

ENGR 5 C++ Scientific Programming

Units: 3.0 **Hours:** 2.0 lecture 3.0 Laboratory
Transferable: CSU, UC; CAN:CSCI4

An introduction to computer problem solving and programming using the C++ language for science and engineering majors. Students will write programs for a variety of scientific and mathematical applications. **PREREQUISITE:** Mathematics 1A **ADVISORY:** Completion of CSIS 10.

ENGR 10A Introduction to Engineering I

Units: 2.0 **Hours:** 1.5 lecture 1.5 Laboratory
Transferable: CSU, UC

Engineering 10A introduces students to the engineering profession. Topics will include an introduction to the various engineering disciplines; the role of engineers and engineering in society; the curriculum requirements for the various engineering disciplines at different four-year institutions; academic success strategies; personal and professional development techniques; an introduction to the engineering design process; an introduction to engineering problem-solving methodologies; engineering ethics; communication skills; and working as a member of a team. Engineering 10A and 10B, together, are equivalent to Engineering 10 at San Jose State University. **PREREQUISITE:** Math 8B or equivalent

ENGR 10B Introduction to Engineering II

Units: 2.0 **Hours:** 1.5 lecture 1.5 Laboratory
Transferable: CSU, UC

Engineering 10B continues the introduction to the engineering profession begun in Engineering 10A. Topics will include an introduction to experimental methods and data analysis; continued introduction to the engineering design process with more challenging design problems and the introduction of analysis in engineering design; engineering problem-solving using the personal computer; continued personal and professional growth techniques; communication skills; and working as a member of a team. Engineering 10A and 10B, together, are equivalent to Engineering 10 at San Jose State University. **PREREQUISITE:** Engineering 10A

ENGLISH**ENGL 1A Composition**

Units: 3.0 **Hours:** 3.0 Lecture
Transferable: CSU, UC; CSU-GE:A2, IGETC:1A; GAV-GE:A2; CAN:ENGL2, ENGL SEQ A

This is a writing course which emphasizes expository writing, argumentative writing, and critical reading of expository prose. It is meant to train students in clear thinking and reasoned support of ideas. Students will be given the opportunity to read models of good expository and argumentative prose and learn the techniques of good writing. These include choosing appropriate subjects, developing restricted, unified, and precise theses and presenting supporting evidence in a logical, lucid, and effective manner. To achieve this end, students write no fewer than six essays and read at least five works, two of which are book length. **PREREQUISITE:** English 250 and English 260 or English 250 and SSCI 270A or English 250 and SSCI 270B with a grade of 'C' or better or satisfactory score on the English placement examination.

ENGL 1B Composition and Literature

Units: 3.0 **Hours:** 3.0 Lecture
Transferable: CSU, UC; CSU-GE:C, IGETC:3B; GAV-GE:C2; CAN:ENGL4, ENGL SEQ A

English 1B continues the work begun in 1A, but now the emphasis shifts to writing expository prose in conjunction with reading and analyzing imaginative literature. Students are to write as fledgling critics and use the text as a basis for other forms of reflection. The reading requirement includes short stories, poetry, drama, and at least two novels. Course work will also include fundamentals of research writing. **PREREQUISITE:** English 1A with a grade of "C" or better.

ENGL 1C Critical Reasoning and Writing

Units: 3.0 **Hours:** 3.0 Lecture
Transferable: CSU, UC; CSU-GE:A3, IGETC:1B; GAV-GE:C2

This course is designed to develop critical thinking, reading, and writing skills beyond the level achieved in English 1A. The emphasis is on critical analysis of arguments and the development of the ability to integrate the principles of critical thinking into essay writing. **PREREQUISITE:** English 1A with a grade of "C" or better.

ENGL 2A Introduction to Poetry

Units: 3.0 **Hours:** 3.0 Lecture
Transferable: CSU, UC; CSU-GE:C2, IGETC:3B; GAV-GE:C2, F

This is a transfer literature video course in which the student learns to analyze and discuss poetry. It is based on the acclaimed video series uVoices and Visions which focuses on 13 American poets. **PREREQUISITE:** Eligible for English 1A.

