

**CHEM 12A Organic Chemistry****Units:** 5 **Hours:** 3 Lecture, 6 Laboratory**Prerequisite:** Chemistry 1B**Transferable:** CSU; UC; CSU-GE: B1, B3; IGETC: 5A; GAV-GE: B1, B3

This is the first semester of a year-long organic chemistry course designed for chemistry majors, pre-professional medical, biology, and science majors. Topics include nomenclature, stereochemistry, mechanisms, reactions and spectroscopic studies of organic compounds. Lecture and laboratory methods will focus on synthesis, isolation, purification, elucidation, and identification of organic structures, as well as instrumental methods and data interpretation.

**CHEM 12B Organic Chemistry****Units:** 5 **Hours:** 3 Lecture, 6 Laboratory**Prerequisite:** Chemistry 12A**Transferable:** CSU; UC; CSU-GE: B1, B3; IGETC: 5A; GAV-GE: B1, B3

This is the second semester of a year-long organic chemistry course designed as a continuation of Chemistry 12A. Topics include nomenclature, stereochemistry, mechanism, reactions, and spectroscopic studies of the various organic functional groups. Lecture and laboratory methods will focus on synthesis, isolation, purification, elucidation and identification of organic structures as well as instrumental methods and data interpretation.

**CHEM 30A Elementary Chemistry****Units:** 4 **Hours:** 3 Lecture, 3 Laboratory**Advisory:** Mathematics 205; eligible for English 250 and English 260.**Transferable:** CSU; UC; CSU-GE: B1, B3; IGETC: 5A; GAV-GE: B1, B3; CAN: CHEM 6, CHEM SEQ. B

This is a first semester college chemistry course designed for majors preparing to take Chemistry 1A, nursing and allied health students, as well as general education. The course will cover the principles of chemistry including properties of matter, energy, atomic theory, the Periodic Table, stoichiometry, elements and compounds, the properties of bonding, molecular structure, chemical reactions, states of matter, acidity, solutions and gases, as well as an introductory to organic chemistry.

**CHEM 30B Elementary Organic and Biochemistry****Units:** 4 **Hours:** 3 Lecture, 3 Laboratory**Prerequisite:** Chemistry 30A with a grade of C or better.**Transferable:** CSU; UC; CSU-GE: B1, B3; IGETC: 5A; GAV-GE: B1, B3; CAN: CHEM 8, CHEM SEQ. B

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.

**CHILD DEVELOPMENT****CD 1 Principles and Philosophies of Early Childhood Education****Units:** 3 **Hours:** 3 Lecture**Advisory:** Eligible for English 250 and English 260.**Transferable:** CSU

An overview of current educational theories and research, as well as an historical perspective on the development of early childhood education. Observations in schools are to be arranged.

**CD 2 Early Child Development****Units:** 3 **Hours:** 3 Lecture**Advisory:** Eligible for English 250 and English 260; transfer students consult with advisor.**Transferable:** CSU; UC; CSU-GE: D9, E ; IGETC: 4; GAV-GE: D2

A systematic study of the child from prenatal life through the preschool years. The course integrates the basic concepts of physical, cognitive and psychosocial development at each major stage of life during this period. This course is also listed as PSYC 2. This course has the option of a letter grade or pass/no pass.

**CD 3 Child Growth and Development During the School Years****Units:** 3 **Hours:** 3 Lecture**Advisory:** Eligible for English 250 and English 260; Child Development 2; transfer students consult with advisor.**Transferable:** CSU; UC; CSU-GE: D9, E ; IGETC: 4; GAV-GE: D2

Continuation of the study of the principles of child development with emphasis on children from six years through adolescence. Includes developmental theories and topics relevant to these ages. This course is also listed as PSYC 3. This course has the option of a letter grade or pass/no pass.

**CD 4 Observing and Assessing Children****Units:** 3 **Hours:** 3 Lecture**Advisory:** Eligible for English 250 and English 260 and completion of CD2.**Transferable:** CSU

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.

**CD 5 Child/Family and Community****Units:** 3 **Hours:** 3 Lecture**Advisory:** Eligible for English 250 and English 260.**Transferable:** CSU

Patterns of child-rearing in contemporary society. Interaction of family, school and community. Significance of personal and social values in family life and community action. Individual and social resources for family life including health, welfare and improving child development.

