

Course Descriptions

English, Reading, and Mathematics Classifications

Bakersfield College places students into courses with prerequisites on the basis of placement tests, previous school transcripts, and state requirements. If students have taken the college placement test or met with a counselor, the registration system will allow registration. Placement levels indicated in the first row of the chart are determined by your test scores and correspond to courses listed under the placement level. It is important to discuss program plans and high school courses with a BC counselor or advisor before registering.

Courses listed in boxes that are shaded are transfer level courses that are accepted for transfer to most four-year colleges and universities.

Placement Level	00	01	02	03	04	05	06
MATH							
Non-Science Track	ACDV B78	MATH B50	MATH BA	MATH BD	MATH B4a MATH B2	MATH B22 MATH B16	MATH B23 PSYC B5
Science Track	ACDV B78	MATH B50	MATH BA	MATH BD	MATH B1A		MATH B6A
ENGLISH							
				ACDV B68	ENGL B60	ENGL B1	ENGL B1A
ENGLISH AS A SECOND LANGUAGE							
		ENSL B75	ENSL B55	ENSL B3	ENSL B2	ENSL B1	ENGL B1A
READING							
			ACDV B91	ACDV B62	ACDV B50	ACDV B50	LEVEL 6 COURSES
READING, ENGLISH AS A SECOND LANGUAGE							
				ENSL B61	ENSL B51	ENSL B31	LEVEL 6 COURSES
STUDY SKILLS							
					ACDV B52	ACDV B70A-B70F	STDV B6

 = TRANSFER LEVEL

COURSE DESCRIPTIONS

Course Description Abbreviations

The following abbreviations are commonly used in the course descriptions: lect lecture; lab laboratory; demo demonstration; Repeat repeatability (see policy on course repetition); CCS Course Classification System; CAN California Articulation Number; BC GE Bakersfield College General Education; CSU GE California State University General Education; IGETC Intersegmental General Education Transfer Curriculum. Hours are total hours for the course. Offered: F=course is offered fall semester; S=course is offered spring semester; SS=course is offered summer session. If there is no designation, the course is offered irregularly. Check with the department for information. Many classes are offered occasionally during the summer. Check the summer class schedule for additional course listings. Prerequisites are expressed as minimum requirements. (CSU) indicates transferable to California State Universities; (UC) indicates transferable to University of California.

Course Classification System

Bakersfield College uses a course classification system that serves to describe the total educational program of the community college as required by Title 5, Section 55001. Classes currently mandated by the state are designated as: Liberal Arts and Sciences; Precollegiate-Discipline Specific; Precollegiate-Basic Skills; Occupational Education.

Course Numbering System and Transferability of Bakersfield College Courses

Transfer courses in the Bakersfield College curriculum are *generally* numbered 1 through 49. For information about the transferability of a specific course, please see the course description. Associate Degree only courses are for the primary purpose of meeting requirements for an Associate in Arts Degree or an Associate in Science Degree and certificate programs. These courses are designated Not Transferable. Each course is listed in one of the following categories:

Not Transferable: Not degree applicable

Not Transferable: Associate Degree only

*California State University (CSU) and private colleges
University of California System (UC), CSU and private colleges*

Many of the courses listed in this catalog are articulated with specific courses at four-year colleges and universities. This means that those colleges and universities will accept the corresponding Bakersfield College course as equivalent to the course they offer.

In some cases Bakersfield College offers courses that are taught at the baccalaureate level but do not have a lower-division equivalent at one of the four-year schools to which BC students commonly transfer. Sometimes these courses are technical in nature and might even be offered in the upper

division or graduate level at four-year schools. These courses are transferable but not articulated. They will be accepted for elective baccalaureate credit but do not satisfy a specific course equivalent.

ASSIST.org is the official repository of articulation for California's colleges and universities. Visit www.ASSIST.org to see which Bakersfield College courses are articulated.

Variable Topics Courses and UC Transferability

Variable topics courses are also called "Independent Studies," "Special Studies," "Special Topics," "Internships," etc. UC credit for variable topics courses is given only after a review of the course outline by the enrolling UC campus. This usually occurs after transfer and may include recommendations from faculty. UC credit is not given for variable topics courses in Journalism, Photography, Health, Business Administration, Architecture, Administration of Justice (Criminology) or Library Departments due to credit restrictions in those areas.

ACADEMIC DEVELOPMENT

ACDV B5 Tutor Training and Practicum (2 units)

Essential human relations skills and methods of effective tutoring, placing these skills into practice with tutees referred by the Tutor Coordinator. Student may be referred by subject area instructor(s). **Prerequisite:** Minimum grade of 'B' in subject to be tutored or approval of subject area instructor or evaluation of prerequisites by the Tutor Trainer and/or Tutor Coordinator. **Recommended:** Reading Level 6. **Hours:** 18 lect/disc, 54 supervised tutoring. **Offered:** F, S. **CCS:** Liberal Arts & Sciences. **Transferable:** CSU and private colleges.

ACDV B5a Tutor Training and Practicum (0.5 unit)

Essential human relations skills and methods of effective tutoring, placing these skills into practice with tutees referred by the Tutor Coordinator. Students may be referred by subject area instructor(s). **Prerequisite:** Minimum grade of 'B' in the subject to be tutored or approval of subject area instructor and successful completion of specific training in tutoring methods or evaluation of prerequisite by the Tutor Trainer and/or Tutor Coordinator. **Recommended:** Reading Level 6. **Hours:** 9 lect/disc, 27 supervised tutoring. **CCS:** Liberal Arts & Sciences. **Transferable:** CSU and private colleges.

ACDV B50 Reading for Academic Success (3 units)

Recommended for students who have not met the reading competency requirements at entrance or for those who wish to improve their skills in academic reading. Emphasizes critical reading critical thinking, and reading flexibility with college-level material (poetry, short stories, essays, textbook chapters). Focuses on application, analysis, synthesis, and evaluation in both oral and written form. Includes responding, summarizing, and outlining. **Prerequisite:** Reading Level 4 or successful completion of ACDV B62. **Hours:** 54 lect. **Offered:** F, S, SS. **CCS:** **Precollegiate** - basic skills. **Not Transferable:** Not degree applicable.

ART B23 Advertising Design (3 units)

This course focuses on the design of advertising. Through concept development, type, and images, students will create original advertising solutions. A broad survey of advertising media will be explored. **Recommended:** ART B20 and Reading Level 5 or 6. **Hours:** 108 lab. **CCS:** Occupational Education. **Transferable:** CSU and private colleges. Note: Elective credit only.

ART B24 Digital Imaging (3 units)

This course introduces raster art as used in commercial media. Through a series of projects, students create original artwork, and refine their design skills. Processes such as painting, masking, layering, color correcting, separating, and effects filtering are covered. Image creation, scanning, editing, compositing, re-touching, and problem solving are explored. **Recommended:** ART B20 or equivalent. **Hours:** 54 lect, 54 lab. **CCS:** Occupational Education. **Transferable:** CSU and private colleges.