ENGL 2B Introduction to Multi-Cultural Literature

Units: 3.0 **Hours:** 3.0 Lecture
Transferable: CSU, UC; CSU-GE:C2, IGETC:3B; GAV-GE:C2, F

Students will examine the concept of ethnicity in the context of contemporary American multi-ethnic literature: Native American, Hispanic American, Black American, Asian American. Students will critique this literature using the accepted elements of literary criticism. They will read and analyze selections from each literature and explain their results in journals, oral presentations, a research project and examinations. **PREREQUISITE:** Eligible for English 1A.

ENGL 2C Introduction to Film and Fiction

Units: 3.0 **Hours:** 3.0 Lecture
Transferable: CSU, UC; CSU-GE:C2, IGETC:3B; GAV-GE:C2

This is a literature course in analysis of the novel and film as art forms. The student will read several novels, view the films based on the novels, and discuss the difference in techniques, both orally and in writing. **PREREQUISITE:** Eligible for English 1A.

ENGL 2E Introduction to Women Writers

Units: 3.0 **Hours:** 3.0 Lecture
Transferable: CSU, UC; CSU-GE:C2, IGETC:3B; GAV-GE:C2, F

This is a transfer literature class which examines the history of women as writers and distinguishes themes in women's literature using the tools of literary criticism. **PREREQUISITE:** Eligible for English 1A.

ENGL 2F Children's Literature

Units: 3.0 **Hours:** 3.0 Lecture
Transferable: CSU, UC; CSU-GE:C2, IGETC:3B; GAV-GE:C2

A survey of texts for elementary and intermediate grades, with a focus on literary analysis, criticism and evaluation. Study of historical backgrounds and development of genres of children's literature in a cross section of cultures. This course has the option of a letter grade or pass/no pass. **PREREQUISITE:** English 1A.

ENGL 2H Mexican-American Literature

Units: 3.0 **Hours:** 3.0 Lecture
Transferable: CSU, UC; CSU-GE:C2, IGETC:3B; GAV-GE:C2, F

An interpretive analysis of Chicano literature from its origins to its contemporary status. Emphasis will be on short stories, essays, poetry, drama, and novels as a means of providing an expansive view of the Chicano experience and the literature that it creates. This course analyzes the interrelationships between drama, literature, art, music, dance, and folklore as a reflection of the Chicano. **PREREQUISITE:** Eligible for English 1A

ENGL 2J Mythology

Units: 3.0 **Hours:** 3.0 Lecture
Transferable: CSU, UC; CSU-GE:C2, IGETC:3B; GAV-GE:C2

This course is a survey of myths from around the world, with an emphasis on literary analysis of the myths. The course covers the purposes and types of myths; the development of myths and mythological characters, the recurring elements of mythological structures, the influence of mythology on contemporary texts. **PREREQUISITE:** Eligible for English 1A.

ENGL 4A British Literature - 449 to 1798 A.D.

Units: 3.0 **Hours:** 3.0 Lecture
Transferable: CSU, UC; CSU-GE:C2, IGETC:3B; GAV-GE:C2; CAN:ENGL8, ENGL SEQ B

This course is a study of the masters of British literature. In English 4A the student studies the years 449 through 1798 A.D. **PREREQUISITE:** Eligible for English 1A.

ENGL 4B British Literature - 1798 to Present**Units:** 3.0 **Hours:** 3.0 Lecture**Transferable:** CSU, UC; CSU-GE:C2; IGETC:3B; GAV-GE:C2; CAN:ENGL10, ENGL SEQ B

This course is a study of the masters of British Literature from 1798 to present. In this course we will read and analyze the literature of Blake, Wordsworth, Coleridge, Byron, Shelley, Keats, Tennyson, Browning, Arnold, Clough, Hopkins, Rossetti, Bronte, Yeats, Joyce, Woolf, Lawrence, Eliot, and Forster. Note: this course need not be taken in sequence. **PREREQUISITE:** Eligible for English 1A.

ENGL 5A Survey of American Literature - 1620 to 1865**Units:** 3.0 **Hours:** 3.0 Lecture**Transferable:** CSU, UC; CSU-GE:C2; IGETC:3B; GAV-GE:C2; CAN:ENGL14

This course is a study of the masters of American literature covering the years 1620 to 1865 A.D. **PREREQUISITE:** Eligible for English 1A.