**CD 6 Games and Rhythms for Children****Units:** 3 **Hours:** 3 Lecture**Advisory:** Eligible for English 250 and English 260.**Transferable:** CSU

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 Physical Education 6. This course has the option of a letter grade or pass/no pass.

**CD 7 Cultural Context of Childhood****Units:** 3 **Hours:** 3 Lecture**Advisory:** Eligible for English 250 and English 260.**Transferable:** CSU; CSU-GE: D7; GAV-GE: D2, F

This course examines cultural influences on child-rearing practices, family values, and human development. Perspectives from the social sciences will be used to explore what is common to all Homo sapiens and what is specific to the culture of the U.S. Students will explore their own personal assumptions and attitudes towards diversity, and practice implementing non-stereotypical, developmentally appropriate, anti-bias activities, interactions and environments in order to respond to and intervene against prejudice among children. This course is also listed as PSYC 7 and ANTH 9.

**CD 8A American Education in a Changing World****Units:** 3 **Hours:** 3 Lecture**Transferable:** CSU

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 **Hours:** 3 Lecture**Advisory:** Completion of English 250, English 260 or equivalent.**Transferable:** CSU

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 register concurrently in 1-4 units of CD 190--Cooperative Work Experience in order to facilitate opportunities to work regularly with children. This course has the option of a letter grade or pass/no pass.

**CD 9 Child Health/Nutrition and Safety****Units:** 3 **Hours:** 3 Lecture**Advisory:** Eligible for English 250 and English 260.**Transferable:** CSU

Health, Safety and Nutrition promotion in young children is studied. Course covers illness and accident prevention, quality food programs and community resources for health, safety and nutrition. Students will learn to promote making healthier choices by teaching hygiene, safety practices and nutritious food choices. Poison prevention, fire and earthquake safety and emergency preparedness is covered. Students learn to design lesson plans to teach children and their parents to make healthy, safe and nutritious choices. This course has the option of a letter grade or pass/no pass.

**CD 10 Children with Special Needs****Units:** 3 **Hours:** 3 Lecture**Advisory:** Eligible for English 250 and English 260. Completion of CD 2.**Transferable:** CSU

An introductory course in special education, 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 history 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.

**CD 11A Administration of Programs for Young Children****Units:** 3 **Hours:** 3 Lecture**Advisory:** Child Development 1 and 2.**Transferable:** CSU

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.

**CD 11B Administration of Publicly Funded Child Care Programs****Units:** 3 **Hours:** 3 Lecture**Advisory:** Completion of 12 units in Child Development or working in an administrative capacity in a children's program.**Transferable:** CSU

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 and goals and objectives of the program, development of a staff development plan, 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.

All courses listed here are part of Gavilan College's approved curriculum. All courses are not offered every semester. Check the Class Schedule for current offerings.

**CD 11C Supervision of Adults: The Mentor Teacher****Units:** 2 **Hours:** 2 Lecture**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.**Transferable:** CSU

A study of the methods and principles of supervising adults in early childhood settings. Emphasis is on the role of the experienced classroom teacher who functions as a "mentor/supervisor" to teachers, aides, and other adults. This course meets the requirements for the State Child Development Permit Matrix: "2 unit adult supervision class" and the Mentor Teacher Program. Lectures, discussions, in class and out of class activities, role-play simulations, readings, individual and group assignments as well as videos and guest presenters will be used.

**CD 12 Computer Education for Teachers****Units:** 3 **Hours:** 3 Lecture**Advisory:** CSIS 122 Computer Keyboarding, or equivalent; English 250 with a grade of C or better.**Transferable:** CSU

The history, uses and development of computers in education. Basic computer skills and terminology will be taught in the context of teacher education. Students who successfully complete this course will understand 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.

**CD 13 Infant and Toddler Development and Care****Units:** 3 **Hours:** 3 Lecture**Advisory:** Eligible for English 250 and English 260. Child Development 2.**Transferable:** CSU

Students will study the developmental stages of growth specific to infants and toddlers and learn how to foster positive techniques for nurturing infants and toddlers in group settings. Students will study the RIE philosophy and learn how to observe children in child care and home day care settings. This course has the option of a letter grade or pass/no pass.

**CD 14A Working with School Age Children****Units:** 3 **Hours:** 3 Lecture**Advisory:** Eligible for English 250 and 260. Child Development 3.**Transferable:** CSU

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.

