BUS 108  PMP & CAPM EXAM PREP  2.0 UNITS
Total Lecture: 36 hours
Prerequisites: BUS 037
This course will prepare students for the for CAPM® (Certificate Associate in Project Management) or PMP® (Project Management Professional) exams. Also, students will receive substantial Project Management Education (PDUs) hours. This course emphasizes PMBOK Guide® (Project Management Body of Knowledge) and is structured around the ten knowledge areas, and it is focused on exactly what is necessary to pass the exam. The Project Management Professional (PMP®) certification is the profession’s most globally recognized and respected certification credential based on the Project Management Institute (PMI®) well-known Project Management Body of Knowledge (PMBOK®). This course may be offered via distance learning. Pass/No Pass Option.

BUS 109  BUSINESS LAW ENTREPRENEURS  2.0 UNITS
Total Lecture: 36 hours
Advisory: BUS 054
Acceptable for credit: California State University
This course provides students from variety backgrounds to understand legal attributes of entrepreneurship. The course materials are a diverse mixture of different topical areas in law. These areas include commercial law, law of torts, business structure, employment and contract law, the legal framework of finance, intellectual property and laws governing the sale of a business. The students will be able to identify the specific legal issue that an entrepreneur needs to understand at various stages. This course may be offered via distance learning. Pass/No Pass Option.

BUS 111  THE ENTREPRENEURIAL MINDSET  3.0 UNITS
Total Lecture: 54 hours
Advisory: BUS 054
Acceptable for credit: California State University
This course is constructed for students to learn about the principles contained in the entrepreneurial mindset and the unlimited opportunities it can provide. So, what is an entrepreneurial mindset? An entrepreneurial mindset is a specific set of beliefs, knowledge, and thought processes that drives entrepreneurial behavior (The Learning Initiative 2018). This course also takes the approach that anyone (not just those who want to start businesses) can benefit from understanding and applying an entrepreneurial mindset to any situation. This course may be offered via distance learning. Pass/No Pass Option.

BUS 112  BUSINESS MODELING  3.0 UNITS
Total Lecture: 54 hours
Advisory: BUS 054
Acceptable for credit: California State University
This course covers practical business model techniques used by leading companies in different industries. The business model describes the foundation used of how companies create, deliver and capture value. The students will learn about the nine building blocks in creating and implementing a business model. These blocks include Customer Segments, Value Propositions, Channels, Customer Relationship, Revenue Streams, Key Resources, Key Activities, Key Partnerships and Cost Structure. Further the students shall understand disruptive innovation as a sensation and strategy in today’s business environment. Lastly, students will develop their own business model and understand the importance of sustainable. This course may be offered via distance learning. Pass/No Pass Option.

BUS 114  ENTREPRENEURSHIP FINANCE  2.0 UNITS
Total Lecture: 36 hours
Prerequisites: CAP 062B or BUS 021L or equivalent
Advisory: BUS 054
Acceptable for credit: California State University
This course introduces financial thinking, tools, and techniques adapted to the area of entrepreneurship. Students will be introduced to the theories, knowledge, and financial tools an entrepreneur needs to start, build, and harvest a profitable venture. Students will learn how and where to obtain the financing necessary to launch and develop the venture. Discipline financial management practices are vital to a venture’s operation. This course may be offered via distance learning. Pass/No Pass Option.

BUS 115  OPERATIONS MANAGEMENT  3.0 UNITS
Total Lecture: 54 hours
Acceptable for credit: California State University
This course is an introduction to the field of operations management and addresses the design and management of the activities and resources that a firm uses to produce and deliver its products or services. Topics covered include product design, applied forecasting, aggregate planning, scheduling, total quality management, statistical process control, inventory management, facility layout operations planning, and lean/JIT business processes. Concepts are illustrated by using abundant real world case studies, articles, illustrations, problems and cases. This course may also be offered via distance learning. Pass/No Pass Option. C-ID # BUS 125.

BUS 118  HUMAN RESOURCE MANAGEMENT  3.0 UNITS
Total Lecture: 54 hours
Acceptable for credit: California State University
This course is designed as an overview of the Human Resource functions and the employment of human resources to achieve organizational strategic goals by working with and through people. Topics include HR legal environment, recruitment and selection, training and development, compensation and benefits, performance appraisals, workforce diversity, downsizing, outsourcing, contracting, and HR systems. This course offers a balance of practical and applied material in case study analysis. This course may be offered via distance learning. Pass/No Pass Option.

