirement.) Transfer: CSU: C2, UC. (IGETC: 3B)

**LIT. 441 FILM STUDY AND APPRECIATION I**

*Units (Grade Option) 3; Class Hours: Minimum of 48 lecture hours/semester; Recommended: Eligibility for READ 836, and ENGL 836 or ESL 400; Prerequisite(s): None. Description:* Study of significant motion pictures from the early 1900s to the 1940s as an art form with emphasis on structure of film and the technique of film making. Screening of films followed by discussion and/or written analysis relating to appreciation and understanding of film as a communicative medium. Transfer: CSU: C1, C2, UC. (IGETC: 3A)

**LIT. 442 FILM STUDY AND APPRECIATION II**

*Units (Grade Option) 3; Class Hours: Minimum of 48 lecture hours/semester; Recommended: Eligibility for READ 836, and ENGL 836 or ESL 400; Prerequisite(s): None. Description:* Study of selected representative films (1940s to the present) from all over the world. Emphasis is on the rhetoric of cinema directors' styles, and history of film. Objective: to understand film as an art and as a communicative medium. Transfer: CSU: C1, C2, UC. (IGETC: 3A)

**LIT. 445 INTRODUCTION TO FILM STUDIES**

*Units (Grade Option) 3; Class Hours: Minimum of 48 lecture hours/semester; Prerequisite(s): ENGL 100. Description:* Introduction to Film Studies acquaints students with the major techniques and genres employed by national and international filmmakers. The language of film is studied and applied to a variety of classic narrative films. Transfer: CSU: C2.

**READING****READ 420 CRITICAL AND EFFECTIVE READING**

*Units (Grade Option) 3; Class Hours: Minimum of 48 lecture hours/semester; Basic Skills Level: Open Curriculum; Prerequisite(s): READ 836 or eligibility for 400-level reading courses as indicated by the reading placement test or other measures. Description:* Students are led to increase competence in analytical and critical reading skills with difficult college texts, to increase their reading rate flexibility, to employ college study techniques, and to read for research. Transfer: CSU.

**READ 425 SPEED READING**

*Units (Grade Option) 1.5; Class Hours: Minimum of 24 lecture/16 lab hours/semester; Basic Skills Level: Open Curriculum; Prerequisite(s): READ 836 or eligibility for 400-level reading courses as indicated by the reading placement test or other measures.* **Description:** Designed to increase reading speed and comprehension of college-level materials. Emphasis on learning rapid reading techniques, gaining flexibility in adjusting reading speed to suit purpose, overcoming regression, recognizing and using basic writing structures and literary elements, and mastering speed study techniques. Transfer: CSU.

**READ 826 READING IMPROVEMENT**

*Units (Grade Option) 3; Class Hours: Minimum of 80 lecture/16 by arrangement lab hours/semester; Basic Skills Level: Open Curriculum; Prerequisite(s): None.* **Description:** By means of lecture, this course teaches efficient reading strategies and study techniques to improve word analysis, vocabulary, reading comprehension and study skills. Recommendation via College Placement Test. May be repeated once for credit. Units do not apply toward AA/AS degree.

**READ 836 ACADEMIC READING STRATEGIES**

*Units (Grade Option) 3; Class Hours: Minimum of 48 lecture/16 by arrangement lab hours/semester; Prerequisite(s): READ 826 or ESL 864, or eligibility for READ 836 on approved college Reading Placement Test and other measures as necessary.* **Description:** Learn efficient reading strategies to improve vocabulary, comprehension, reader reaction and study-techniques to prepare for college courses across the disciplines. Reading rate flexibility is introduced as well. The natural reading and writing connection is emphasized in assignments. Successful completion of BOTH READ 836 and ENGL 836 or ESL 400 is required for entrance into ENGL 100.

**ENGLISH AS A SECOND LANGUAGE****(INGLES COMO SEGUNDO IDIOMA)**

An intensive language development program that provides English as a Second Language instruction for students whose native language is not English. Students who wish to enroll in the program should have a knowledge of basic English equivalent to at least one year of previous study in programs such as Adult Basic Education and language schools, or previous language instruction in their native country. The ESL placement test is administered prior to the beginning of each semester in order to assess English ability for correct placement. For more information, students should contact the English as a Second Language Office, Building 3, Room 205, or call 306-3412.

