

Courses

CHEM - Chemistry Courses

CHEM B10 Chemistry and Society

3 units

Prerequisites: BC placement into math level 03 or successful completion of MATH B60 or equivalent with a grade of C or better.

Description: This course introduces student to basic concepts of chemistry and requires analyses of socio-cultural contexts within which chemistry plays a central role. Major topics will include environmental issues, energy, and health. This course is not recommended for science or health-science majors. An outside activity will be required.

Hours: 36 Lecture, 54 Lab

Transferable: CSU and private colleges.

EDUC - Education Courses

EDUC B24 Introduction to Classroom Teaching

3 units

Description: 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 50 hours of structured fieldwork in public school elementary classrooms that represent California's diverse student population, and includes cooperation with at least one certificated classroom teacher.

Note: Special Education majors must complete 25 hours in a special education classroom.

Hours: 54 lecture

C-ID: EDUC 200

Transferable: CSU, UC, and private colleges

EMTC - Emergency Medical Technician Courses

EMTC B10 Paramedic 1

6 units

Prerequisites: Limitation: Emergency Medical Technician card - Required by Title 22 Statute - Possess a high school diploma or general education equivalent; and possess a current basic cardiac life support (CPR) card equivalent to the current American Heart Association's Guidelines for Cardiopulmonary Resuscitation and Emergency Cardiovascular Care at the healthcare provider level; and possess a current EMT certificate or NREMT-Basic registration; or possess a current AEMT certificate in the State of California; or be currently registered as an EMT-Intermediate with the NREMT.

Corequisite: EMTC B11 must be taken concurrently.

Description: This course introduces the student to the roles and

responsibilities of the Paramedic within the Emergency Medical System. The student will be expected to apply basic concepts of anatomy, pathophysiology, pharmacology, patient assessment, the health and safety of the paramedic, documentation, and medical legal issues to be able to formulate a 'field impression' of patient status.

Hours: 108 lecture

Transferable: CSU and private colleges.

EMTC B50 Emergency Medical Technician

9 units

Description: Provides foundational skills and assessment techniques to care for an ill or injured person in the pre-hospital setting. We follow state regulations for EMT-1 training and leads to certification at the local, county, and state level. Required for all ambulance personnel and appropriate for many other first responders such as law enforcement

Materials Fee: \$24.00

Hours: 153 lecture, 27 lab

Transferable: Not transferable. Degree applicable.

EMTC B50R Emergency Medical Technician I Recertification Preparation

1.5 unit

Description: A review of material in EMTC B50 with updates on EMT-1 issues and new material or skill techniques. An approved refresher course that follows state regulations and leads to a recertification completion certificate. Required to continue practice of pre-hospital emergency care.

Materials Fee: \$24.00

Hours: 27 lecture

Repeat: Legally Mandated Training

Transferable: Not transferable. Not degree applicable.

EMTC B51 Emergency Medical Responder

3 units

Description: This course provides out-of-hospital training, at the most basic, entry level scope of practice, in prehospital emergency medical care. Emergency Medical Responders (EMR) are typically first to respond to the scene of medical emergencies in order to provide initial Basic Life Support (BLS) care to patients in the workplace, and or in rural environments until an ambulance arrives to take over patient care. This course will award successfully completed students with a job skills certificate in EMR and meets the requirements of the California Code of Regulations, Title 22, Division 9, Chapter 1.5, as well as the National EMS Education Standards.

Hours: 54 lecture

Transferable: Not transferable. Not degree applicable.

EMTC B60 Paramedic Program Preparatory Course

1.5 units

Limitation-Prerequisite : 1) Possess a high school diploma or general education equivalent; and possess a current basic cardiac life support (CPR) card equivalent to the current American Heart

Courses *(continued)*

Association's Guidelines for Cardiopulmonary Resuscitation and Emergency Cardiovascular Care at the healthcare provider level; and possess a current EMT certificate or NREMT-Basic registration; or possess a current AEMT certificate in the State of California; or be currently registered as an EMT I

Recommended: One year full-time experience working on an ambulance as an EMT

Description: The Paramedic Preparatory Course is designed to aid in the transition from the level of emergency medical technician (EMT) to the level of paramedic student. The course is designed to prepare the student for the rigorous intensity of the paramedic program and introduce the student to the study skills necessary to be successful in the Bakersfield College's paramedic program. Other topics included in this course will be reviewing of the basic life support skills (BLS) learned in the EMT course, as well as introducing the student to basic advanced life support (ALS) topics, such as electrocardiogram (ECG) rhythms, pathophysiology, pharmacology, and advanced airway maintenance.

Hours: 27 lecture

Transferable: Not transferable. Not degree applicable

ENGL - English Courses

ENGL B1AC Expository Composition Support

0.5 units

Description: This course offers intensive practice in the skills needed to read college-level texts and compose college-level essays. It provides support in developing skills and strategies for success in transfer-level writing classes. Students enrolling in this course must also enroll in ENGL B1A.

Hours: 27 lab

Transferable: Not transferable. Not degree applicable.