CHEMISTRY (CHM)

Note: Completion of CHM 1A, 1B is equivalent to San Jose State University sequence of CHM 1A, 1B, although the order of topics presented is different. Students who are planning to complete the sequence are advised to take both semesters at the same college.

CHM 001A  GENERAL CHEMISTRY  5.0 UNITS
Total Lecture: 54 hours. Total Lab: 108 hours
Prerequisite: CHM 002 or high school chemistry with a B or better and MAT 000C, MAT 000CM, high school algebra 2 with a C or better, or equivalent.
Acceptable for credit: University of California, California State University
Chemistry 001A is the first of a two-semester sequence in general inorganic chemistry designed for science majors and those seeking entry to medicine or other professional programs in the health sciences. Topics include atomic structure, theories of chemical bonding, nomenclature, stoichiometry, thermochemistry, gas laws, and the properties of solids, liquids, gases, and solutions. This course may also be offered via distance learning. Grade only. C-ID # CHEM 110, C-ID 120S. CSUGE: B1, B3; IGETC: 5A, 5C.

CHM 001AH GENERAL CHEMISTRY I - HONORS  5.0 UNITS
Total Lecture: 54 hours. Total Lab: 108 hours
Prerequisite: CHM 002 or high school chemistry with a B or better and MAT 000C, MAT 000CM, high school algebra 2 with a C or better, or equivalent.
Acceptable for credit: University of California, California State University
Chemistry 001AH is the honors version of the first of a two-semester sequence in general inorganic chemistry designed for science majors and those seeking entry to medicine and other professional programs in the health sciences. Topics include atomic structure, stoichiometry, chemical bonding, thermochemistry, chemical reactivity, and the properties of solids, liquids, gases, and solutions. Students cannot get credit for both CHM 001A and CHM 001AH. Enrollment in the Honors Transfer Project is required. This course may also be offered via distance learning. Grade only. C-ID # CHEM 120S. CSUGE: B1, B3; IGETC: 5A, 5C.
CHM 001B  GENERAL CHEMISTRY  5.0 UNITS
Total Lecture: 54 hours, Total Lab: 108 hours
Prerequisite: CHM 001A
Acceptable for credit: University of California, California State University
This course is a continuation of CHM 001A (General Chemistry I) and is intended for majors in chemistry, biological sciences, engineering, and professional programs in medicine and pharmacy. Topics include organic compounds, chemical kinetics, chemical equilibria, acid-bases, buffers, thermodynamics, electrochemistry, coordination compounds, and nuclear chemistry. This course may also be offered via distance learning. Grade only. C-ID # CHEM 120S. CSUGE: B1, B3; IGETC: 5A, 5C.

CHM 001BH GENERAL CHEMISTRY II - HONORS  5.0 UNITS
Total Lecture: 54 hours, Total Lab: 108 hours
Prerequisite: CHM 001A
Acceptable for credit: University of California, California State University
Chemistry 001BH is the honors version of the second of a two-semester sequence in general inorganic chemistry designed for science majors and those seeking entry to medicine and other professional programs in the health sciences. Topics include organic compounds, chemical kinetics, chemical equilibria, acid-bases, buffers, thermodynamics, electrochemistry, coordination compounds, and nuclear chemistry. Students cannot get credit for both CHM 001B and CHM 001BH. Enrollment in the Honors Transfer Project is required. This course may also be offered via distance learning. Grade only. C-ID # CHEM 120S. CSUGE: B1, B3; IGETC: 5A, 5C.

CHM 002 INTRODUCTORY CHEMISTRY  3.0 UNITS
Total Lecture: 54 hours
Prerequisite: MAT 000C, MAT 000CM, high school algebra 2 with a C or better, or equivalent.
Acceptable for credit: University of California, California State University
Chemistry 002 is designed specifically to prepare students for Chemistry 001A (general chemistry). It introduces the principles of atomic structure, gas laws, solutions, acids-bases, and acid-base theories. There is heavy emphasis on problem solving, chemical formulas, equations and quantity relationships. Grade only. C-ID # CHEM 101. CSUGE: B1; IGETC: 5A.

CHM 002L INTRODUCTORY CHEMISTRY LABORATORY  1.0 UNIT
Total Lab: 54 hours
Prerequisite or Corequisite: CHM 002
Acceptable for credit: University of California, California State University
This course is a laboratory component to accompany CHM 002: Introductory Chemistry. Grade only. C-ID # CHEM 101. CSUGE: B3; IGETC: 5C.