ART B25 Typography (3 units)

This course focuses on effective and original letterform usage in visual media. Students create typographic design solutions and explore the evolution of letterforms from ancient to contemporary. All projects feature investigation of structure, format, legibility, and expression. **Prerequisite:** ART B20. **Hours:** 54 lect, 54 lab. **CCS:** Occupational Education. **Transferable:** CSU and private colleges.

ART B29 Special Studies in Art (0.5-3 units. Limit 9 units)

This course is intended for students pursuing advanced individual projects. The content and unit credit are determined by the instructor and student in consultation. **Recommended:** Completion of beginning courses in a particular series or evaluation by instructor of student's skills in subject area. **Hours:** 9 lect, 18 lab for each 0.5 unit. **Repeat:** 3, or until a maximum of 9 units is reached. **CCS:** Liberal Arts & Sciences. **Transferable:** UC, CSU and private colleges. Note: Elective credit only.

ART B30a Survey of World Art, Prehistory Through Islam (3 units)

This course is a historical survey of the architecture and visual arts of the ancient Mediterranean area. The survey begins in the Paleolithic age (30,000 BC) and continues through the birth and rise of Islam (570 to 1500 AD). **Recommended:** Reading Level 5 or 6. **Hours:** 54 lect. **Offered:** F alternate years. **CCS:** Liberal Arts & Sciences. **Transferable:** UC, CSU and private colleges. ART B30a+B30b = CAN ART 2; ART B30a+B30b+B30c+B30d = CAN ART SEQ A; BC GE C; CSU GE C.1; IGETC 3.A.

ART B30b Survey of World Art, Non-Western Cultures and Medieval Europe (3 units)

This course is a historical survey of the architecture and visual arts of Africa, the Americas, China, India, Japan, and Medieval

Europe. **Recommended:** Reading Level 5 or 6. **Hours:** 54 lect. **Offered:** S alternate years. **CCS:** Liberal Arts & Sciences. **Transferable:** UC, CSU and private colleges. ART B30a+B30b = CAN ART 2; ART B30a+B30b+B30c+B30d = CAN ART SEQ A; BC GE C; CSU GE C.1; IGETC 3.A.

ART B30c Survey of World Art, 14th Century Through 17th Century (3 units)

This course is a historical survey of the architecture and visual arts of the European Renaissance as well as that of the non-Western world during the time period. The cultures of India, China, Japan, the Americas and the Pacific are explored. **Recommended:** Reading Level 5 or 6. **Hours:** 54 lect. **Offered:** F alternate years. **CCS:** Liberal Arts & Sciences. **Transferable:** UC, CSU and private colleges. ART B30c+B30d = CAN ART 4; ART B30a+B30b+B30c+B30d = CAN ART SEQ A; BC GE C; CSU GE C.1; IGETC 3.A.

ART B30d Survey of World Art, 18th Century Through 20th Century (3 units)

This course is a historical survey of the architecture and visual arts of the world from the 1700s to the 1900s. **Recommended:** Reading Level 5 or 6. **Hours:** 54 lect. **Offered:** S alternate years. **CCS:** Liberal Arts & Sciences. **Transferable:** UC, CSU and private colleges. ART B30c+B30d = CAN ART 4; ART B30a+B30b+B30c+B30d = CAN ART SEQ A; BC GE C; CSU GE C.1; IGETC 3.A.

ART B30e Art of Latin America (3 units)

This course is a historical survey of the arts in Latin America. The focus is on the Spanish-speaking regions of the Americas, as well as Cuba and the Dominican Republic. Students examine artistic contributions by Latin American artists to colonial and modern art forms. **Recommended:** Reading Level 5 or 6. **Hours:** 54 lect. **CCS:** Liberal Arts and Sciences. **Transferable:** UC, CSU and private colleges. Note: Not open to students who have taken the equivalent course, CHST B30e. BC GE C; CSU GE C.1; IGETC 3.A.

ASTRONOMY**ASTR B1 Physics of the Cosmos (3 units)**

Introductory course emphasizing the application of physics to understand the physical processes on the Earth and beyond the Earth and how we know those processes are occurring while still being bound to the earth (or our solar system). The process and philosophy of science is examined from the astronomical perspective. Among topics included: the motions, properties, and evolution of the Sun, planets (including exoplanets), stars, galaxies, and universe and how we know; the analysis of electromagnetic radiation; atomic structure; astronomical instruments; brief history of astronomy; Newton's law of gravity; General Relativity. **Prerequisite:** Reading Level 5 or 6. **Recommended:** Math BA with a grade of "C" or equivalent. **Hours:** 54 lect. **CCS:** Liberal Arts & Sciences. **Transferable:** UC, CSU and private colleges. BC GE B.1; CSU GE B.1; IGETC 5.A.

ASTR B2 Life in the Universe (3 units)

Introductory course on the scientific search for life in the universe. The process and philosophy of science is examined from the astronomical and biological perspectives. Among topics included: the definition and nature of life, the formation and development of the Earth and life on the Earth, other places in our solar system that might have habitats for life, habitable zones around other stars, how we detect extrasolar planets, how we could detect biological activity on extrasolar planets, the search for extraterrestrial intelligence, interstellar travel, and implications of making contact. Prerequisite: Reading Level 5 or 6. Recommended: MATH BA with a grade of “C” or better. Hours: 54 lect. CCS: Liberal Arts and Sciences. Transferable: UC, CSU and private colleges. BC GE B.1, CSU GE B.1, IGETC 5A.

ASTR B3 Solar System (3 units)

Introductory course on the Sun, Earth, other planets, moons, rings, comets, asteroids, and extrasolar planets, formation and development of the Earth and solar system, and possibility of life on other worlds. Prerequisite: Reading Level 5 or 6. Recommended: MATH BA with a grade of “C” or better. Hours: 54 lect. CCS: Liberal Arts and Sciences. Transferable: UC, CSU and private colleges. BC GE B.1, CSU GE B.1, IGETC 5A.

AUTOMOTIVE

Credit limitations may apply. For specific information see a counselor or the transfer institution.



AUTO B1ab Introduction to Automotive Technology (2-2 units)

Introduction to the operation and maintenance of the modern automobile with emphasis on the theory of the basic operating systems. These systems include a) the engine and its systems (lubrication, cooling, fuel, and emission controls), b) electrical systems (battery, starting, charging, lighting, and ignition, c) the chassis (suspension, wheel alignment, steering, brakes, tires and wheels, d) the drive line (clutch, standard and automatic transmissions, universal joints and differential).

Recommended: B1a: Reading Level 5 or 6; B1b: AUTO B1a. **Hours:** 27-27 lect, 27-27 lab. **Offered:** F, S. **CCS:** Occupational Education. **Transferable:** CSU and private colleges.



