

ENGR 226 Printed Circuit Board Design (3)

1½ hours lecture - 4½ hours laboratory

Note: Cross listed as as DT 226**Transfer acceptability:** CSU

Instruction in printed circuit board design generally required for entry level positions in the electronic industry. Includes artwork and complete documentation for analog and digital multi-layer, flexible and high-speed boards using current IPC standards. Drafting will be performed on the computer using high-end printed circuit board software.

ENGR 227 Advanced Printed Circuit Board Design (3)

1½ hours lecture - 4½ hours laboratory

Prerequisite: A minimum grade of 'C' in DT/ENGR 226**Note:** Cross listed as as DT 227**Transfer acceptability:** CSU

Advanced problems and instruction in printed circuit board design generally required for entry-level position in the electronic industry. Special emphasis will be placed on advanced applications including surface mount technology. Includes artwork and complete documentation for analog and digital multi-layer, flexible and high-speed boards using current IPC standards. Drafting will be performed on the computer using AutoCAD and PADS software.

ENGR 235 Engineering Mechanics – Statics (3)

3 hours lecture

Prerequisite: A minimum grade of 'C' in PHYS 230 and MATH 140**Transfer acceptability:** CSU; UC

Force systems and equilibrium conditions. Engineering problems covering structures, machines, distributed forces, and friction. Graphical and algebraic solutions, and vectorial analysis.

ENGR 236 Engineering Mechanics – Dynamics (3)

3 hours lecture

Prerequisite: A minimum grade of 'C' in ENGR 235**Transfer acceptability:** CSU; UC

Fundamental principles of bodies in motion; kinetics and kinematics of particles; system of particles; central force; work and energy; linear and angular momentum; moments and products of inertia; vibrations and time response; engineering applications.

ENGR 245 Properties of Materials (4)

3 hours lecture - 3 hours laboratory

Prerequisite: A minimum grade of 'C' in CHEM 110 and 110L**Transfer acceptability:** CSU, UC

Physical properties of engineering materials. Atomic, molecular, and crystal lattice characteristics. Relations between these and mechanical, thermal, electrical, corrosion, and radiation properties. Metallic, ceramic, polymer, and agglomerate materials. Selection, treatment, and use of materials.

ENGR 295 Directed Study in Engineering (1, 2, 3)

3, 6, or 9 hours laboratory

Prerequisite: Approval of project or research by department chairperson**Transfer acceptability:** CSU

Designed for the student who has demonstrated a proficiency in engineering subjects and the initiative to work independently on a particular sustained project which does not fit into the context of regularly scheduled classes.

English (ENG)

Contact the English Department for further information.

(760) 744-1150, ext. 2392

Office: P-2

Associate in Arts Degrees -

AA Degree requirements are listed in Section 6 (green pages).

• English

Associate in Arts for Transfer -

AA-T, IGETC, and CSUGE requirements are listed in Section 6 (green pages).

• English

PROGRAM OF STUDY**English**

The discipline of English focuses on the English language and literatures in English. It prepares students for transfer as an English major to a CSU or other four-year university and provides the background for students to succeed in diverse fields. For specific transfer requirements, the students should consult an academic counselor or the catalog for the school to which he or she wishes to transfer.

Pursuant to SBI440, the following completion requirements must be met:

- (1) Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
 - (A) The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education – Breadth Requirements.
 - (B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
- (2) Obtainment of a minimum grade point average of 2.0. ADTs also require that students must earn a C or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is not an acceptable grade for courses in the major.

AA-T TRANSFER MAJOR**Program Requirements (Select one option)****Option I**

ENG 202	Critical Thinking and Composition and	4
ENG 205	Introduction to Literature	3

Option II

ENG 203	Critical Thinking and Composition Through Literature	4
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List A (Select two courses)

ENG 210	Survey of British Literature I	3
ENG 211	Survey of British Literature II	3
ENG 220	Survey of World Literature I	3
ENG 221	Survey of World Literature II	3
ENG 225	Literature of the United States I	3
ENG 226	Literature of the United States II	3

List B (Select courses based on Option I or II completed above)**For Option I, select one course****For Option II, select two courses**

Any course(s) from List A not already used and/or select from the list below.

