

CHEM 30B Elementary Organic and Biochemistry**Units:** 4.0 **Hours:** 3.0 Lecture and 3.0 Laboratory**Transferable:** CSU-GE:B1, CSU-GE:B3, IGETC:5A, IGETC:5C, GAV-GE:B1, GAV-GE:B3

This is the second semester of a year-long elementary chemistry course designed as a continuation of Chemistry 30A. It is designed for science majors, nursing and allied health students. The course will cover the principles of organic and biochemistry including hydrocarbons, alcohols, aldehydes and ketones, carboxylic acids, amines and amides, carbohydrates, lipids, proteins and their functions in physiological systems, as well as organic chemical reactions. **PREREQUISITE:** Chemistry 30A with a grade of C or better.

CHILD DEVELOPMENT**CD 1 Principles and Practices of Early Childhood Education****Units:** 3.0 **Hours:** 3.0 Lecture

An overview of the developing child, current theories and research within the context of family, school, and community, and a historical perspective on the development of early childhood programs which are developmentally appropriate. The processes of socialization and identity development will be highlighted. This class is appropriate for students wanting to work with young children in a variety of programs, including infant-toddler, preschool, transitional kindergarten, and kindergarten. Observations in schools are to be arranged. (C-ID: ECE 120) **ADVISORY:** Eligible for English 250 and English 260.

CD 2 Early Child Development**Units:** 3.0 **Hours:** 3.0 Lecture**Transferable:** CSU-GE:D, IGETC:4I, GAV-GE:D2, GAV-GE:E2

This course examines typical and atypical development within the psychosocial, cognitive, and physical domains from conception through the preschool years. Upon completion of this course, students will be able to evaluate theories and research of child development and effectively apply and communicate their understanding through observation and evaluation. This course is also listed as PSYC 2. This course has the option of a letter grade or pass/no pass. (C-ID: CDEV 100: CD 2 + CD 3) **ADVISORY:** Eligible for English 1A; transfer students consult with advisor.

CD 3 Child Growth and Development During the School Years**Units:** 3.0 **Hours:** 3.0 Lecture**Transferable:** CSU-GE:D, IGETC:4I, GAV-GE:D2, GAV-GE:E2

This course examines typical and atypical development within the psychosocial, cognitive, and physical domains from middle childhood through adolescence. Upon completion of this course, students will be able to evaluate theories and research of child development and effectively apply and communicate their understanding through observation and evaluation. This course has the option of a letter grade or pass/no pass. This course is also listed as PSYC 3. (C-ID: CDEV 100: CD 2 + CD 3) **ADVISORY:** Eligible for English 1A; transfer students consult with advisor.

CD 4 Observing and Assessing Children**Units:** 3.0 **Hours:** 3.0 Lecture

Provides training in a variety of naturalistic and formal observation techniques, and discusses the use of standardized testing in children. Students learn to use formal observation tools, make a case study portfolio and give a parent conference. Observing children in classroom settings is required. This course has the option of a letter grade or pass/no pass. (C-ID: ECE 200) **ADVISORY:** Eligible for English 1A; transfer students consult with advisor.

CD 5 Child, Family and Community**Units:** 3.0 **Hours:** 3.0 Lecture

An examination of the developing child in a societal context focusing on the interrelationship of family, school and community and emphasizing historical and socio-cultural factors. Discussing patterns of development, childrearing, and the value of education in contemporary American society. Highlights the processes of socialization and identity development, showing the importance of respectful, reciprocal relationships that support and empower families and respond to all children's developmental needs. (C-ID: CDEV 110) **ADVISORY:** Eligible for English 250 and English 260.

CD 6 Games and Rhythms for Children**Units:** 3.0 **Hours:** 3.0 Lecture

Nature, function and organization of physical activities for the preschool and elementary school age child. Emphasis is given to the understanding of psychomotor development and spatial awareness. Designed for those planning to work with children. Also listed as Kinesiology 6. This course has the option of a letter grade or pass/no pass. **ADVISORY:** Eligible for English 250 and English 260.