**CD 14B Behavior Management & Guidance of School Age Children****Units:** 3 **Hours:** 3 Lecture**Advisory:** English 250, English 260, and CD 3**Transferable:** CSU

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. An overview of guidance theories offers strategies to reinforce positive behaviors, encourage communication & cooperation, and establish age-appropriate and consistent limits in a variety of circumstances. This course has the option of a letter grade or pass/no pass.

**CD 15 Music and Movement for Children****Units:** 1 **Hours:** 1 Lecture**Advisory:** Eligible for English 250 and English 260.**Transferable:** CSU

Techniques for the non-musician to incorporate music and movement activities in a variety of curriculum areas and reflecting cultural awareness. Practice building simple rhythm instruments and using rhythm in song instruction and movement activities. An extensive list of children's music CDs and resources will be provided to each student.

**CD 16 Exploring Mathematics with Children****Units:** 1 **Hours:** 1 Lecture**Advisory:** Eligible for English 250 and English 260.**Transferable:** CSU

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.

**CD 17 Exploring Science with Children****Units:** 1 **Hours:** 1 Lecture**Advisory:** Eligible for English 250 or 260.**Transferable:** CSU

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.

**CD 18 Outdoor Environments for Children****Units:** 3 **Hours:** 3 Lecture**Advisory:** Eligible for English 250 and 260.**Transferable:** CSU

Designing and constructing outdoor play environments for young children that provide opportunities for large and small muscle activities, social, quiet, and noisy play, and creative experiences.

**CD 19 Introduction to Careers with Children****Units:** 2 **Hours:** 2 Lecture**Advisory:** Eligible for English 250 and English 260.**Transferable:** CSU

An overview of Department of Social Services and Department of Education regulations regarding child care workers in California. Self-assessment techniques with emphasis on teacher-child and teacher-adult relationships and personal evaluations. Basic principles of curriculum development and discipline techniques. This course has the option of a letter grade or pass/no pass.

**CD 20 Children's Language and Literature****Units:** 3 **Hours:** 3 Lecture**Advisory:** Eligible for English 250 and English 260.**Transferable:** CSU

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.

**CD 21 Creative Experiences for Children****Units:** 2 **Hours:** 1.5 Lecture, 1.5 Laboratory**Advisory:** Eligible for English 250 and English 260.**Transferable:** CSU

An interpretation of the values of creative experiences for young children. Illustrated lectures and demonstrations with student participation cover such topics as use of blocks, music, rhythms, body movement, art experiences and other creative projects.

**CD 24 Educational Cooking & Nutritional Experiences for Children****Units:** 2 **Hours:** 1.5 Lecture, 1.5 Laboratory**Transferable:** CSU

Focuses on methods of helping young children acquire basic knowledge and positive attitudes towards nutritious foods. Students develop projects, prepare educational experiences, make educational games and activities that support key concepts in nutrition. The student will also learn to complete government reimbursement forms and state approved menus.

**CD 25A Art Methods****Units:** 3 **Hours:** 2 Lecture, 4 Laboratory**Transferable:** CSU; 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 **Hours:** 2 Lecture, 4 Laboratory**Transferable:** CSU; 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 26 The Montessori Method****Units:** 2 **Hours:** 2 Lecture**Advisory:** Eligible for English 250 and English 260.**Transferable:** CSU

History, philosophy, principles, methods and materials of the Montessori approach to early childhood learning.

**CD 27 Practical Piaget: Thinking Skills for Young Children****Units:** 2 **Hours:** 2 Lecture**Advisory:** Eligible for English 250, English 260 and Mathematics 205.**Transferable:** CSU

Thinking skills for young children presents an overview of the cognitive development of the young child and the practical understanding of Piaget's theory. Students will learn how to translate this theory into appropriate classroom environments including the High Scope Model, the Responsive Environment Model, and other preschool and day care center models. Students will then learn to plan, write, and evaluate curriculum activities in cognitive areas of learning.