ENG 135	Introduction to Creative Writing	4
ENG 215	Introduction to the British Novel	3
ENG 230	Introduction to the American Novel	3
ENG 240	Introduction to Classical Mythology	3
ENG 245	Survey of Biblical Literature	3
ENG 250	Introduction to Shakespeare	3
ENG 255	Literature and Ideas	3
ENG 260	Literature through Film	3
ENG 265	Science Fiction	3
ENG 270	Popular Literature	3
ENG 280	Women and Literature	3
ENG 290	Comic Books as Literature	3

List C (Select one course)

Any course from List A or B not already used or select from the list below.

ENG 136	Intermediate Creative Writing	4
ENG 137	The Literary Magazine: History and Production	4
ENG 150	Introduction to Linguistics	3
HUM 100	Introduction to Humanities I	3

TOTAL UNITS

19 – 21

English

Focuses on the English language and literatures in English. Provides the background for students to succeed in diverse fields, such as advertising and marketing, teaching, journalism and telecommunications, law, technical writing, and business administration. Prepares students for upper division course work in English. For specific transfer requirements, the student should consult an academic counselor or the catalog for the school to which he or she wishes to transfer.

AA DEGREE MAJOR

Program Requirements	Units
ENG 205 and Introduction to Literature	3
ENG 202 or Critical Thinking /Composition	
ENG 203 Critical Thinking/Composition Through Literature	4

Literature Surveys (Select 9 Units) Of these nine units, students must take either a two-semester survey of British literature or a semester each of British and United States literature.

ENG 210	Survey of British Literature I	3
ENG 211	Survey of British Literature II	3
ENG 220	Survey of World Literature I	3
ENG 221	Survey of World Literature II	3
ENG 225	Literature of the United States I	3
ENG 226	Literature of the United States II	3

Elective Courses (Select 2 courses) Any of the above courses not previously taken or pick from the following:

ENG 135	Introduction to Creative Writing	4
ENG 136	Intermediate Creative Writing	4
ENG 137	The Literary Magazine: History/Production	4
ENG 215	Introduction to the British Novel	3
ENG 230	Introduction to the American Novel	3
ENG 240	Introduction to Classical Mythology	3
ENG 245	Survey of Biblical Literature	3
ENG 250	Introduction to Shakespeare	3
ENG 255	Literature and Ideas	3
ENG 260	Literature Through Film	3
ENG 265	Science Fiction	3
ENG 270	Popular Literature	3
ENG 280	Women and Literature	3
ENG 290	Comic Books as Literature	3

TOTAL UNITS 22 - 24

COURSE OFFERINGS

Any student wishing to earn an A.A. degree must complete ENG 100 with a grade of 'C' or better. The student must participate in the English placement process before enrolling in any English or English as a Second Language composition class except ENG 10 and 150. The eligibility will indicate whether the student may enroll in ENG 50 or ENG 100. Students whose first language is not English may find, however, that ESL instruction meets their needs better than immediate enrollment in ENG 10 or 50. Such students may take one or more ESL classes (ESL 101, 102, 103) instead; then by again participating in the English placement process, they may qualify for ENG 50 or ENG 100. Non resident international students may be required to take one or more classes of English as a Second Language. Students should sign up for English assessment as soon as possible because some students may take three or more semesters to finish the competence requirement in English. Please contact the Counseling Department for the English assessment schedule.

Courses numbered under 50 are non-degree courses.

Courses numbered under 100 are not intended for transfer credit.

ENG 10 English Essentials (4)

4 hours lecture

Note: A grade of 'C' or better is required for eligibility for ENG 50

Non-degree Applicable

Offers basic instruction in grammar, usage, mechanics, sentence structure, and paragraph and essay development.

ENG 50 Introductory Composition (4)

4 hours lecture

Recommended preparation: Eligibility for or concurrent enrollment in READ 51

Prerequisite: A minimum grade of 'C' in ENG 10 or eligibility determined through the English placement process

Note: A grade of 'C' or better is required for eligibility for ENG 100

A writing course for the student who wants to develop fundamental essay writing skills, acquire an A.A. degree, or enter a transfer program, but who needs further preparation in composition skills.

ENG 97 English Topics (1-4)

Units awarded in topics courses are dependent upon the number of lecture hours required of the student. Refer to Class Schedule.

Topics in English. See class schedule for specific topic covered. Course title will designate subject covered.