AUTO B2a Automotive Engine Overhaul (9 units)

Preparation for ASE A1 exam. Theory of internal combustion, piston-type engine design and maintenance. Practice in engine overhaul procedures and mechanical problem diagnosis.

Recommended: AUTO B1 with minimum grade of “C” or evaluation of previous auto experience by instructor. **Hours:** 108 lect, 162 lab. **Repeat:** 1. **CCS:** Occupational Education. **Transferable:** CSU and private colleges. **Note:** Elective credit only.



AUTO B2b Automotive Engines Machining (9 units)

Prepares for ASE M1G, M2g, M3g exams. Advanced engine design, theory of machining techniques and engine machining procedures. Practice in automotive machining operations.

Prerequisite: AUTO B2a. **Hours:** 108 lect, 162 lab. **Repeat:** 1. **CCS:** Occupational Education. **Transferable:** CSU and private colleges. **Note:** Elective credit only.



AUTO B14 Automotive Tune-Up: Electrical and Ignitions (10 units)

Prepares for ASE A6, A8 exams. Fundamentals of automotive electrical/electronic component repair. Includes electrical theory, diagnosis and repair of battery, starting, charging and ignition systems including computer controlled systems. Laboratory emphasis on computer diagnostic equipment.

Recommended: AUTO B1 or one year automotive repair work experience. Reading Level 5 or 6. **Hours:** 144 lect, 126 lab. **Repeat:** 1. **CCS:** Occupational Education. **Transferable:** CSU and private colleges. **Note:** Elective credit only.



AUTO B15 Automotive Tune-Up: Fuel and Emissions (10 units)

Prepares for ASE A8 exam. Theory, operation, and servicing of automotive fuel systems, computer controlled fuel systems, emission controls, and advanced engine performance.

Recommended: AUTO B1 with a grade of “C” or evaluation by instructor of previous auto experience. **Hours:** 144 lect, 126 lab. **Repeat:** 1. **CCS:** Occupational Education. **Transferable:** CSU and private colleges. **Note:** Elective credit only.

AUTO B50ab Diesel and Heavy Equipment Technician Training (3.5-3.5 units)

Repair service on heavy equipment. Emphasizes maintenance, repair, trouble-shooting, design, safety, tool usage, welding and air conditioning **Hours:** 32-32 lect, 96-96 lab. **CCS:** Occupational Education. **Not Transferable:** Associate Degree only.

AUTO B56ab Diesel Engines (2-2 units)

Diesel technology used in agriculture and transportation industries, covers principles of operation, diagnosis and service. **Recommended:** Reading Level 5 or 6. **Hours:** 18 lect, 18 lab for each 2 units. **CCS:** Occupational Education. **Not Transferable:** Not degree applicable.

AUTO B56c Hydraulics and Fluid Power Systems (2 units)

The application of hydraulic technology used in industrial and agricultural applications for stationary and mobile applications. Covers design, theory of operation and service of fluid power systems. **Recommended:** Reading level 5 or 6. **Hours:** 18 lect, 18 lab. **CCS:** Occupational Education. **Not Transferable:** Associate Degree only.

BSAD B253c: BSAD B253b with a grade of “C.” **Hours:** 30 hours per unit with individualized instruction in a supervised lab. Open entry/open exit. **Offered:** F, S. **CCS:** Occupational Education. **Not Transferable:** Associate Degree only.

BSAD B255 Keyboard Skill Building (0.5 unit)

Individualized instruction designed to increase keyboarding speed and improve accuracy to meet employment tests and job requirements. Emphasis is placed on individualized diagnostic and prescriptive drills. Specialized software is able to detect student’s weakness in keying and customizes drills designed to strengthen individual skill. **Hours:** 30 hours individualized instruction in a supervised lab. Open entry/open exit. **Repeat:** 1. **Offered:** F, S. **CCS:** Occupational Education. **Not Transferable:** Associate Degree only.

BSAD B264 Ten-Key Proficiency (0.5 unit)

Skill and proficiency in the use of the ten-key calculator by touch and the application of such skill and proficiency in the solution of the more frequently encountered business problems. **Hours:** 24 lect. **CCS:** Occupational Education. **Not Transferable:** Associate Degree only.

BSAD B280 Machine Transcription (1.5 units)

Students learn the skill of operating transcribing machines and develop skill in keying documents while listening to dictated material. Practice in transcribing letters, memoranda, and other business correspondence is stressed. Emphasizes English usage, punctuation, spelling/word usage, and proper document formatting when transcribing data. **Prerequisites:** BSAD B252c with a grade of C or equivalent and BSAD B85 or B285 or equivalent. **Hours:** 30 hours individualized instruction in a supervised lab. Open entry/open exit. **Offered:** F, S. **CCS:** Occupational Education. **Not Transferable:** Associate Degree only.

BSAD B285 Business English (3 units)

Basic English grammar course focusing on nouns, pronouns, verbs, adjectives, adverbs, conjunctions, and prepositions. Also includes standard punctuation, capitalization, number usage, and vocabulary development. **Hours:** 54 lect. **CCS:** Occupational Education. **Not Transferable:** Associate Degree only. **Hours:** 54 individualized instruction and supervised lab. Open entry/open exit. **Offered:** F, S. **CCS:** Occupational Education. **Not Transferable:** Associate Degree only. **Note:** Not open to students who have taken the equivalent course, BSAD B85.

BSAD B287 Filing (1.5 units)

Training in principles of filing and records management according to the Associate of Records Managers and Administrators (ARMA). Study and practice in filing by alphabetic, numeric, geographic, and subject methods. **Hours:** 32 hours individualized instruction and supervised lab. Open entry/open exit. **Offered:** F, S. **CCS:** Occupational Education. **Not Transferable:** Associate Degree only.

CHEMISTRY

Credit limitations may apply. For specific information see a counselor or the transfer institution.

The introductory courses in Chemistry (Chemistry B1a-B1b), Physics (Physics B2a-B2b or B4a-B4c) are designed to provide the basic foundation in, and understanding of the laws and principles of the physical world (matter and energy) for all science, health, and pre-professional majors. These courses should be completed early in a student’s academic program sequence of study to ensure greater academic success in subsequent courses in the student’s field of interest and a more complete understanding of that field.

CHEM B1a General Chemistry (5 units)

Basic principles of chemistry, including atomic structure, stoichiometry, reaction energy, chemical bonding, periodic relationships of the elements, states and properties of matter, solutions, introduction to acids and bases, a brief introduction to descriptive chemistry of the elements, and other topics as appropriate. The laboratory emphasizes quantitative methods. **Prerequisite:** Reading Level 5 or 6; CHEM B2a with a grade of “C” or higher or high school chemistry; MATH BD with a “C” or higher or 2 years of high school algebra. **Recommended:** Math prerequisite accomplished within previous 2 years. **Hours:** 54 lect, 90 lab, 18 disc. **Offered:** F,S. **CCS:** Liberal Arts & Sciences. **Transferable:** UC, CSU and private colleges. CAN CHEM 2; CHEM B1a+B1b = CAN CHEM SEQ A; BC GE B.1; CSU GE B.1, B.3; IGETC 5.A.