CD 7 Cultural Context of Child and Family in a Diverse Society**Units:** 3.0 **Hours:** 3.0 Lecture**Transferable:** CSU-GE:D, GAV-GE:D2, GAV-GE:F

Examines cultural influences on child-rearing practices, family values, and human development. Perspectives from the social sciences will be used to critique and review theoretical and practical implications of oppression and privilege as they apply to families, schools, and communities, including historical and socio-cultural factors. The processes of socialization and identity development, and the importance of respectful, reciprocal relationships that support and empower families. Self-examination and reflection on issues related to social identity, stereotypes and bias, social and educational access, media and schooling. Also listed as PSYC 7. (C-ID: ECE 230) **ADVISORY:** Eligible for English 250 and English 260.

CD 8A American Education in a Changing World**Units:** 3.0 **Hours:** 3.0 Lecture**Transferable:** GAV-GE:F

This course provides an overview of education in the United States. It examines the issues, problems, and solutions to teaching in a pluralistic society by viewing schools as social institutions that reflect the values and dynamics of a society. It focuses on the history, politics, theories and approaches to teaching culturally and linguistically diverse children and analyzes career opportunities and new directions in education. For students who wish to expand their knowledge of education in America, and those who wish to explore careers in teaching. This course includes a Service Learning component that will encourage students to explore and apply concepts from the class. This course has the option of a letter grade or pass/no pass.

CD 8B Teaching Reading and Writing to Children**Units:** 3.0 **Hours:** 3.0 Lecture**Transferable:** GAV-GE:F

This course is designed to teach prospective teachers how a child learns to read and write successfully in school. Specific techniques will be taught. Students will be expected to work 24 hours with a child or children in order to practice their skills and techniques. This course has the option of a letter grade or pass/no pass. **ADVISORY:** Completion of English 250, English 260 or equivalent.

CD 8C Introduction to Elementary Education**Units:** 3.0 **Hours:** 3.0 Lecture

This course introduces students to the concepts and issues related to teaching diverse learners in today's contemporary schools, Kindergarten through grade 12 (K-12). Topics include teaching as a profession and career, historical and philosophical foundations of the American education system, contemporary educational issues, California's content standards and frameworks, and teacher performance standards. In addition to class time, the course requires a minimum of 45 hours of structured fieldwork in public school elementary classrooms that represent California's diverse student population, and includes cooperation with at least one carefully selected and campus-approved certificated classroom teacher. (C-ID: EDUC 200) **ADVISORY:** English 1A

CD 9 Child Health, Nutrition and Safety**Units:** 3.0 **Hours:** 3.0 Lecture

The key components that promote physical health, mental health and safety for both children and staff will be identified along with the importance of collaboration with families and health professionals. Introductions to the laws, regulations standards, policies and procedures and early childhood curriculum related to child health safety and nutrition. Focus on integrating the concepts into curriculum planning and program development for all children. Poison prevention, fire and earthquake safety and emergency preparedness is covered. This course may be taken for a letter grade or pass/no pass. (C-ID: ECE 220) ADVISORY: Eligible for English 250 and English 260.

CD 10 Children with Special Needs**Units:** 3.0 **Hours:** 3.0 Lecture

An introductory course in which includes a survey of special needs such as learning disabilities, emotional disturbances, developmental delays, physical limitations, cognitive differences, and giftedness. Students will study the influences of history and society, of special education and legislation in the USA, ethical assessment and family-based intervention techniques, diversity and family issues, advocacy for special needs children, and the use of technology in special education environments. This course has the option of a letter grade or pass/no pass. ADVISORY: Eligible for English 250 and English 260. Completion of CD 2.

CD 11A Administration of Programs for Young Children**Units:** 3.0 **Hours:** 3.0 Lecture**Transferable:** GAV-GE:F

The principles and practices of the organization and administration of facilities for preschool aged children. Areas covered include organizational structure, budgeting, personnel policies and practices, records, statistics, reporting, relationship with community resources, regulatory agencies, and parents. ADVISORY: Child Development 1 and 2.