ENG 100 English Composition (4)

4 hours lecture

Prerequisite: A minimum grade of 'C' in ENG 50 or eligibility determined through the English placement process

Note: May not be taken for Pass/No Pass grading

Transfer acceptability: CSU; UC

Practice in expository and argumentative writing based on analytical reading and critical thinking. Topics include methods of invention, organization and development, principles of basic research, and the elements of style.

ENG 135 Introduction to Creative Writing (4)

4 hours lecture

Prerequisite: ENG 50 or Eligibility for ENG 100, as determined through the English placement process

Transfer acceptability: CSU; UC

C-ID ENGL 200

Provides practice, instruction, and analytical research in writing fiction and poetry. Students submit both creative and analytical writing which will be presented for workshop discussion and critique. Lectures present a variety of prose and verse forms.

ENG 136 Intermediate Creative Writing (4)

4 hours lecture

Prerequisite: ENG 50 or Eligibility for ENG 100, as determined through the English placement process

Transfer acceptability: CSU; UC

Provides practice, instruction, and analytical research in writing fiction and poetry. Students submit both creative and analytical writing which will be presented for workshop discussion and critique. Lectures present a variety of prose and verse forms.

ENG 137 The Literary Magazine: History and Production (4)

2 hours lecture - 6 hours laboratory

Recommended preparation: ENG 50 or Eligibility for ENG 100, as determined through the English placement process

Transfer acceptability: CSU

Historical examination of the genre of the literary magazine from the 18th century to the present, with an emphasis on the late 20th century. Also, after selecting and editing material for Palomar College's literary journal, Bravura, students will structure, format, produce, and distribute the magazine.

ENG 150 Introduction to Linguistics (3)

3 hours lecture

Prerequisite: ENG 50 or Eligibility for ENG 100, as determined through the English placement process

Transfer acceptability: CSU; UC

An introduction to the principles and practices of modern language study. Examines the origins and development of language, its social uses and implications, and its structure.

ENG 197 English Topics (1-4)
Units awarded in topics courses are dependent upon the number of lecture hours required of the student. Refer to Class Schedule.

Transfer acceptability: CSU; UC – Credit determined by UC upon review of course syllabus.

Topics in English. See Class Schedule for specific topic offered. Course title will designate subject covered.

ENG 202 Critical Thinking and Composition (4)
4 hours lecture

Prerequisite: A minimum grade of 'C' in ENG 100

Note: May not be taken for Pass/No Pass grading

Transfer acceptability: CSU; UC

C-ID ENGL 105

Provides instruction and practice in methods of critical thinking and formal composition, emphasizing the following: awareness of language and its implications through rhetorical and semiotic analysis based on systematic consideration of language in context; awareness of principles of classical argument in light of the traditions of rational thought. Students will be required to engage in both traditional and current methods of research through the use of information technology.

ENG 203 Critical Thinking and Composition Through Literature (4)
4 hours lecture

Prerequisite: A minimum grade of 'C' in ENG 100

Note: May not be taken for Pass/No Pass grading

Transfer acceptability: CSU; UC

C-ID ENGL 110

Practice in writing essays about literature with emphasis on critical thinking, reading, and writing skills; principles of inductive and deductive reasoning; the relationship of language to logic; analysis, criticism, and advocacy of ideas; methods of research; advanced elements of style and organization.

ENG 205 Introduction to Literature (3)
3 hours lecture

Prerequisite: A minimum grade of 'C' in ENG 100

Transfer acceptability: CSU; UC

C-ID ENGL 120

An introduction to fiction, poetry, drama, and other genres in literary form. Students will read and discuss assigned selections from various literary genres and examine themes, language, forms, techniques, and other strategies that influence the production and reception of literature.

ENG 210 Survey of British Literature I (3)
3 hours lecture

Prerequisite: A minimum grade of 'C' in ENG 50 or eligibility for ENG 100, as determined through the English placement process

Transfer acceptability: CSU; UC

C-ID ENGL 160

A study of the significant texts in British literature from the Middle Ages to the Eighteenth Century; considers a variety of authors, literary genres and trends, as well the historical and cultural contexts of the literary texts.

ENG 211 Survey of British Literature II (3)
3 hours lecture

Prerequisite: A minimum grade of 'C' in ENG 50 or eligibility for ENG 100, as determined through the English placement process

Transfer acceptability: CSU; UC

C-ID ENGL 165

A study of significant texts in British literature from the Romantic period to the present. Considers a variety of authors, literary genres and trends, as well as the historical and cultural contexts of the literary texts.