ENGL 5B Survey of American Literature - 1865 to Present**Units:** 3.0 **Hours:** 3.0 Lecture**Transferable:** CSU, UC; CSU-GE:C2; IGETC:3B; GAV-GE:C2; CAN:ENGL16

This course is a study of the masters of American literature covering the years 1865 A.D. to the present. Note: Need not be taken in sequence. **PREREQUISITE:** Eligible for English 1A.

ENGL 9A Introduction to Creative Writing**Units:** 3.0 **Hours:** 3.0 Lecture**Transferable:** CSU, UC; CSU-GE:C2; GAV-GE:C2; CAN:ENGL6

This course includes the writing, reading, and critical discussions of various forms of poetry and fiction. **PREREQUISITE:** Eligible for English 1A.

ENGL 9B Advanced Creative Writing**Units:** 3.0 **Hours:** 3.0 Lecture**Transferable:** CSU, UC; CSU-GE:C2; GAV-GE:C2

This class is a continuation of English 9A, with the emphasis shifting to publication. The genre of non-fiction will be the primary focus, but the genres of fiction will also be taught at a more comprehensive level than in English 9A. The process of finding a market for one's work will be followed step by step. The class may compile and publish "Soaring", Gavilan's literary magazine, each spring semester. **PREREQUISITE:** English 9A with a grade of credit or C or better.

ENGL 9C Poetry Writing**Units:** 3.0 **Hours:** 3.0 Lecture**Transferable:** CSU, UC; CSU-GE:C2; GAV-GE:C2

This course includes the writing, reading, and critical discussions of various forms of poetry. **PREREQUISITE:** English 9A with a grade of credit or C or better.

ENGL 10 Writing for the Workplace**Units:** 3.0 **Hours:** 3.0 Lecture**Transferable:** CSU

This course will introduce students to the field of technical writing. Students will learn industry standards of writing as well as copyediting, outlining, and revision techniques. Various types of technical communication will be examined for consistency, completeness, economy, and accuracy. **PREREQUISITE:** Eligible for English 250. **ADVISORY:** CSIS 126, Word Processing - MS Word, or equivalent.

ENGL 12A Tutoring Writers: Training/Theory & Practice**Units:** 1.0 TO 3.0 **Hours:** 1.0 TO 3.0 Lecture**Transferable:** CSU

Fundamentals of compositional theory, the writing process, peer-to-peer communication, interacting with faculty and educational institutions and effective responses to writing will be covered. In addition, students will gain an understanding of the basic history, methodology and practice of writing pedagogy while developing a writing community that aids in connecting them to their own writing practice. **ADVISORY:** Eligible for English 1A.

ENGL 12B Tutoring Writers: Training/Theory & Practice**Units:** 1.0 TO 3.0 **Hours:** 1.0 TO 3.0 Lecture**Transferable:** CSU

Fundamentals of compositional theory, the writing process, peer-to-peer communication, interacting with faculty and educational institutions and effective responses to writing will be covered. In addition, students will gain an understanding of the basic history, methodology and practice of writing pedagogy while developing a writing community that aids in connecting them to their own writing practice. **ADVISORY:** Eligible for English 1A.

ENGL 12C Tutoring Writers: Training/Theory & Practice**Units:** 1.0 TO 3.0 **Hours:** 1.0 TO 3.0 Lecture**Transferable:** CSU

Fundamentals of compositional theory, the writing process, peer-to-peer communication, interacting with faculty and educational institutions and effective responses to writing will be covered. In addition, students will gain an understanding of the basic history, methodology and practice of writing pedagogy while developing a writing community that aids in connecting them to their own writing practice. **ADVISORY:** Eligible for English 1A.

ENGL 12D Tutoring Writers: Training, Theory & Practice**Units:** 1.0 TO 3.0 **Hours:** 1.0 TO 3.0 Lecture**Transferable:** CSU

Fundamentals of compositional theory, the writing process, peer-to-peer communication, interacting with faculty and educational institutions and effective responses to writing will be covered. In addition, students will gain an understanding of the basic history, methodology and practice of writing pedagogy while developing a writing community that aids in connecting them to their own writing practice. **ADVISORY:** Eligible for English 1A.