CD 11B Leadership and Administration of Early Childhood Programs**Units:** 3.0 **Hours:** 3.0 Lecture**Transferable:** GAV-GE:F

This course is designed to meet the State Department of Education requirements for directors of publicly funded child development programs, and the Supervisory Child Development Permit. Topics covered include development of personnel policies that reflect the philosophy, goals and objectives of the program; effective strategies for personnel management and leadership; classroom management and record keeping; assessment and curriculum planning; and parent involvement/education. Financial record keeping will be discussed from the perspective of the granting agency. ADVISORY: Completion of 12 units in Child Development or working in an administrative capacity in a children's program.

CD 11C Adult Supervision and Mentoring in Early Childhood Program**Units:** 2.0 **Hours:** 2.0 Lecture

A study of the methods and principles of supervising student teachers, volunteers, staff and other adults in early childhood programs. Emphasis is on the roles and development of early childhood professionals as mentors and leaders. This course meets the requirement for the State Development Permit matrix: "2 unit adult supervision class" and Mentor Teacher program. Lectures, discussions, in class and out of class activities, role-play simulations, readings, individual and group assignments as well as video and guest presenters will be used. ADVISORY: Prefer that students meet the requirements for the State Child Development Teacher Permit or completion of a college-level course of study in child development or early childhood education, or equivalent, or permission of instructor.

CD 12 Technology Education for Teachers**Units:** 3.0 **Hours:** 3.0 Lecture

The uses of technology in education. Computer skills and terminology as well as other classroom technology will be taught in the context of teacher education. Students who successfully complete this course will gain general and specific skills and knowledge required to meet the Technology Standard for Multiple and Single Subject Credential Candidates. This course has the option of a letter grade or pass/no pass. This course is also listed as CSIS 9. ADVISORY: CSIS 122 Computer Keyboarding, or equivalent; English 250 with a grade of C or better.

CD 13 Infant and Toddler Development and Care**Units:** 3.0 **Hours:** 3.0 Lecture

Students will apply current theory and research to the care and education of infants and toddlers in group settings. Through studying the developmental stages of growth specific to infants and toddlers students will learn how to foster positive techniques for nurturing infants and toddlers in group settings. Students will examine essential policies, principles and practices that lead to quality care and developmentally appropriate curriculum for children birth to 36 months. This course has the option of a letter grade or pass/no pass. ADVISORY: Eligible for English 250 and English 260. Child Development 2.

CD 14A Working with School Age Children**Units:** 3.0 **Hours:** 3.0 Lecture

Students will learn the developmental characteristics of school aged children, issues relating to before and after school programs for children from kindergarten to grade eight, and specific details of administering and leading such a program. Other topics include recreation versus academic enrichment, staffing requirements, age groupings, program content, and community resources. This course has the option of a letter grade or pass/no pass. ADVISORY: Eligible for English 250 and 260. Child Development 3.

CD 14B Behavior Management Strategies for School Age Classrooms**Units:** 3.0 **Hours:** 3.0 Lecture

The nature of children's development stages causes school age children to act in different ways at different ages. This course helps students understand the relationship of development, environment, culture and social circumstances to children's behavior. This is an overview of guidance theories that analyze children's behaviors and lead to strategies for positive changes. This course is appropriate for those working with students in transitional kindergarten, kindergarten, and early education classrooms. This course has the option of a letter grade or pass/no pass. ADVISORY: English 250, English 260, and CD 3

CD 15 Music and Movement for Children**Units:** 1.0 **Hours:** 1.0 Lecture

An introduction to music and movement curriculum within the social, cultural, and developmental context of young children from diverse backgrounds. Students will have opportunities to use equipment, materials and resources in music and movement to develop appropriate curriculum and learning experiences integrating math, early literacy, and cultural concepts. ADVISORY: Eligible for English 250 and English 260.

CD 16 Exploring Mathematics with Children**Units:** 1.0 **Hours:** 1.0 Lecture

Introduces the excitement and extensiveness of math experiences for children and presents an organized, sequential approach for developing a math curriculum. Students develop a folder of math activities for children aged 2-8. ADVISORY: Eligible for English 250 and English 260.