Un programa intensivo para el desarrollo del idioma que provee instrucción de Inglés como segundo idioma a los estudiantes cuyo idioma no es el Inglés. El estudiante que desee inscribirse en el programa, deberá tener un conocimiento básico del Inglés equivalente a por lo menos un año de estudio previo en un programa de Inglés como: Educación Básica para adultos, instituto de idiomas, o estudios previos en el país de origen. El examen de aptitud de Inglés como Segundo Idioma es administrado antes del comienzo de cada semestre. El resultado del examen colocará al estudiante en el nivel apropiado.

Para más información pueden dirigirse a la oficina de Inglés como Segundo Idioma, localizada en el edificio 3, oficina 205, o pueden llamar al 306-3412.

**ESL 400 COMPOSITION FOR NON-NATIVE SPEAKERS (Replaced ENGL 400)**

*Units 5; Class Hours: Minimum of 80 lecture/16 by arrangement lab hours/semester; Prerequisite(s): ESL 844 or appropriate skill level as indicated by placement test score and other measures as needed.*

**Description:** In this course, students learn to plan, organize, compose, and revise expository essays based on the analysis of complex pieces of writing, both fiction and nonfiction. In addition, students review and follow the conventions of standard written English including punctuation, mechanics, grammar and sentence structure. Successful completion of BOTH ESL 400 AND READ 836 is required for entrance into ENGL 100. You may choose to enroll in ESL 400 and READ 836 concurrently. Transfer: CSU, UC.

**ESL 800 ESL PREPARATORY COURSE**

*Units 4; Class Hours: Minimum of 64 lecture hours/semester; Basic Skills Level: Open Curriculum.* **Description:** Beginning-level English-language instruction for speakers of other languages. Developmental practice in all language skills: grammar, vocabulary, listening, speaking, reading, and writing. Preparation for ESL Level I courses. One year of previous English language study, ESL 807 or placement by College ESL Placement Test is recommended. Units do not apply toward AA/AS degree.

**ESL 805 ADVANCED GRAMMAR REVIEW**

*Units 3; Class Hours: Minimum of 48 lecture hours/semester; Prerequisite(s): ESL 804 or 824, or placement by College ESL Placement Test.* **Description:** This course is primarily for students whose native language is other than English. Students review, practice and synthesize the grammar and sentence structure of standard written English in context. Selections from fiction and non-fiction are used as a basis for discussion and analysis of language. In addition, students react to the readings in writing and focus on editing what they have written. Special attention is paid to a review of verb tenses as well as basic and advanced sentence structure. Units do not apply toward AA/AS degree.

**ESL 807 ESL BASIC INTEGRATED SKILLS**

*Units (Grade Option) 4; Class Hours: Minimum of 64 lecture hours/semester; Basic Skills Level: Open Curriculum; Prerequisite(s): None.*

**Description:** Introductory level English language instruction for speakers of other languages. Development of all language skills: grammar, vocabulary, listening, speaking, reading, and writing. Preparation for ESL 800 course. Focus on language related survival/life skills, as needed for the community-based ESL programs. Units do not apply toward AA/AS degree.

**ESL 821 GRAMMAR I**

*Units 4; Class Hours: Minimum of 64 lecture hours/semester; Prerequisite(s): ESL 800, or placement by College ESL Placement Test.*

**Description:** Introduces students to grammar skills at the high-beginning level. Special attention is paid to understanding grammar

rules in context and applying these rules to student writing. Units do not apply toward AA/AS degree.

**ESL 822 GRAMMAR II**

*Units 4; Class Hours: Minimum of 64 lecture hours/semester; Prerequisite(s): ESL 801 or 821, or placement by College ESL Placement Test. Description:* Introduces students to grammar skills at the low-intermediate level. Special attention is paid to understanding grammar rules in context and applying these rules to student writing. Units do not apply toward AA/AS degree.

**ESL 823 GRAMMAR III**

*Units 4; Class Hours: Minimum of 64 lecture hours/semester; Prerequisite(s): ESL 802 or 822, or placement by College ESL Placement Test. Description:* Introduces students to grammar skills at the high-intermediate level. Special attention is paid to understanding grammar rules in context and applying these rules to student writing. Units do not apply toward AA/AS degree.

**ESL 824 GRAMMAR IV**

*Units 4; Class Hours: Minimum of 64 lecture hours/semester; Prerequisite(s): ESL 803 or 823, or placement by College ESL Placement Test. Description:* Introduces students to grammar skills at the advanced level. Special attention is paid to understanding grammar rules in context and applying these rules to student writing. Units do not apply toward AA/AS degree.