CHEM B1b General Chemistry and Chemical Analysis (5 units)

Continuation of CHEM B1a. Includes kinetics; equilibrium; thermodynamics; equilibrium as it applies to acid-base, solubility, and electrochemistry; nuclear chemistry; coordination chemistry; the descriptive chemistry of selected elements; and an introduction to organic chemistry. The laboratory includes qualitative analysis, quantitative techniques, and descriptive experiments. **Prerequisite:** CHEM B1a with a grade of “C” or better. **Hours:** 54 lect, 90 lab, 18 disc. **Offered:** S. **CCS:** Liberal Arts & Sciences. **Transferable:** UC, CSU and private colleges. CAN CHEM 4; CHEM B1a+B1b = CAN CHEM SEQ A;

CHEM B2a Introductory General Chemistry (4 units)

The principles and applications of general college chemistry. Designed for liberal arts, physical education and some baccalaureate nursing majors. Recommended also for students who need additional background for the more intensive course, CHEM B1a. **Prerequisite:** MATH BA with a grade of “C” or equivalent and Reading Level 5 or 6. **Recommended:** Math prerequisite accomplished within previous 2 years. **Hours:** 54 lect, 36 lab, 18 disc. **Offered:** F, S. **CCS:** Liberal Arts & Sciences. **Transferable:** UC, CSU and private colleges. **Note:** Not open to students with credit in CHEM B1a. CAN CHEM 6; BC GE B.1; CSU GE B.1, B.3; IGETC 5.A.

CHEM B3 General Chemistry and Chemical Analysis for Engineers (3 units)

Continuation of CHEM B1a, primarily for engineering majors. Includes kinetics; general and ionic equilibrium; thermodynamics; solubility; electrochemistry; nuclear chemistry; metallurgy; descriptive chemistry of silicon, ceramics, organic compounds and polymers. The laboratory includes qualitative analysis, quantitative techniques, and descriptive experiments. **Prerequisite:** CHEM B1a with a grade of "C" or better. **Hours:** 36 lect, 36 lab, 18 disc. **CCS:** Liberal Arts and Sciences. **Transferable:** CSU and private colleges.

CHEM B11 Principles of Inorganic, Organic and Biochemistry (5 units)

A systematic study of the principles of inorganic, organic and biochemistry using a qualitative and quantitative approach. Topics include physical principles of chemistry; inorganic compounds and reactions; a survey of organic chemistry-classification, compounds, reactions, nomenclature; biochemistry-classification, composition, reactions in living organisms. **Prerequisite:** MATH BA with a grade of "C" or equivalent. Reading Level 5 or 6. **Recommended:** Math within the last two years. **Hours:** 54 lect, 36 disc, 72 lab. **CCS:** Liberal Arts and Sciences. **Transferable:** UC, CSU and private colleges. BC GE B.1; CSU GE B.1, B.3; IGETC 5.A.

CHEM B18 Elementary Organic Chemistry (5 units)

A survey of organic compounds, including the fundamental organic functional groups, proteins, fats, carbohydrates, and representative types of organic chemical reactions. For students interested in chemical industries, medicine, dentistry, pharmacy, biology and related biological fields, engineering, medical terminology, and chiropractic, or students requiring only one semester of organic chemistry to complete chemistry requirements. Laboratory covers fundamental techniques in organic chemistry, including synthesis, separation, identification, and instrumental analysis. Emphasizes handling of small sample sizes. **Prerequisites:** CHEM B1a with a grade of "C" or higher, or CHEM B2a with a grade of "B" or higher. **Hours:** 54 lect, 108 lab. **Offered:** S. **CCS:** Liberal Arts & Sciences. **Transferable:** UC, CSU and private colleges. CSU GE B.1, B.3; IGETC 5.A.

CHEM B49 Applied Chemistry (4 units)

The systematic study of the principles of applied inorganic, organic, and biochemistry using a qualitative and quantitative approach. Topics include physical principles of chemistry; inorganic compounds and reactions; basic and applied nuclear chemistry, (including radioactivity, nuclear energy, uses of radioisotopes, radiation hazards); a survey of organic chemistry (classification, compounds, reactions, nomenclature); biochemistry (classification, composition, reactions in living organisms). The course emphasizes technical aspects of chemistry relating to everyday processes and industrial and environmental applications. **Prerequisite:** MATH BA or equivalent. **Recommended:** Reading Level 5 or 6. **Hours:** 54 lect, 18 disc, 36 lab. Field trips may be required. **CCS:** Liberal

Arts & Sciences. **Transferable:** CSU and private colleges. BC GE B.1; CSU GE B.1, B.3.

CHICANO STUDIES**CHST B20ma Mariachi Ensemble (1 unit)**

Practical experience in Mariachi Ensemble. **Hours:** 54 lab. Field trips may be required. **Repeat:** 3. **CCS:** Liberal Arts & Sciences. **Transferable:** UC, CSU and private colleges. **Note:** Elective credit only. Not open to students who have taken the equivalent course, MUSC B20ma.

CHST B30a Early Chicano History (3 units)

A survey of the history of the peoples of the Mexican-American borderlands, from Pre-Columbian times until 1848. Examines the social, economic, and political evolution of the region with emphasis upon the inter-relationships between the histories of the United States and Mexico. Partially satisfies the requirements in U.S. Constitution, American history and institutions. **Recommended:** English 1 and Reading Level 5 or 6. **Hours:** 54 lect. **CCS:** Liberal Arts & Sciences. **Transferable:** UC, CSU and private colleges. **Note:** Not open to students who have taken the equivalent course, HIST B30a. BC GE D.2, D.3; CSU GE D.3, D.6; IGETC 3.B, 4.

CHST B30b History of Chicanos in the Southwest (3 units)

Survey of the Chicanos and the United States with an emphasis on the development of California and the Southwest from 1848 to the present. Examines significant events in at least 100 years of U.S. history, the relationship of regions within the U.S. area, the relationship with external regions and powers, the role of major ethnic groups, the continuity of American experience and the derivation from other cultures. Also examines the aftermath of the U.S. Mexican War, 1846-1848, the interrelationship of Mexican and U.S. history between 1860 and 1910; the effects of the Mexican Revolution of 1910 on the 20th century experience of Chicanos in the U.S., and the study of the California State Constitution. Partially satisfies the requirements in U.S. Constitution, American history and institutions. **Recommended:** Eligibility for English 1 and Reading Level 5 or 6. **Hours:** 54 lect. **CCS:** Liberal Arts & Sciences. **Transferable:** UC, CSU and private colleges. **Note:** Not open to students who have taken the equivalent course, HIST B30b. BC GE D.2, D.3; CSU GE D.3, D.6; IGETC 3.B, 4.