CD 17 Exploring Science with Children**Units:** 1.0 **Hours:** 1.0 Lecture

Learn to teach a coordinated science curriculum covering life, natural and physical science concepts familiar and interesting to children age 2-8. Using easily found or low-cost materials and the Socratic method of questioning are primary strategies for developing reasoning skills and science concepts in children. ADVISORY: Eligible for English 250 or 260.

CD 18 The Outdoor Classroom**Units:** 3.0 **Hours:** 3.0 Lecture

In light of the evidence linking the lack of nature in children's lives to the rise in obesity, attention disorders, and depression, this course will teach participants how to create developmentally appropriate outdoor play and nature learning experiences for children from birth to age eight, ensure that outdoor environments are accessible and safe, and methodically observe and assess children's outdoor play. ADVISORY: Eligible for English 250 and 260.

CD 19 Introduction to Careers with Children**Units:** 2.0 **Hours:** 2.0 Lecture

An overview of Department of Social Services and Department of Education regulations regarding early childhood professionals in California. Self-assessment techniques with emphasis on building relationships with children, families and colleagues. National standards, Code of Ethics, Public Policy and CA Early Childhood Foundations will be discussed as essential ingredients for effective early childhood programs. This course has the option of a letter grade or pass/no pass. ADVISORY: Eligible for English 250 and English 260.

CD 20 Children's Language and Literature**Units:** 3.0 **Hours:** 3.0 Lecture

A developmental view of children's language and literacy learning in a framework of children's literature. Students will be presented with steps in children's literacy learning in order to help them organize classrooms and plan activities to support the growth of writing and reading. Students will study historical trends in children's literature and participate in practical experiences and activities that use a wide range of techniques and materials for advancing language comprehension and usage. This course has the option of a letter grade or pass/no pass. ADVISORY: Eligible for English 250 and English 260.

CD 25A Art Methods**Units:** 3.0 **Hours:** 2.0 Lecture and 4.0 Laboratory**Transferable:** CSU-GE:C1, GAV-GE:C1

Art methods and learning theory for those planning to work with preschool, elementary and secondary students. Includes art therapy as well as gifted and special learner projects. Two dimensional work in printing, painting, drawing, collage. Also listed as ART 25A.

CD 25B Art Methods**Units:** 3.0 **Hours:** 2.0 Lecture and 4.0 Laboratory**Transferable:** GAV-GE:C1

Art methods, creativity and learning theory for those planning to work with preschool, elementary, and secondary school students. Includes art therapy as well as gifted and special learner projects. Three dimensional work in sculpture, bas relief, mobiles, paper mache', plaster, and various 3-D materials. Also listed as ART 25B.

CD 28A Child Development and Guidance for Family Child Care**Units:** 1.0 **Hours:** 1.0 Lecture

An overview of the development of young children from pre-birth through age twelve, primarily designed for the family child care provider or foster parent. Students will be exposed to appropriate expectations and developmentally appropriate learning experiences for each stage of development. Six 3-hour sessions, or may be taught on three Saturdays. This course has the option of a letter grade or pass/no pass.

CD 28B Developing Learning Activities for Family Child Care**Units:** 1.0 **Hours:** 1.0 Lecture

A practical curriculum development course for child care providers. Includes a brief overview of children's learning processes and practical activities. Students will study appropriate curriculum for infants, toddlers, preschool, and school-age children in all areas of development. Students will learn how to set up a family child care environment. This course has the option of a letter grade or pass/no pass.

CD 28C Administering A Family Child Care Home**Units:** 1.0 **Hours:** 1.0 Lecture

Learning to establish and enforce contracts and policies, marketing your business, being professional in a caring profession, child abuse reporting requirements, licensing regulations, and the basics of record keeping techniques for family child care. Six 3-hour sessions, or may be taught on three Saturdays. This course has the option of a letter grade or pass/no pass.