ENGL B25B Survey of World Literature

3 units

Prerequisites: BC placement into writing level 06 or successful completion of ENGL B50 or equivalent with a grade of C or better.

Recommended: Successful completion of ENGL B1A with a grade of C or better.

Description: A study of representative works of world literature in historical and cultural contexts, focusing on their aesthetic significance and the enduring human values which unite the different literary traditions. Covers approximately 1650 to present. Not open to students who have completed ENGL B20B.

Hours: 54 lecture

C-ID: ENGL 145

Transferable: CSU and private colleges. CSU GE C.2; BC GE C.2

FIRE - Fire Technology Courses

FIRE B48WE Work Experience Education/Internship

1-8 units

Prerequisites: Declared major or occupational goal and evaluation

of student's qualifications and objectives.

Description: College credit for fire related learning experiences obtained on the job in accordance with a training plan developed cooperatively between the employer, college, and student.

Occupational work experience credit may accrue at the rate of 1 to 8 units per semester for a total of sixteen units, and students must work 75 paid ours or 60 non-paid hours per unit. Repetition allowed per Title 5 55253.

Hours: Non-paid 60 hours for each 1 unit (60-480). Paid 75 hours for each 1 unit (75-600).

Transferable: CSU and private colleges.

INDR - Industrial Drawing Courses

INDR B20A Computer Aided Drafting & Design (CAD) - Intermediate

3 units

Prerequisites: Successful completion of INDR B12 with a grade of C or better or equivalent experience to be evaluated by the instructor.

Description: This is an intermediate-level CAD course that is structured to impart the foundational knowledge and essential technical skills required to succeed as an entry-level CAD drafter/modeler. Areas of special emphasis include industry standards, drawing conventions, and operational practices typical to the industrial design, architectural drafting, and engineering support fields.

Materials Fee: \$10.00

Hours: 27 lecture, 81 lab

Transferable: CSU, UC, and private colleges

MFGT - Manufacturing/Machine Technology Courses

MFGT B54 Power Metalworking Operations

3 units

Prerequisite: Successful completion of MFGT B1AB and WELD B54B with a grade of C or better.

Description: This course is designed for people working in or aspiring to enter the metalworking trades in the fields of construction Fabrication and manufacturing. This is a comprehensive course in powered sheet metal fabrication equipment. The course will cover the safe set up and operation of press brakes, ironworkers, turret punch, rotary machines, welders, shears, roll-formers, tube benders, and tube notchers. Individualized hands-on experience in tool setup and job shop performance equal to industry standards will be provided. Students will also be introduced to the materials and fabrication techniques necessary to build projects of sheet metal aimed at emerging "green energy", agriculture & food processing fields

Hours: 27 Lecture, 81 Lab

Transferable: Not transferable. Degree applicable.

Courses *(continued)*

MFGT B56 CNC Metal Fabrication Systems

3 units

Prerequisite: Successful completion of MFGT B1AB and WELD B54B with a grade of C or better.

Description: This course is designed for people working in or aspiring to enter the metalworking trades in the fields of construction Fabrication and manufacturing. This is a comprehensive course on CNC metal fabrication software as it relates to press brake, plasma cutter, Water-Jet cutting, use of a router, and tube bending. The course will cover the use of software to design metal components as they relate to the construction fabrication and manufacturing fields, with additional emphasis placed on the design of metal products used in the emerging “green energy” and Agriculture & Food Processing fields.

Hours: 27 Lecture, 81 Lab

Transferable: Not transferable. Degree applicable.

MUSC - Music Courses

MUSC B15 Beginning Ear Training and Sight Singing

1 unit

Co-requisite: MUSC B2 must be taken concurrently.

Description: This course applies and develops the rhythmic, melodic, and harmonic materials of basic music theory through ear training, sight singing, analysis, keyboard exercises and dictation

Hours: 54 lab

C-ID: MUS 125

Transferable: CSU and private colleges.

PBHS - Public Health Science Courses

PBHS B48WE Occupational Work Experience Education/ Internship

1-8 units

Prerequisites: Declared major or occupational goal and evaluation of student’s qualifications and objectives.

Description: College credit for public health science related learning experiences obtained on the job in accordance with a training plan developed cooperatively between the employer, college, and student. Occupational work experience credit may accrue at the rate of 1 to 8 units per semester for a total of sixteen units, and students must work 75 paid hours or 60 non-paid hours per unit. Repetition allowed per Title 5 55253

Hours: Non-paid 60 hours for each 1 unit (60-480). Paid 75 hours for each 1 unit (75-600).

Transferable: Not transferable. Degree applicable

PHED - Physical Education Courses

PHED B13 Intercollegiate Competition Tennis

3 units

Prerequisites: Limitation on Enrollment, this class is designed for

identified student athletes.

Description: Intercollegiate competition for Men’s Tennis team. Student must meet athletic code eligibility requirements. Field trips may be required.

Note: UC Campuses give a maximum of four semester units of credit for Physical Education activity units.

Hours: 162 lab

Repeat: 3

Transferable: CSU, UC, and private colleges; CSU GE E; BC GE E