ENGL 250 Practical Writing**Units:** 3.0 **Hours:** 3.0 lecture 1.0 Laboratory**Transferable:** No; GAV-GE:A2

This course covers writing clear, correct, effective essays and learning preliminary research skills. **PREREQUISITE:** English 440 or ESL 563 with a grade of 'C' or better or satisfactory score on the English placement examination.

ENGL 260 Preparation for College Reading**Units:** 3.0 **Hours:** 3.0 Lecture**Transferable:** No; GAV-GE:A3

This is a course presenting strategies in the technique and practice of college level critical reading and thinking skills. **PREREQUISITE:** Completion of English 420 or ESL 562 with a grade of 'C' or better or Assessment recommendation.

ENGL 418 Basic Reading Skills**Units:** 3.0 **Hours:** 9.0 Laboratory**Transferable:** No

This is an individualized remediation course designed for students with low-literacy reading skills. Emphasis will be in the areas of word attack skills, word recognition, comprehension and vocabulary. The personal and practical values of reading are emphasized. This course may be repeated three times for credit. Units earned in this course do not count toward the associate degree and/or certain certificate requirements. This is a pass/no pass course. **ADVISORY:** Appropriate ESL classes may be recommended for students for whom English is a second language, as determined by skill assessment.

ENGL 420 Reading Improvement**Units:** 3.0 **Hours:** 3.0 lecture 1.0 Laboratory**Transferable:** No

This is a practical, "how to" course teaching various methods of learning and reading college material. Using group and individual instruction in vocabulary, comprehension, and study skills, the students will increase their ability to survive academically, to profit, grow and succeed in all college courses, and to enjoy reading and learning. Units earned in this course do not count toward the associate degree and/or certain certificate requirements. **PREREQUISITE:** Satisfactory score on the English placement examination.

ENGL 439 Basic Grammar and Reading

Units: 4.0 **Hours:** 3.0 lecture 3.0 Laboratory
Transferable: No

This is a remediation course introducing basic reading and writing strategies, as well as study skills. Group and individual instruction will be used to build vocabulary, increase reading comprehension, develop study skills, and apply basic grammar to writing. Units earned in this course do not count toward the associate degree and/or certain certificate requirements. This is a pass/no pass course. **ADVISORY:** Assessment recommendation.

ENGL 440 Basic Writing

Units: 3.0 **Hours:** 3.0 lecture 1.0 Laboratory
Transferable: No

This is an intensive study and application of basic grammar, sentence, and essay writing skills within the context of composing short essays. Units earned in this course do not count toward the associate degree and/or certain certificate requirements. **PREREQUISITE:** Satisfactory score on the English placement examination.

ENGL 480 Spelling

Units: .5 **Hours:** 1.5 Laboratory
Transferable: No

This course is an individualized, self-paced course to introduce or review the principles of spelling. Students will learn basic spelling rules and practice them under the guidance of an instructor. This is a pass/no pass course. **ADVISORY:** Appropriate ESL courses.

ENGLISH AS A SECOND LANGUAGE**ESL 501 Survival ESL I**

Units: 6.0 **Hours:** 4.0 lecture 6.0 Laboratory
Transferable: No

This is a course in survival English for students with little or no oral or written English competency. It will give students basic vocabulary and familiarity in life skill areas such as the family, food, health, and occupations. The course integrates listening, speaking, reading, and writing. (ESL 501, 502, and 503 are sequential courses that may be taken in full form or in halves, preferably A before B.) This is a pass/no pass course. **ADVISORY:** ESL assessment recommendation

ESL 501A Survival ESL I First Half

Units: 3.0 **Hours:** 2.0 lecture 3.0 Laboratory
Transferable: No

This is the first half of a course in survival English for students with little or no oral or written English competency. It will give students basic vocabulary and familiarity in life skill areas such as the family, food, health, and occupations. The course integrates listening, speaking, reading, and writing. (ESL 501, 502, and 503 are sequential courses that may be taken in full form or in halves, preferably A before B.) This is a pass/no pass course. **ADVISORY:** ESL assessment recommendation