CD 30A Practicum I - EC Field Experience/Reflective Practice Seminar**Units:** 4.0 **Hours:** 2.0 Lecture and 6.0 Laboratory

In this course the student will practice and demonstrate developmentally appropriate early childhood program planning and teaching competencies under the supervision of ECE/CD faculty and other qualified early education professionals. Students will utilize practical classroom experiences to make connections between theory and practice, develop professional behaviors, and develop professional behaviors working with children and families. Child centered, play oriented approaches to teaching, learning and assessment; and knowledge of curriculum content areas will be emphasized as student teachers design, implement and evaluate experiences that promote positive development and learning for all young children. (C-ID: ECE 210) ADVISORY: English 1A. PREREQUISITE: Completion of CD 1, CD 2 or CD/PSDYC 40, CD 5 or CD 7, and CD 32, with a grade of "C" or better.

CD 30B Practicum II: Advanced Early Childhood/TK Field Experience**Units:** 4.0 **Hours:** 2.0 Lecture and 6.0 Laboratory

Advance practicum, continuation of CD 30A. Designed for students at the end of their Early Childhood certificate program and/or Transitional Kindergarten certificate program. Student teachers will participate in 108 hours of supervised clinical practice. Designing, developing and implementing contemporary curriculum and instructional methods for early childhood education/transitional kindergarten programs. PREREQUISITE: Completion of Child Development CD 30A with a grade of "C" or higher.

CD 31 Tutoring School-Age Children**Units:** 1.0 **Hours:** 1.0 Lecture

An introductory course for students who wish to work as tutors in classroom settings. Students will gain and apply skills needed to function within a public school setting and develop effective strategies for helping children learn to read and write. Additionally, students will be encouraged to explore related career options, while developing and practicing social awareness and the ability to learn from field experiences in a self-directed manner. This course has the option of a letter grade or pass/no pass.

CD 32 Introduction to Curriculum**Units:** 3.0 **Hours:** 3.0 Lecture

This foundational curriculum course presents an overview of knowledge and skills needed for designing curriculum and environments for infants and young children. Students examine the teacher's role in supporting development, fostering creativity, and modeling a joy of learning for children and parents. Students will design and implement a developmentally appropriate curriculum based on observation and assessments which emphasizes play in the learning centers for language, literacy, social, emotional, sensory, art, perceptual development, math, and science. Students complete an activity portfolio of observations, curriculum/environment plans as well as participate in skill demonstrations and observations. Previously listed as CD 21. (C-ID: ECE 130) ADVISORY: Eligible for English 250 and English 260.

CD 35 Establishing Positive Behavior in the Classroom**Units:** 3.0 **Hours:** 3.0 Lecture

Introduces the student to realistic and effective strategies for guiding all young children's behavior. This course demonstrates best practices for establishing and maintaining age and developmentally-appropriate productive behaviors among all children in a classroom setting. **ADVISORY:** Eligible for English 1A.

CD 36 Curriculum Strategies for Inclusive Classrooms**Units:** 3.0 **Hours:** 3.0 Lecture

This course covers curriculum and intervention strategies for working with children with special needs in partnership with their families. Students will use their observation, assessment and communication skills to meet the individualized needs of children in inclusive and natural environments. Includes the role of the teacher as a professional working with families, collaboration with interdisciplinary teams, and cultural competence. **ADVISORY:** Eligible for English 1A.

CD 40 Child Development**Units:** 3.0 **Hours:** 3.0 Lecture**Transferable:** CSU-GE:D, IGETC:4G, GAV-GE:D2

This course examines the development within the psychosocial, cognitive/language development, and physical domains, both typical and atypical, from conception through adolescence. There will be an emphasis on interactions between maturational processes and environmental factors. While studying developmental theory and investigative research methodologies, students will observe children, evaluate individual differences and analyze characteristics of development at various stages. This course is appropriate for those working with students in transitional kindergarten, kindergarten, and early education classrooms. Also listed as PSYC 40. (C-ID: CDEV 100) **ADVISORY:** Eligible for English 1A; transfer students consult with advisor.