CHST B30e Art of Latin America (3 units)

This course is a historical survey of the arts in Latin America. The focus is on the Spanish-speaking regions of the Americas, as well as Cuba and the Dominican Republic. Students examine artistic contributions by Latin American artists to colonial and modern art forms. **Recommended:** Reading Level 5 or 6. **Hours:** 54 lect. **CCS:** Liberal Arts and Sciences. **Transferable:** UC, CSU and private colleges. **Note:** Not open to students who have taken the equivalent course, ART B30e. BC GE C; CSU GE C.1; IGETC 3.A.

requirements of C.P.O.S.T. **Recommended:** Reading Level 5 or 6. **Hours:** 54 lect. **CCS:** Occupational Education. **Not Transferable:** Associate Degree only.

CROP SCIENCE

See Agriculture

DANCE

Credit limitations may apply. For specific information see a counselor or the transfer institution. UC campuses give a maximum of four semester units of credit for physical education activity courses.

DANC B6Lb Beginning Ballet (1 unit)

Coeducational beginning ballet course, includes proper warm-up exercise, technical skills and terminology. **Hours:** 54 participation. **Repeat:** 3. **CCS:** Liberal Arts & Sciences. **Transferable:** CSU and private colleges. **Note:** Same as PHED B6Lb; BC GE E; CSU GE C.1.

DANC B6jd Jazz Dance (1 unit)

Fundamental jazz dance techniques and fundamentals and terminology of ballet as they relate to jazz dance including warm-up exercises for the preparation of the human body as an instrument for dance. Different styles and rhythms of jazz dance and music for jazz dance will be introduced. **Hours:** 36 participation. **Repeat:** 3. **CCS:** Liberal Arts & Sciences. **Transferable:** CSU and private colleges. **Note:** Same as PHED B6jd. BC GE E; CSU GE C.1.

DANC B6md Modern Dance (1 unit)

Modern dance as a lifelong physiological, psychological and social activity. A coeducational course in which the student will learn warm-ups, techniques, experience with movement improvisation and develop a knowledge of the elements of dance composition. **Hours:** 36 participation. **Repeat:** 3. **CCS:** Liberal Arts & Sciences. **Transferable:** CSU and private colleges. **Note:** Same as PHED B6md. BC GE E; CSU GE C.1.

EARTH SCIENCE

ERSC B10 Introduction to Earth Science (3 units)

Introduction to the fundamentals of Earth Science, including the solid Earth, atmosphere and hydrosphere, and the solar system. Studies interactions between Earth's systems including the rock cycle, weathering, the hydrologic cycle and climate. **Prerequisite:** Reading level 5 or 6. **Hours:** 54 lect. **CCS:** Liberal Arts and Sciences. **Transferable:** UC, CSU and private colleges. BC GE B.1; CSU GE B.1; IGETC 5.A.

ERSC B10L Earth Science Laboratory (1 unit)

Exercises designed around lecture and text topics from Earth Science 10. Lab work will include the identification of rocks and minerals, the rock cycle, weather systems and the effect of weather on landforms, reading and interpreting topographic maps, ocean systems and the solar system. **Prerequisite:** ERSC B10 (may be taken concurrently). **Hours:** 54 lab. **CCS:**

Liberal Arts and Sciences. **Transferable:** UC, CSU and private colleges. BC GE B.1; CSU GE B.3; IGETC 5.A.

ECONOMICS

ECON B1 Principles of Economics-Micro (3 units)

Principles of economic analysis and decision making from the viewpoint of the individual consumer, worker, and firm. Emphasis on the price system allocation of resources and income, supply and demand analysis, the structure of American industry, and applications to current economic policy and problems. **Recommended:** Eligibility for ENGL B1, Reading Level 5 or 6, MATH BA. **Hours:** 54 lect. **Offered:** F, S. **CCS:** Liberal Arts & Sciences. **Transferable:** UC, CSU and private colleges. CAN ECON 4; BC GE D.2; CSU GE D.2; IGETC 4.

ECON B2 Principles of Economics-Macro (3 units)

Principles of economic analysis and decision making from the viewpoint of the society. Emphasizes national income analysis, unemployment, inflation, economic growth, fiscal and monetary policies, international trade, and applications to current economic policy and problems. **Recommended:** Eligibility for ENGL B1, Reading Level 5 or 6, MATH BA. **Hours:** 54 lect. **Offered:** F, S. **CCS:** Liberal Arts & Sciences. **Transferable:** UC, CSU and private colleges. CAN ECON 2; BC GE D.2; CSU GE D.2; IGETC 4.

EDUCATION

EDUC B24 Early Field Experience for Elementary Teachers (2.5 units)

Introduction to the elementary classroom. Provides an opportunity of observation and participation in an elementary classroom setting to explore teaching as a profession. Satisfies the 0.5 unit educational planning requirement for graduation from Bakersfield College. **Recommended:** English Level 5, Reading Level 5 or 6. **Hours:** 36 lect/disc, 36 hours arranged. Field trip required. **Offered:** F, S. **CCS:** Liberal Arts and Sciences. **Transferable:** UC, CSU and private colleges.

EDUC B77 Concepts and Tools for Online Learning (3 units)

This course introduces online instructors to basic learning theory and the technological tools for use in the online teaching environment, including tools and principles of web development, web based and online communication tools, and other tools for online teaching. **Hours:** 36 lect, 54 lab. **Repeat:** 3. **CCS:** Occupational Education. **Not Transferable:** Not Degree Applicable.

ELECTRONICS TECHNOLOGY

Credit limitations may apply. For specific information see a counselor or the transfer institution.

ELET B1 Basic Electronics (DC and AC) (4 units)

Introduction to electricity and electronics including direct current components, electronic circuit calculations, basic

FRENCH**FREN B1 Elementary French (5 units)**

Introduction to French language and culture by means of a program that combines video, audio and print media into an integrated method of 'planned immersion.' Emphasis is on communication in the language with special attention given to listening comprehension and pronunciation. Requires practice with audiotape program outside of regular class time. **Recommended:** Reading Level 5 or 6. **Hours:** 90 lect. **Offered:** F. **CCS:** Liberal Arts & Sciences. **Transferable:** UC, CSU and private colleges. CAN FREN 2; FREN B1+B2 = CAN FREN SEQ A; BC GE C; CSU GE C.2; IGETC 6.

FREN B2 Elementary French (4 units)

Continuated study of French language and culture using the 'planned immersion' approach begun in FREN B1. Listening comprehension and pronunciation continue to be emphasized, along with the development of writing skills. Requires practice with audiotape program outside of regular class time. **Prerequisite:** FREN B1 or two years of high school French. **Hours:** 72 lect. **Offered:** S. **CCS:** Liberal Arts & Sciences. **Transferable:** UC, CSU and private colleges. CAN FREN 4; FREN B1+B2 = CAN FREN SEQ A; BC GE C; CSU GE C.2; IGETC 3.B, 6.