CHM 012A ORGANIC CHEMISTRY I  5.0 UNITS
Total Lecture: 54 hours, Total Lab: 108 hours
Prerequisite: CHM 001B
Acceptable for credit: University of California, California State University
Chemistry 012A is the first semester of organic chemistry, which includes a study of important organic molecules found in living systems and man-made molecules. This course includes both lecture and laboratory work designed to prepare students to enter fields of study such as chemistry, engineering, pre-pharmacy, pre-dentistry, pre-medicine, and biological sciences. Modern laboratory techniques, including instrumental methods of structure determination, are included. This course may also be offered via distance learning. Grade only. C-ID # CHEM 160S. CSUGE: B1, B3; IGETC: 5A, 5C.

CHM 012AH ORGANIC CHEMISTRY I - HONORS  5.0 UNITS
Total Lecture: 54 hours, Total Lab: 108 hours
Prerequisite: CHM 001B or CHM 001BH
Acceptable for credit: University of California, California State University
Chemistry 012AH is the honors course for the first semester of organic chemistry, which includes a study of important organic molecules found in living systems and man-made molecules. This course includes both lecture and laboratory work designed to prepare students to enter fields of study such as chemistry, engineering, pre-pharmacy, pre-dentistry, pre-medicine, and biological sciences. Modern laboratory techniques, including instrumental methods of structure determination, are included. Students cannot get credit for both CHM 012A and CHM 012AH. Enrollment in the Honors Transfer Project is required. This course may also be offered via distance learning. Grade only. C-ID # CHEM 160S. CSUGE: B1, B3; IGETC: 5A, 5C.

CHM 012B ORGANIC CHEMISTRY II  5.0 UNITS
Total Lecture: 54 hours, Total Lab: 108 hours
Prerequisite: CHM 012A
Acceptable for credit: University of California, California State University
Chemistry 012B is the second semester of organic chemistry, which includes a study of important organic molecules found in living systems and man-made molecules. This course includes both lecture and laboratory work designed to prepare students to enter fields of study such as chemistry, engineering, pre-pharmacy, pre-dentistry, pre-medicine, and biological sciences. Modern laboratory techniques, including instrumental methods of structure determination, are included. This course may also be offered via distance learning. Grade only. C-ID # CHEM 160S. CSUGE: B1, B3; IGETC: 5A, 5C.

CHM 012BH · ORGANIC CHEMISTRY II - HONORS  5.0 UNITS
Total Lecture: 54 hours, Total Lab: 108 hours
Prerequisite: CHM 012A or CHM 012AH
Acceptable for credit: University of California, California State University
Chemistry 012BH is the honors course for the second semester of organic chemistry, which includes a study of important organic molecules found in living systems and man-made molecules. This course includes both lecture and laboratory work designed to prepare students to enter fields of study such as chemistry, engineering, pre-pharmacy, pre-dentistry, pre-medicine, and biological sciences. Modern laboratory techniques, including instrumental methods of structure determination, are included. Students cannot get credit for both CHM 012B and CHM 012BH. Enrollment in the Honors Transfer Project is required. This course may also be offered via distance learning. Grade only. C-ID # CHEM 160S. CSUGE: B1, B3; IGETC: 5A, 5C.

CHM 030A FUNDAMENTALS OF CHEMISTRY  4.0 UNITS
Total Lecture: 54 hours, Total Lab: 54 hours
Prerequisite: MAT 903, MAT 903M, high school algebra 1 with a C or better, or equivalent
Acceptable for credit: University of California, California State University
Chemistry 030A is an introductory chemistry course designed for nursing and allied-health majors. Topics include dimensional analysis, inorganic nomenclature, atomic and molecular structure, bonding, chemical reactions, gas laws, solutions, acids-bases, oxidation-reduction, equilibrium and electrolyte systems. This course is not recommended for students majoring in biology or chemistry or for those seeking entry to professional programs in medicine or pharmacy. This course may also be offered via distance learning. Grade only. CSUGE: B1, B3; IGETC: 5A, 5C.

CHM 060 SURVEY OF GENERAL, ORGANIC, AND BIOLOGICAL CHEMISTRY  4.0 UNITS
Total Lecture: 54 hours, Total Lab: 54 hours
Prerequisite: MAT 903, MAT 903M, high school algebra 1 with a C or better, or equivalent
Acceptable for credit: California State University
Topics include atomic structure, chemical bonding, and acid-base chemistry; organic chemistry nomenclature, functional groups, stereochemistry, and classes of organic reactions; an introduction to the structure and function of biological macromolecules (carbohydrates, lipids, DNA/RNA, and proteins) and an overview of metabolism. This course may also be offered via distance learning. Grade only. CSUGE: B1, B3.