**English As a Second Language  
Class Levels**

**ESL Off Campus**

**Community Based English Tutoring (CBET) Program**

ESL 807 ESL Basic Integrated Skills	4.0 units
ESL 800 ESL Preparatory Course	4.0
ESL 880 Family Literacy	4.0
ESL 821 Grammar 1	4.0
ESL 831 Listening/Speaking 1	4.0
ESL 841 Writing 1	4.0
ESL 861 Reading 1	4.0

**ESL On Campus**

**Level 1**

ESL 861 Reading I	4.0 units
ESL 841 Writing I	4.0
ESL 831 Listening/Speaking I	4.0
ESL 821 Grammar I	4.0

**Level 2**

ESL 862 Reading II	4.0 units
ESL 842 Writing II	4.0
ESL 832 Listening/Speaking II	4.0
ESL 822 Grammar II	4.0

**Level 3**

ESL 863 Reading III	4.0 units
ESL 843 Writing III	4.0
ESL 833 Listening/Speaking III	4.0
ESL 823 Grammar III	4.0

**Level 4**

ESL 864 Reading IV	4.0 units
ESL 844 Writing IV	4.0
ESL 834 Listening/Speaking IV	4.0
ESL 824 Grammar IV	4.0

**Academic Competency in English (ACE) Language Certificate\***

**Transitional Level**

ESL 400** (Composition for Non Native Speakers)	5.0**
Reading 836 Academic Reading Strategies	3.0

\* Students who have completed all 4 classes (Grammar, Listening/Speaking, Reading and Writing) at level IV with a grade of "C" or better are eligible for the Academic Competency in English (ACE) Language Certificate.

\*\* Students successfully completing ESL 844 AND ESL 864 with a grade of "C" or better are recommended to take ESL 400.

**ESL 831 LISTENING/SPEAKING I**

*Units 4; Class Hours: Minimum of 64 lecture hours/semester; Prerequisite(s): ESL 800 or placement by College ESL Placement Test. Description:* Introduces students to academic listening/speaking skills at the high-beginning level. Attention is paid to pronunciation and use of idiomatic expressions, plus practice in English conversation. Units do not apply toward AA/AS degree.

**ESL 832 LISTENING/SPEAKING II**

*Units 4; Class Hours: Minimum of 64 lecture hours/semester; Prerequisite(s): ESL 811 or 831, or placement by College ESL Placement Test. Description:* Introduces students to academic listening/speaking skills at the low-intermediate level. Units do not apply toward AA/AS degree.

**ESL 833 LISTENING/SPEAKING III**

*Units 4; Class Hours: Minimum of 64 lecture hours/semester; Prerequisite(s): ESL 812 or 832, or placement by College ESL Placement Test. Description:* Introduces students to academic listening/speaking skills at the high-intermediate level. Units do not apply toward AA/AS degree.

**ESL 834 LISTENING/SPEAKING IV**

*Units 4; Class Hours: Minimum of 64 lecture hours/semester; Prerequisite(s): ESL 813 or 833, or placement by College ESL Placement Test. Description:* Introduces students to academic listening/speaking skills at the advanced level. Units do not apply toward AA/AS degree.

**ESL 836 ENGLISH PRONUNCIATION**

*Units 2; Class Hours: Minimum of 32 lecture/16 by arrangement lab hours/semester; Prerequisite(s): None. Description:* This is a course for students whose native language is other than English. It is designed to ear train participants to American intonation and pronunciation. Units do not apply toward AA/AS degree.

**ESL 837 INTERMEDIATE VOCABULARY DEVELOPMENT**

*Units 2; Class Hours: Minimum of 32 lecture/16 by arrangement lab hours/semester; Prerequisite(s): ESL 801 or 811 or 821 or 831 or 841 or 851 or 861. Description:* In this course students learn to use word analysis skills to expand vocabulary, as well as to use strategies for understanding new words from contexts. There is additional attention to analysis of word parts and to expanding vocabulary via domains and concepts. Units do not apply toward AA/AS degree. May be repeated three times for credit.

**ESL 841 WRITING I**

*Units 4; Class Hours: Minimum of 64 lecture/16 by arrangement lab hours/semester; Prerequisite(s): ESL 800 or placement by College ESL Placement Test. Description:* Introduces students to high beginning academic writing in response to readings. Special attention is paid to the grammar and mechanics of written academic English. Comprehension and vocabulary development are also stressed. Units do not apply toward AA/AS degree.