FREN B3 Intermediate French (4 units)

Reading selections present modern French writers and aspects of French culture. Continues the multi-media program begun in FREN B1 and FREN B2 with increased emphasis on reading and writing. Requires practice with audiotape program outside of class. **Prerequisite:** FREN B2, three years of high school French or evaluation by instructor of student's French skills. **Hours:** 72 lect. **Offered:** F. **CCS:** Liberal Arts & Sciences. **Transferable:** UC, CSU and private colleges. FREN B3+B4 = CAN FREN SEQ B; BC GE C; CSU GE C.2; IGETC 3.B, 6.

FREN B4 Intermediate French (4 units)

Grammar review and presentation of some of the more complex structures. Emphasis is on reading and writing along with oral communication. Requires practice with audiotape program outside of class. Completes the multi-media program for college French. **Prerequisite:** FREN B3 or four years of high school French or evaluation by instructor of student's French skills. **Hours:** 72 lect. **Offered:** S. **CCS:** Liberal Arts & Sciences. **Transferable:** UC, CSU and private colleges. FREN B3+B4 = CAN FREN SEQ B; BC GE C; CSU GE C.2; IGETC 3B, 6.

GEOGRAPHY**GEOG B1 Physical Elements of Geography (3 units)**

A study of the basic elements of physical geography and the world as a system. Important elements include the atmosphere, weather and climate, geomorphology, and Earth's structure. The main goal of the course is to provide students with a greater understanding and appreciation for their physical environment, with special attention given to terrestrial relationships.

Recommended: Reading Level 5 or 6. **Hours:** 54 lect.

Offered: F, S. **CCS:** Liberal Arts & Sciences. **Transferable:** UC, CSU and private colleges. CAN GEOG 2; BC GE B.1; CSU GE B.1; IGETC 5.A.

GEOG B1L Physical Geography Laboratory (1 unit)

Designed to demonstrate how material presented in GEOG B1 can be applied in a working environment. The assignments are designed to help students understand and apply the concepts learned in the lecture to real world problems. Exercises include using an atlas, coordinate systems, earth-sun relationships, weather and climate analysis, and topographic map interpretation. **Prerequisite:** GEOG B1 (may be taken concurrently). **Recommended:** Reading Level 5 or 6. **Hours:** 54 lab **Offered:** F, S. **CCS:** Liberal Arts & Sciences. **Transferable:** UC, CSU and private colleges. BC GE B.1; CSU GE B.1, B.3; IGETC 5.A.

GEOG B2 Human Geography (3 units)

Human Geography is designed to demonstrate how people interact with their environment. Special emphasis will be placed on concepts such as population, movement, cultures, and civilizations. Economic factors affecting people's lives and religion will also be emphasized. **Recommended:** Reading Level 5 or 6. **Hours:** 54 lect. **CCS:** Liberal Arts and Sciences. **Transferable:** UC, CSU and private colleges. CAN GEOG 2; BC GE B.1; CSU GE D.5; IGETC 4.

GEOG B3 Introduction to Weather and Climate (3 units)

Introduction to Weather and Climate focuses on changes in weather and climate patterns throughout the world. Special emphasis will be given to atmospheric phenomena such as El Nino, hurricanes, tornadoes, and weather mapping. In addition, atmospheric forces such as the pressure gradient and coriolis force will be discussed in detail. **Recommended:** Reading Level 5 or 6. **Hours:** 54 lect. **CCS:** Liberal Arts and Sciences. **Transferable:** UC, CSU and private colleges. BC GE B.1, CSU B.1, IGETC 5A.

GEOLOGY

Credit limitations may apply. For specific information see a counselor or the transfer institution.

GEOL B1a Physical Geology (4 units)

An introduction to the principles of geology with emphasis on the structure and origin of the earth, its present and past landscapes and the processes at work changing its surface. Includes identification of rocks and minerals, topographic and geologic map exercises demonstrating the work of water, wind, ice and gravity and effects of volcanism and earthquakes. **Prerequisite:** Reading Level 5 or 6. **Hours:** 54 lect, 54 lab. At least 1 Saturday field trip or equivalent required. **Offered:** F, S. **CCS:** Liberal Arts & Sciences. **Transferable:** UC, CSU and private colleges. **Note:** Not open to students who have taken the equivalent course, GEOL B10 and B10L. CAN GEOL 2; BC GE B.1; CSU GE B.1, B.3; IGETC 5.A.

GEOL B10 Introduction to Geology (3 units)

An introduction to the principles of geology with emphasis on the structure and origin of the earth, its present and past landscapes and the processes at work changing its surface. Students desiring laboratory experience should either substitute GEOL B1a or enroll in GEOL B10L concurrently with GEOL B10. **Prerequisite:** Reading Level 5 or 6.

Hours: 54 lect. At least one Saturday field trip or equivalent required. **Offered:** F, S. **CCS:** Liberal Arts & Sciences.

Transferable: UC, CSU and private colleges. **Note:** Not open to students who have taken GEOL B1a. BC GE B.1; CSU GE B.1; IGETC 5.A.

GEOL B10L Introduction to Geology Laboratory (1 unit)

Exercises planned to accompany the lectures of GEOL B10. Identification of rocks and minerals, topographic and geologic map exercises demonstrating the work of water, wind, ice and gravity and effects of volcanism and earthquakes. Designed for students preparing to teach in the elementary grades and for all non-science majors. **Prerequisite:** GEOL B10 (may be taken concurrently). **Recommended:** Reading Level 5 or 6. **Hours:** 54 lab. Field trip required. **Offered:** F, S. **CCS:** Liberal Arts & Sciences. **Transferable:** UC, CSU and private colleges. BC GE B.1; CSU GE B.1, B.3; IGETC 5.A.

GEOL B12 Geology of California (3 units)

An elementary course dealing with the geologic history, structure, topography and mineral resources of California and adjoining areas. **Prerequisites:** GEOL B1a or GEOL B10 or ERSC B10, Reading Level 5 or 6. **Hours:** 54 lect. A Saturday field trip or equivalent may also be required. **CCS:** Liberal Arts & Sciences. **Transferable:** UC, CSU and private colleges.

GEOL B21 Topics in Geology (1-3 units)

An introductory study of the various geological processes that shape the Earth. For each class offering students will focus on one particular area of geology, such as structures and earthquakes, rocks and minerals, geology of Sequoia National Park, geology of Joshua Tree National Park, geology of Death Valley, geology of Yosemite National Park, or other similar subjects. Students will learn about the processes and forces that created these areas and be able to apply their knowledge and understanding to other geological formations around the world. **Recommended:** Reading level 5 or 6. **Hours:** 18 per unit. Field trips required. **Repeat:** 3. **CCS:** Liberal Arts and Sciences. **Transferable:** CSU and private colleges.