ESL 501B Survival ESL I Second Half

Units: 3.0 **Hours:** 2.0 lecture 3.0 Laboratory
Transferable: No

This is a second half of a course in survival English for students with little or no oral or written English competency. It will give students basic vocabulary and familiarity in life skill areas such as the family, food, health, and occupations. The course integrates listening, speaking, reading, and writing. (ESL 501, 502, and 503 are sequential courses that may be taken in full form or in halves, preferably A before B.) This is a pass/no pass course. **ADVISORY:** ESL 501A or ESL assessment recommendation

ESL 502 Survival ESL II

Units: 6.0 **Hours:** 4.0 lecture 6.0 Laboratory
Transferable: No

This is a second course in survival English for students with little oral or written English competency. It will give students expanded basic vocabulary and familiarity in life skill areas such as the weather, transportation, employment, and American holidays and customs. The course integrates listening, speaking, reading, and writing. (ESL 501, 502, and 503 are sequential courses that may be taken in full form or in halves, preferably A before B.) This is a pass/no pass course. **ADVISORY:** ESL 501 or ESL 501A and 501B or ESL assessment recommendation

ESL 502A Survival ESL II First Half

Units: 3.0 **Hours:** 2.0 lecture 3.0 Laboratory
Transferable: No

This is the first half of a second course in survival English for students with little oral or written English competency. It will give students expanded basic vocabulary and familiarity in life skill areas such as the weather, transportation, employment, and American holidays and customs. The course integrates listening, speaking, reading, and writing. (ESL 501, 502, and 503 are sequential courses that may be taken in full form or in halves, preferably A before B.) This is a pass/no pass course. **ADVISORY:** ESL 501 or ESL 501A and 501B or ESL assessment recommendation

ESL 502B Survival ESL II Second Half

Units: 3.0 **Hours:** 2.0 lecture 3.0 Laboratory
Transferable: No

This is the second half of the second course in survival English for students with little oral or written English competency. It will give students expanded basic vocabulary and familiarity in life skill areas such as weather, transportation, employment, and American holidays and customs. The course integrates listening, speaking, reading, writing. (ESL 501, 502, and 503 are sequential courses that may be taken in full form or in halves, preferably A before B.) This is a pass/no pass course. **ADVISORY:** ESL 501 or ESL 501A and 501B or ESL assessment recommendation

ESL 503 Survival ESL III

Units: 6.0 **Hours:** 4.0 lecture 6.0 Laboratory
Transferable: No

This is a third course in survival English for students with beginning oral or written English competency. It will reinforce basic skills learned and continue to develop vocabulary and ease of communication in life skill areas such as the family, the larger community, health, employment, and leisure activities. The course integrates listening, speaking, reading, and writing. (ESL 501, 502, and 503 are sequential courses that may be taken in full form or in halves, preferably A before B.) This is a pass/no pass course. **ADVISORY:** ESL 502 or ESL 502A and ESL 502B or ESL assessment recommendation.

ESL 503A Survival ESL III First Half

Units: 3.0 **Hours:** 2.0 lecture 3.0 Laboratory
Transferable: No

This is the first half of a third course in survival English for students with beginning oral or written English competency. It will reinforce basic skills learned and continue to develop vocabulary and ease of communication in life skill areas such as the family, the larger community, health, employment, and leisure activities. The course integrates listening, speaking, reading, and writing. (ESL 501, 502, and 503 are sequential courses that may be taken in full form or in halves, preferably A before B.) This is a pass/no pass course. **ADVISORY:** ESL 502 or ESL 502A and 502B or ESL assessment recommendation

ESL 503B Survival ESL III Second Half

Units: 3.0 **Hours:** 2.0 lecture 3.0 Laboratory
Transferable: No

This is the second half of a third course in survival English for students with beginning oral or written English competency. It will reinforce basic skills learned and continue to develop vocabulary and ease of communication in life skill areas such as the family, the larger community, health, employment, and leisure activities. The course integrates listening, speaking, reading, and writing. (ESL 501, 502, and 503 are sequential courses that may be taken in full form or in halves, preferably A before B.) This is a pass/no pass course. **ADVISORY:** ESL 502 or ESL 502A and 502B or ESL assessment recommendation

Noncredit ESL classes are listed beginning on page 223.