**ESL 842 WRITING II**

*Units 4; Class Hours: Minimum of 64 lecture/16 by arrangement lab hours/semester; Prerequisite(s): ESL 841 or 851, or placement by College ESL Placement Test. Description:* Introduces students to low intermediate practice in writing in response to readings in English. Special attention is paid to the grammar and mechanics of written academic English. Comprehension and vocabulary development are also stressed. Units do not apply toward AA/AS degree.

**ESL 843 WRITING III**

*Units 4; Class Hours: Minimum of 64 lecture/16 by arrangement lab hours/semester; Prerequisite(s): ESL 842 or 852, or placement by College ESL Placement Test. Description:* Introduces students to writing in response to readings at the high-intermediate level. Special attention is paid to comprehension, the grammar and mechanics of written academic English, vocabulary development and paragraph writing. Units do not apply toward AA/AS degree.

**ESL 844 WRITING IV**

*Units 4; Class Hours: Minimum of 64 lecture/16 by arrangement lab hours/semester; Prerequisite(s): ESL 843 or 853, or placement by College ESL Placement Test. Description:* Introduces students to advanced academic writing in response to readings. Special attention is paid to comprehension, vocabulary development, paragraph and essay writing, grammar and mechanics of written academic English. The course is designed to prepare students for college-entry courses. Units do not apply toward AA/AS degree.

**ESL 861 READING I**

*Units 4; Class Hours: Minimum of 64 lecture/16 by arrangement lab hours/semester; Prerequisite(s): ESL 800 or placement by College ESL Placement Test. Description:* Introduces students to advanced beginning practice in reading English. Special attention is paid to reading comprehension. Vocabulary development and the mechanics of academic English are also stressed. Units do not apply toward AA/AS degree.

**ESL 862 READING II**

*Units 4; Class Hours: Minimum of 64 lecture/16 by arrangement lab hours/semester; Prerequisite(s): ESL 851 or 861, or placement by College ESL Placement Test. Description:* Introduces students to low intermediate practice in reading in English. Special attention is paid to vocabulary and comprehension in academic English. Units do not apply toward AA/AS degree.

**ESL 863 READING III**

*Units 4; Class Hours: Minimum of 64 lecture/16 by arrangement lab hours/semester; Prerequisite(s): ESL 852 or 862, or placement by College ESL Placement Test. Description:* Introduces students to high intermediate practice in reading in English. Special attention is paid to vocabulary and reading comprehension in academic English. Units do not apply toward AA/AS degree.

**ESL 864 READING IV**

*Units 4; Class Hours: Minimum of 64 lecture/16 by arrangement lab hours/semester; Prerequisite(s): ESL 853 or 863, or placement by College ESL Placement Test. Description:* Introduces students to advanced practice in reading academic English. Special attention is paid to advanced vocabulary and comprehension of original authentic readings. The course is designed to prepare students for college-level entry courses. Units do not apply toward AA/AS degree.

**ETHNIC STUDIES**

(See individual courses)

**ANTH 360 Indians of North America**

**ANTH 370 Olmec, Maya, Aztec People and Cultures of Mexico and Central America**

**ECON 230 Economic History of the United States**

**HIST 242 African-American History**

**HIST 245 Race, Ethnicity and Immigration in the U.S.**

**HIST 246 History of Latinos in the U.S.**

**HIST 247 Women in U.S. History**

**HIST 422 Modern Latin America**

**HIST 451 Far Eastern Civilization and Heritage I**

**HIST 452 Far Eastern Civilization and Heritage II**

**INTD 320 Asian Art for Interiors: China and Korea**

**INTD 321 Asian Art for Interiors: Japan and Southeast Asia**

**INTD 322 Asian Art for Interiors: Japan, India, and the Philippines**

**LIT. 252 Women Writers: Multicultural Perspectives**

**LIT. 266 Black Literature**

**LIT. 370 Readings in Literature of the Latino in the United States**

**LIT. 371 Mexican-American Literature**

**LIT. 372 Myth and Folklore of La Raza**

**LIT. 373 Latin American Literature in Translation**

**LIT. 375 Native-American Literature**

**PSYC 106 Psychology of Prejudice and Discrimination**

**SOCI 141 Ethnicity and Race in Society**

**SPAN 161 Readings in Spanish Literature I**

**SPAN 162 Readings in Spanish Literature II**