GEOL B35a Rocks and Minerals (1 unit)

A study of rocks and minerals. Students will learn to identify the major rock-forming minerals and to recognize their relationships as components of the various classes of rocks. From the identification of rocks, recognition of the environmental conditions of deposition will follow. Field work will allow the examination of field relationships of various rocks and the beginning of a collection of rock and mineral specimens. **Recommended:** Reading Level 5 or 6. **Hours:** 18

lect/lab. Field trip required. **CCS:** Liberal Arts & Sciences.

Transferable: CSU and private colleges. **Note:** elective credit only.

GEOL B35b Geology of Kern County (1 unit)

A study of the geologic history and landforms of Kern County, and the geologic forces and processes that created them. As part of this course, students will learn about many of the different rocks and minerals of Kern County, tectonic activity and mountain building, volcanic activity, earthquakes and weathering. From materials presented, students will be able to understand the geologic forces that shaped Kern County. A field trip is required that will permit the examination and recognition of different geological environments. **Recommended:** Reading Level 5 or 6. **Hours:** 18 lect/lab. Field trip required. **CCS:** Liberal Arts & Sciences. **Transferable:** CSU and private colleges. **Note:** elective credit only.

GERMAN**GERM B1ab Elementary German (5 units)**

B1a-B1b (2.5-2.5) equivalent to B1ab.

This course caters to those with no prior knowledge of German. The course is based on the communicative approach which provides the student with elementary communication experience, vocabulary, and grammar structure based on the dialogues and the listening and reading exercises in the textbook. This course is designed to develop understanding, speaking, reading, and writing components of current German. Requires practice with audiotape program outside of class. **Prerequisite:** B1b: GERM B1a. **Recommended:** Reading Level 5 or 6. **Hours:** 90 lect. **CCS:** Liberal Arts & Sciences. **Transferable:** UC, CSU and private colleges. GERM B1a+B1b+B2 = CAN GERM SEQ A; BC GE C; CSU GE C.2; IGETC 6.

GERM B2 Elementary German (5 units)

German language and culture with continued emphasis on pronunciation, conversation, listening comprehension and writing skills. Requires practice with audio tapes outside of regular class time. **Prerequisite:** GERM B1ab or two years of high school German. **Recommended:** Reading Level 5 or 6. **Hours:** 90 lect. **CCS:** Liberal Arts & Sciences. **Transferable:** UC, CSU and private colleges. GERM B1a+B1b+B2 = CAN GERM SEQ A; BC GE C; CSU GE C.2; IGETC 3.B, 6.

GERONTOLOGY**GERO B8 Introduction to Social Gerontology (3 units)**

An introduction to social gerontology. Students from a variety of disciplines who work with the elderly or who have a special interest in the aging process will benefit from this course. Topics include historical and cross-cultural perspectives on aging; theories of aging; the biological, psychological, and social aspects of aging; current social and public policies; availability, delivery and use of services for the elderly; death, dying and bereavement and successful aging. **Recommended:** Reading Level 5 or 6, English Level 5. **Hours:** 54 lect.

opportunities in sport and fitness. Emphasis on using the natural and available local environment for sport and fitness activities. Designed to accommodate all levels of physical fitness and skill. **Hours:** 36 participation. **CCS:** Liberal Arts and Sciences. **Transferable:** CSU and private colleges. BC GE E.

PHYSICAL SCIENCE

Credit limitations may apply. For specific information see a counselor or the transfer institution.

PHSC B12 Physical Science (4 units)

Introduces facts, principles and laws from physics and chemistry. Includes motion, force, energy, electricity and magnetism, waves, atom, periodic laws, ions, solutions, chemical reaction, organic chemistry. **Recommended:** Reading Level 5 or 6. **Hours:** 54 lect, 54 lab. **CCS:** Liberal Arts & Sciences. **Transferable:** UC, CSU and private colleges. BC GE B.1; CSU GE B.1, B.3.

PHSC B21 Special Projects in Physical Science (0.5-3 units. Limit 3 units)

Individually directed work in a science, engineering or architecture area. Individual research problems using materials, equipment and techniques not available in larger classes. **Prerequisites:** Completion of a basic course in science, engineering, or drafting with a minimum grade of "C." **Recommended:** Reading Level 5 or 6. **Hours:** 27 directed study for each 0.5 unit. **Repeat:** 2, or until a limit of 3 units is reached. **CCS:** Liberal Arts & Sciences. **Transferable:** CSU and private colleges.

PHSC B35e Cup and Saucer Chemistry (1 unit)

An inexpensive approach to studying chemical happenings. Emphasizes a 'hands on' approach to doing and developing experience in chemistry that leads to an understanding of investigation, Metric, particle nature of matter, energy and the shape of things. **Recommended:** Reading Level 5 or 6. **Hours:** 18 lect/disc. **CCS:** Liberal Arts & Sciences. **Transferable:** CSU and private colleges.

PHSC B248ab Cooperative Work Experience Education (1-8 units. Limit 16 units)

See WEXP B248ab description.

PHSC B249ab Cooperative Work Experience Education (1-4 units. Limit 16 units)

See WEXP B249ab description.

PHYSICS

Credit limitations may apply. For specific information see a counselor or the transfer institution.

The introductory courses in Physics (Physics B2a-B2b or B4a-4c) and Chemistry (Chemistry B11, B2a or B1a-B1b) are designed to provide the basic foundation in and understanding of the laws and principles of the physical world (matter and energy) for all science, health science, and pre-professional majors. These courses should be completed early in a student's

academic program sequence of study to ensure greater academic success in subsequent courses in the student's field of interest and a more complete understanding of that field.

PHYS B2a General Physics - Mechanics and Heat (4 units)

The properties of matter, mechanics and heat. Emphasizes understanding laws, principles, and theories. Required for most science, pre-medical, most other pre-professional and technical majors. **Prerequisites:** MATH BD, MATH B1a (may be taken concurrently). **Recommended:** Reading Level 5 or 6. **Hours:** 54 lect, 18 disc, 54 lab. **CCS:** Liberal Arts & Sciences. **Transferable:** UC, CSU and private colleges. CAN PHYS 2; PHYS B2a+B2b = CAN PHYS SEQ A; BC GE B.1; CSU GE B.1, B.3; IGETC 5.A.

PHYS B2b General Physics - Sound, Light, Electricity, Magnetism, Modern Physics (4 units)

The properties of waves, sound, light, electricity, magnetism, atomic and nuclear physics. Emphasizes understanding laws, principles and theories. Required for most science, pre-medical, and most other pre-professional and technical majors. **Prerequisites:** MATH B1b (or old MATH BC), and either PHYS B2a or high school physics with a "C" or better. **Hours:** 54 lect, 18 disc, 54 lab. **CCS:** Liberal Arts & Sciences. **Transferable:** UC, CSU and private colleges.