ENG 215 Introduction to the British Novel (3)
3 hours lecture

Prerequisite: A minimum grade of 'C' in ENG 50 or eligibility for ENG 100, as determined through the English placement process

Transfer acceptability: CSU; UC

A study of the British novel through reading such writers as Aphra Behn, Daniel Defoe, Laurence Sterne, Samuel Richardson, Fanny Burney, Jane Austen, Mary Shelley, Charlotte Bronte, Emily Bronte, Wilkie Collins, Charles Dickens, George Eliot, Thomas Hardy, Joseph Conrad, Virginia Woolf, James Joyce, Jean Rhys, Chinua Achebe, Salman Rushdie.

ENG 220 Survey of World Literature I (3)
3 hours lecture

Prerequisite: A minimum grade of 'C' in ENG 50 or eligibility for ENG 100, as determined through the English placement process

Transfer acceptability: CSU; UC

C-ID ENGL 140

A survey of the major literature of Africa, the Americas, Asia and Europe from ancient times to about 1600. A comparative study of literary themes and expression will be pursued.

ENG 221 Survey of World Literature II (3)
3 hours lecture

Prerequisite: A minimum grade of 'C' in ENG 50 or eligibility for ENG 100, as determined through the English placement process

Transfer acceptability: CSU; UC

C-ID ENGL 145

A survey of the major literatures of Europe, Asia, the Americas, Africa, and Australia from about 1600 to the present. A comparative study of literary themes and influences will be pursued.

ENG 225 Literature of the United States I (3)
3 hours lecture

Prerequisite: A minimum grade of 'C' in ENG 50 or eligibility for ENG 100, as determined through the English placement process

Transfer acceptability: CSU; UC

C-ID ENGL 130

Significant texts written in the territories that would become the United States, from the pre-colonial period to the Civil War; considers a variety of literary genres and trends, with a focus on such issues as the interaction of texts and history, the expansion and politics of the literary canon, and the influence of the cultural contexts in which the literature of the United States is written and interpreted.

ENG 226 Literature of the United States II (3)
3 hours lecture

Prerequisite: A minimum grade of 'C' in ENG 50 or eligibility for ENG 100, as determined through the English placement process

Transfer acceptability: CSU; UC

C-ID ENGL 135

Significant texts written in the United States from the Civil War to the present; considers a variety of literary genres and trends, with a focus on such issues as the interaction of texts and history, the expansion and politics of the literary canon, and the influence of the cultural contexts in which the literature of the United States is written and interpreted.

ENG 230 Introduction to the American Novel (3)
3 hours lecture

Prerequisite: A minimum grade of 'C' in ENG 50 or eligibility for ENG 100, as determined through the English placement process

Transfer acceptability: CSU; UC

A study of the development of the American novel through reading such writers as Nathaniel Hawthorne, Louisa May Alcott, Herman Melville, Mark Twain, Henry James, Elizabeth Stewart Phelps, Kate Chopin, William Faulkner, Ernest Hemingway, Nella Larsen, Bernard Malamud, Zora Neale Hurston, Willa Cather, Ralph Ellison, Thomas Pynchon, Toni Morrison, Maxine Hong Kingston, Louise Erdrich, and James Baldwin.

ENG 240 Introduction to Classical Mythology (3)

3 hours lecture

Prerequisite: A minimum grade of 'C' in ENG 50 or eligibility for ENG 100, as determined through the English placement process**Transfer acceptability:** CSU; UC

A study of the meaning and function of myth in the classical literature of Ancient Greece and Rome. Read translations of representative epic, poetic, and dramatic literature of Hesiod, Homer, Aeschylus, Sophocles, Euripides, Aristophanes, Vergil, and Ovid. An examination of the cultures which helped shape the literature and values with us today.

ENG 245 Survey of Biblical Literature (3)

3 hours lecture

Prerequisite: A minimum grade of 'C' in ENG 50 or eligibility for ENG 100, as determined through the English placement process**Transfer acceptability:** CSU; UC

An introduction to the study of the Bible in English as an anthology of literary types and genres: stories, poetry, proverbs, gospels, parables, epistles, satire, and visionary literature.

ENG 250 Introduction to Shakespeare (3)

3 hours lecture

Prerequisite: A minimum grade of 'C' in ENG 50 or eligibility for ENG 100, as determined through the English placement process**Transfer acceptability:** CSU; UC

Introduction to the life, times, background, poems, and plays of William Shakespeare.