**CD 28A Child Dev & Guidance for Family Child Care/ Foster Care****Units:** 1 **Hours:** 1 Lecture**Transferable:** CSU

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 Dev Learning Activities for Family Child Care & Foster Care****Units:** 1 **Hours:** 1 Lecture**Transferable:** CSU

A practical curriculum development course for child care providers. The course 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 **Hours:** 1 Lecture**Transferable:** CSU

Learning to establish and enforce contracts and policies, marketing your business, being professional in a caring profession, child abuse reporting requirements, licensing regulations for family child care, 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 28D Issues in Family Foster Parenting****Units:** 1 **Hours:** 1 Lecture**Transferable:** CSU

An understanding of the unique adult-child relationships and interactions in the foster care situation. Illustrations and methods of identifying and dealing with specific problems will be presented. Includes a review of referral agencies and techniques of dealing with regulator agencies.

**CD 29 Introduction to High/Scope Curriculum****Units:** 2 **Hours:** 2 Lecture**Advisory:** Eligible for English 250 and 260.**Transferable:** CSU

High/Scope Curriculum emphasizes a process of learning useful for a wide range of children: gifted and normally developing, bilingual and multi-cultural, varied age and mildly and moderately disabled. A framework for Early Childhood Education that stresses problem solving and decision making by both child and adult.

**CD 30A Teaching Practices and Techniques****Units:** 3 **Hours:** 3 Lecture**Advisory:** Completion of Child Development 1 and 2 with a "C" or higher. Concurrent enrollment in CD 190.**Transferable:** CSU

Designing, developing and implementing contemporary curriculum and instructional methods for early childhood education. Completion of 30A and 30B satisfies the associate degree requirement for student teaching.

**CD 30B Teaching Practices and Techniques II****Units:** 3 **Hours:** 3 Lecture**Advisory:** Child Development 30A. Concurrent enrollment in CD 190.**Transferable:** CSU

Continuation of CD 30A with emphasis on assessment, conferencing and planning skills. Completion of 30A and 30B fulfills State Child Development Permit requirements, and satisfies the associate degree student teaching requirements.

**CD 31 Tutoring School-Age Children****Units:** 1 **Hours:** 1 Lecture**Transferable:** CSU

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 is a pass/no pass course.

**CD 97 Introduction to Service Learning with Children****Units:** 3 **Hours:** 3 Lecture**Transferable:** CSU

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 160 Child Care First Aid and CPR****Units:** 1 **Hours:** 1 Lecture**Transferable:** CSU

First aid training to prepare child care professionals to meet the needs 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. May be repeated three times for credit.

**CD 190 Occupational Work Experience/Child Development****Units:** 1-4 **Hours:** 20 Laboratory**Required:** Declared vocational major. Concurrent enrollment in seven or more units (including CWE units, except for summer school. For summer school, enrollment in one other class is required). Minimum 2.00 G.P.A.**Transferable:** CSU

College credit for learning experience obtained on the job in accordance with a training plan developed cooperatively between the employer, college and student. 75 hours per semester per unit or 60 hours per semester for unpaid experience. This is a pass/no pass course. May be taken for a maximum of 16 work experience units.

**CD 191A Workplace Skills****Units:** 1 **Hours:** 1 Lecture**Transferable:** CSU

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 **Hours:** 1 Lecture**Transferable:** CSU

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 **Hours:** 1 Lecture**Transferable:** CSU

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 307 Parent Participation Seminar****Units:** 1 **Hours:** 1 Lecture, 1 Laboratory**Transferable:** No

This course is recommended for parents placing their children in the Child Development Laboratory. Subjects covered will include parenting skills, normal child development from ages 2-5, techniques of discipline and fostering cognitive and language development. A combination of lectures and laboratory activities will form the basis for individualized instruction in parenting. May be repeated up to three times for credit. This is a pass/no pass course.

**COMMUNICATIONS****CMUN 1A Introduction to Public Speaking****Units:** 3 **Hours:** 3 Lecture**Advisory:** Eligible for English 250 and English 260.**Transferable:** CSU; UC; CSU-GE: A1; IGETC: 1C; GAV-GE: A1; CAN: SPCH 4

Basic principles of effective human communication and their function in contemporary public settings; emphasis is on the speech to inform, with special consideration given to fundamental communication skills, including organization, reasoning, explanation and listening.

**CMUN 2 Oral Reading****Units:** 3 **Hours:** 3 Lecture**Advisory:** Eligible for English 250 and English 260.**Transferable:** CSU; UC; CSU-GE: C1; GAV-GE: C1

An introduction to the analysis, preparation and dramatic reading of literature, including classical and contemporary prose, poetry and drama. Students will prepare, analyze and orally present and interpret great works of drama and literature for an audience. This course is also listed as THEA 4.