PHYS B4a Mechanics and Wave Motion (4 units)

The first in a sequence of three semester courses required of physics, engineering, and other majors requiring a thorough physics background. Includes vectors, kinematics, dynamics, momentum, energy, rotation, gravitation, oscillations, fluids, and wave motion. **Prerequisite:** MATH B6a. **Recommended:** Reading Level 5 or 6. **Hours:** 54 lect, 18 disc, 54 lab. **Offered:** S. **CCS:** Liberal Arts & Sciences. **Transferable:** UC, CSU and private colleges. CAN PHYS 8; PHYS B4a+B4b+B4c = CAN PHYS SEQ B; BC GE B.1; CSU GE B.1, B.3; IGETC 5.A.

PHYS B4b Heat, Electricity and Magnetism (4 units)

The second in a three-semester calculus-based physics sequence required of physics, engineering, and other majors requiring a thorough physics background. Includes thermodynamics, electricity, magnetism, and electromagnetic oscillations and radiation. Emphasizes principles, laws and problem-solving. **Prerequisite:** PHYS B4a and MATH B6c (MATH B6c may be taken concurrently). **Hours:** 54 lect, 18 disc, 54 lab. **CCS:** Liberal Arts and Sciences. **Transferable:** UC, CSU and private colleges.

PHYS B4c Optics and Modern Physics (4 units)

The third in a 3-semester calculus-based physics sequence required of physics, engineering, and other majors requiring a thorough physics background. Includes geometric optics, physical optics, relativity, quantum physics, quantum mechanics, atomic and molecular physics, solid state physics, and nuclear. Emphasizes principles, laws, and problem solving. **Prerequisite:** PHYS B4b. **Recommended:**

Concurrent enrollment in MATH B6d. **Hours:** 54 lect, 18 disc, 54 lab. **CCS:** Liberal Arts and Sciences. **Transferable:** UC, CSU and private colleges.

POLITICAL SCIENCE

POLS B1 American Government: National, State and local (3 units)

A study of American government with emphasis on the national government. Includes a comprehensive analysis of governmental structure, functions, principles and problems. Includes analysis of California state and local governments. Partially satisfies the requirements in U.S. Constitution, American history and institutions and California state and local government. **Recommended:** Eligibility for English 1, Reading Level 5 or 6. **Hours:** 54 lect. **Offered:** F, S. **CCS:** Liberal Arts & Sciences. **Transferable:** UC, CSU and private colleges. CAN GOVT 2; BC GE D.2, D.3; CSU GE D.8; IGETC 4.

POLS B2 Comparative Government (3 units)

A comparative analysis of government structures and the underlying economic, social, and cultural systems of the principal nations of the industrial world: United Kingdom, France, Federal Republic of Germany, Russia, and Japan. Additional emphasis on certain nations in sensitive geographic areas or countries whose size and developing economies make them important, such as the People's Republic of China, Brazil, Mexico, Israel, Egypt, India and Nigeria. **Recommended:** Eligibility for ENGL B1 and Reading Level 5 or 6. **Hours:** 54 lect. **Offered:** F. **CCS:** Liberal Arts & Sciences. **Transferable:** UC, CSU and private colleges. BC GE D.2; CSU GE D.8; IGETC 4.

POLS B3 International Politics (3 units)

Surveys the dynamics and ideologies of present-day international politics and rivalries. Development of the national state system and the evolution of the techniques and arts of diplomacy, and the causes of war. **Recommended:** Eligibility for English 1 and Reading Level 5 or 6. **Hours:** 54 lect. **Offered:** S. **CCS:** Liberal Arts & Sciences. **Transferable:** UC, CSU and private colleges. BC GE D.2; CSU GE D.8; IGETC 4.

POLS B5 Current Issues in American Government (1-2 units. Limit 6 units)

Study of special current events, such as elections, impeachment proceedings, public policies, or Constitutional revisions. Offered only as such events occur. **Hours:** 18 lect for each unit. **Repeat:** 3 or until a limit of 6 units is reached. **CCS:** Liberal Arts & Sciences. **Transferable:** CSU and private colleges.

POLS B6 Introduction to Behavioral and Social Science Research (3 units)

Emphasizes behavioral and social science research, including research design, data collection and analysis, and the development of basic computer skills. Students will collect and analyze data from experiments, questionnaires, polls and a variety of methodologies. **Recommended:** PSYC B5 or MATH

B22, Reading Level 5 or 6, English Level 5. **Hours:** 54 lect. **CCS:** Liberal Arts & Sciences. **Transferable:** UC, CSU and private colleges. **Note:** Not open to students who have taken the equivalent courses, PSYC B6 or BEHS B6.

POLS B12 Contemporary Issues in California State and Local Government (3 units)

Analysis of the role of state and local governments, with special emphasis directed to the history and development of these institutions; the state and local political environment; party, interest group, citizen and media inputs; current problems and changing functions affecting local governments. Partially satisfies the requirements in U.S. Constitution, American history and institutions. **Recommended:** Eligibility for English 1, Reading Level 5 or 6. **Hours:** 54 lect. **Offered:** F. **CCS:** Liberal Arts & Sciences. **Transferable:** CSU and private colleges. BC GE D.2, D.3; CSU GE D.8.

POLS B16 Vital Political Problems (3 units)

Examination of major political problems challenging the United States today. Emphasis on class discussion and individual analysis of controversial topics involving political policy in the context of the study of political science. **Recommended:** Eligibility for English 1 and Reading Level 5 or 6. **Hours:** 54 lect. **Offered:** S. **CCS:** Liberal Arts & Sciences. **Transferable:** UC, CSU and private colleges. BC GE D.2; CSU GE D.8; IGETC 4.

POLS B42ab Principles of Leadership: Theories, Styles and Realities (2-2 units)

Introduction to the dynamics of working groups and the impact of leadership on the effectiveness of groups; examination of the linkage between concepts and theories of leadership to the everyday functioning of student organizations; understanding of the role played by structure and governance models in organizational effectiveness. Specific instruction in the principles of administration of: the co-curricular activities; ASBC finances, including budgetary procedures and parliamentary procedures and group dynamics. One hour each week is devoted to a student body and/or business meeting and one hour to in-class instruction. Student officers serving their first term are required by ASBC By-Laws to enroll in this course. **Hours:** 18 lect, 18 lab for each 2 unit course. **CCS:** Liberal Arts and Sciences. **Transferable:** CSU and private colleges. **Note:** Elective credit only.

PSYCHOLOGY

Credit limitations may apply. For specific information see a counselor or the transfer institution.

PSYC B1a General Psychology (3 units)

An introduction to the scientific study of behavior. Emphasizes perceptions, thinking, motivation, emotion, intelligence and learning; designed to contribute significantly to the general education of all students as well as to provide a basis for further study in the field of psychology. Major emphasis is placed upon general psychological principles. **Recommended:** English Level 5 and Reading level 5 or 6. **Hours:** 54 lect. **CCS:** Liberal