ENG 255 Literature and Ideas (3)

3 hours lecture

Prerequisite: A minimum grade of 'C' in ENG 50 or eligibility for ENG 100, as determined through the English placement process**Transfer acceptability:** CSU; UC

An introduction to selected major philosophical ideas, questions, and attitudes in significant literature of the world, from the ancient world to the present. The course will trace treatment of a thematic idea through literature of particular times and cultures. Recommended for English and Philosophy majors, and for those interested in broadening their background in the humanities.

ENG 260 Literature Through Film (3)

3 hours lecture

Prerequisite: A minimum grade of 'C' in ENG 50 or eligibility for ENG 100, as determined through the English placement process**Transfer acceptability:** CSU; UC

Analysis of the expectations and conventions used in literature -- novels, short stories, dramas -- and how those expectations and conventions are affected when they are translated into film. Critical analysis of the various works and comparison/contrast of the different interpretations of these ideas will be stressed.

ENG 265 Science Fiction (3)

3 hour lecture

Prerequisite: A minimum grade of 'C' in ENG 50 or eligibility for ENG 100, as determined through the English placement process**Note:** Graded only**Transfer acceptability:** CSU; UC

An introduction to science fiction - its major authors and stories, themes, trends, and cultural impact.

ENG 270 Popular Literature (3)

3 hours lecture

Prerequisite: A minimum grade of 'C' in ENG 50 or eligibility for ENG 100, as determined through the English placement process**Transfer acceptability:** CSU; UC

An introduction to one genre of popular literature such as science fiction, fantasy, detective fiction, war fiction, humor, or western literature using short stories and novels, and how these works are affected by the expectations, and conventions of the genre in which the author is writing.

ENG 280 Women and Literature (3)

3 hours lecture

Prerequisite: A minimum grade of 'C' in ENG 50 or eligibility for ENG 100, as determined through the English placement process**Transfer acceptability:** CSU; UC

Examines from a multicultural perspective women's relationship to literature. Examines what it means to be a "woman" writer, exploring historical and cultural conditions that have shaped women's relationship to literature. Explores gender stereotypes in literature by and about women and analyzes the ways in which women writers engage with, resist, and/or subvert dominant ideas about gender in literature.

ENG 290 Comic Books as Literature (3)

3 hours lecture

Prerequisite: A minimum grade of 'C' in ENG 50 or eligibility for ENG 100, as determined through the English placement process**Transfer acceptability:** CSU; UC

An analysis of the comic book in terms of its unique poetics (the complicated interplay of word and image); the themes that are suggested in various works; the history and development of the form and its subgenres; and the expectations of comic book readers. Examines the influence of history, culture, and economics on comic book artists and writers. Explores definitions of "literature," how these definitions apply to comic books, and the tensions that arise from such applications.

ENG 295 Directed Study in Literature (1, 2, 3)

3, 6, or 9 hours laboratory

Prerequisite: Eligibility for ENG 100**Transfer acceptability:** CSU; UC – Credit determined by UC upon review of course syllabus.

Independent study for students who have demonstrated skills and/or proficiencies in English subjects and have the initiative to work independently on projects or research outside the context of regularly scheduled classes. Students will work under the personal supervision of an instructor.

English as a Second Language (ESL)

Contact the English as a Second Language Department for further information. (760) 744-1150, ext. 2272

Office: H-116

Any student wishing to earn an A.A. degree must complete ENG 100 with a grade of 'C' or better.

Students whose first language is not English are advised to participate in an English placement process given by the English as a Second Language Department before enrolling in any English or English as a Second Language class. The assessment process will determine which level is appropriate for the student.

COURSE OFFERINGS

Courses numbered under 50 are non-degree courses.

Courses numbered under 100 are not intended for transfer credit.

The following courses are for students whose first language is not English.

ESL 9 English Pronunciation I (3)

3 hours lecture

Non-degree Applicable

Development of students' ability to identify and replicate English intonation, stress patterns, and certain common word combinations as they are pronounced in informal speech.

ESL 10 English Pronunciation II (3)

3 hours lecture

Non-degree Applicable

Identifies standard spoken American English intonation, stress and rhythm sounds. Provides practice to retrain the speech organs to produce those sounds. Emphasis on self correction of speech problems.