CD 97 Introduction to Service Learning with Children**Units:** 3.0 **Hours:** 3.0 Lecture

Service Learning is a method through which community participation, academic subjects, skills, and awareness are linked. Through a combination of community-based learning experiences, reading and writing assignments, and classroom-based learning experiences, this course seeks to foster the development of self-reflective, culturally aware and responsive community participants. Students will complete a minimum of 30 hours of community service work during the semester. This course has the option of a letter grade or pass/no pass.

CD 98 Special Topics**Units:** .5 TO 3.0 **Hours:** .5 TO 3.0 Lecture

Special topics courses examine current problems or issues of interest to students within a specific discipline area. For topic content information, consult with the appropriate department chairperson. For transfer status, check with a counselor. This course has the option of a letter grade or pass/no pass and may be repeated three times for credit with different topics.

CD 160 Child Care First Aid and CPR**Units:** 1.0 **Hours:** 1.0 Lecture

First aid training to prepare child care professionals to meet the need of emergencies when medical assistance is delayed. Includes information on the prevention of childhood injuries and the prevention of communicable diseases including HIV/AIDS and the use of Universal Precautions. (Satisfies the California Community Care Licensing requirement for 15 hours of specialized health and safety training.) This is a pass/no pass course. \$12.00 course material fee.

CD 190 Occupational Work Experience, Child Development**Units:** 1.0 TO 4.0 **Hours:** 3.3 TO 16.7 Laboratory

Occupational work experience for students who have a job related to their work. A training plan is developed cooperatively between the employer, college and student. (P/NP grading) 75 hours per semester paid work = 1 unit. 60 hours non-paid (volunteer) work per semester = 1 unit. Student repetition is allowed per Title 5 Section 55253. Minimum 2.00 GPA. **REQUIRED:** Declared vocational major.

CD 191A Workplace Skills**Units:** 1.0 **Hours:** 1.0 Lecture

Workplace Skills teaches skills vital to workplace success. The topic for 191A is Interpersonal Communication. Need not be taken in sequence. This is a pass/no pass course.

CD 191B Workplace Skills**Units:** 1.0 **Hours:** 1.0 Lecture

Workplace Skills teaches skills vital to workplace success. The topic for 191B is Team Building. Need not be taken in sequence. This is a pass/no pass course.

CD 191C Workplace Skills**Units:** 1.0 **Hours:** 1.0 Lecture

Workplace Skills teaches skills vital to workplace success. The topic for 191C is Problem Solving. Need not be taken in sequence. This is a pass/no pass course.

CD 202 Early Child Development en Español**Units:** 3.0 **Hours:** 3.0 Lecture

This course examines typical and atypical development within the psychosocial, cognitive, and physical domains from conception through the preschool years. Upon completion of this course, students will be able to evaluate theories and research of child development and effectively apply and communicate their understanding through observation and evaluation. **COREQUISITE:** ESL 704A or 704B, ESL in the Workplace, or ESL/English course based on assessment scores or completion of prerequisites of sequenced ESL/English courses. **NOTE:** This course will be taught in Spanish.

CD 219 Introduction to Child Development en Español**Units:** 1.0 **Hours:** 1.0 Lecture

This course will orient mono-lingual (Spanish) Child Development students to Gavilan College and the Child Development and Educational Studies (CDES) departments. Students will be provided an overview of campus academic and support services and programs, explore the professional opportunities in the field of Child Development and learn effective strategies for college success. This course has the option of a letter grade or pass/no pass. **NOTE:** This course is taught in Spanish.

CHINESE**CHN 1A Elementary Mandarin****Units:** 5.0 **Hours:** 5.0 Lecture**Transferable:** CSU-GE:C2, GAV-GE:C2

A comprehensive introduction to elementary Mandarin as a foreign language for students with no background in Mandarin. Emphasis is on listening, speaking and reading Mandarin as a medium of communication within a rich cultural framework, resulting in an active vocabulary of no less than 500 Chinese words and 100 phrases and idiomatic expressions. Writing and translation will be introduced. This course corresponds to one year of high school study. This course has the option of a letter grade or pass/no pass.