storage solutions, including the configuration of disks and volumes, Data Deduplication, High Availability, Disaster Recovery, Storage Spaces Direct, and Failover Clustering solutions. The course also covers Hyper-V and containers, along with the maintenance and monitoring of servers in physical and compute environments, DNS, DHCP, and IPAM implementations, in addition to remote access solutions, such as VPN and Direct Access. It also covers DFS and BranchCache solutions, high performance network features and functionality, and implementation of software-defined networking (SDN) solutions, such as Hyper-V Network Virtualization (HNV) and Network Controller. This course may be offered via distance learning. Pass/No Pass Option. C-ID # ITIS 155.

COUNSELING (COU)

COU 000A  ORIENTATION TO MISSION COLLEGE 0.5 UNIT
Total Lecture: 9 hours
This course provides new students with basic information needed to attend college. It includes an orientation to Mission College programs and services, assessment information, registration procedures, an overview of general education requirements, and educational planning. This course may be offered via distance learning. Pass/No Pass Only.

COU 005  STRATEGIES FOR SUCCESS 3.0 UNITS
Total Lecture: 54 hours
Acceptable for credit: University of California, California State University
This is a comprehensive course that integrates critical and creative thinking proficiency, personal growth and values, and academic study strategies. This course is especially for students in the first semester at Mission College. This course covers the following topics: role of education in life; college systems; effective learning strategies; academic survival; career information; awareness of personal development and techniques of interpersonal communication. Emphasis is on the attainment of lifelong success in academic, professional, and personal development. This course may be offered via distance learning. Pass/No Pass Option. CSUGE: E.

COU 007  UNIVERSITY TRANSFER PLANNING 1.0 UNIT
Total Lecture: 18 hours
Acceptable for credit: University of California, California State University
This course provides in-depth information and assistance with the transfer process to four-year colleges/universities. It is designed to enable students to actively participate in planning their educational and career goals by providing information about the process and requirements for transferring from a community college to a university. Lower division major and general education requirements, college/university selection, admission procedures, application deadlines, financial aid and scholarship information are covered. Use of college catalogs, printed directories and the Internet are necessary to complete assignments. This course may also be offered via distance learning. Pass/No Pass Option.

COU 007H  UNIVERSITY TRANSFER PLANNING-HONORS 1.0 UNIT
Total Lecture: 18 hours
Acceptable for credit: University of California, California State University
This honors course provides in-depth information and assistance with the transfer process to four-year colleges/universities. Lower division major and general education requirements, college/university selection, admission procedures, statewide transfer policies, application deadlines, financial aid and scholarship information are covered. Students have the opportunity to broaden their perspectives by examining the changes in the education policies and regulations that impact society and may influence their transfer planning and admission to a university. Use of college catalogs, printed directories and the Internet are necessary to complete assignments. Students cannot get credit for both COU 007 and COU 007H. Enrollment in the Honors Transfer Project is required. This course may also be offered via distance learning. Pass/No Pass Option.

COU 012  CAREERS AND LIFESTYLES 3.0 UNITS
Total Lecture: 54 hours
Acceptable for credit: California State University
This course assists the student in examining the components of career choice. The focus is on career, personal and educational awareness as they relate to the process of career choice and major selection. Students identify personal interests, values, abilities and skills and use self-assessment instruments to help them identify career options. Lifestyles and personal satisfaction are discussed as related to the world of work. Decision-making strategies, resume writing, interviewing skills and job search techniques are reviewed. Materials fee required. This course may also be offered via distance learning. Pass/No Pass Option.

COU 012A  CAREERS AND LIFESTYLES 1.0 UNIT
Total Lecture: 18 hours
Acceptable for credit: California State University
This course assists students in exploring individual interests through the use of a variety of career assessments. The focus is on career, personal and educational awareness as they relate to the process of career choice and major selection. Students identify personal interests, values, abilities and skills and use self-assessment instruments to help them identify career options. Materials fee required. This course may be offered via distance learning. Pass/No Pass Option.

COU 012C  CAREERS AND LIFESTYLES 1.0 UNIT
Total Lecture: 18 hours
Acceptable for credit: California State University
This course assists students in the area of job search skills. Students learn to market themselves using resume writing and interview skills, and to identify different types of skills and how they relate to job requirements. Occupational trends are examined. This course may also be offered via distance learning. This course may be offered via distance learning. Pass/No Pass Option.

COU 017  TRANSFER SUCCESS AND LIFE TRANSITIONS 3.0 UNITS
Total Lecture: 54 hours
Acceptable for credit: University of California, California State University
Through the context of transferring from a community college to a university, this course introduces students to appropriate life skills that can help them achieve greater success in their educational, personal, and professional lives. The course is designed specifically for students interested in successfully navigating the process of transferring to a college or university. Topics include: self-awareness; goal setting; motivation; learning styles; critical thinking; decision making; degree options; university systems and transfer programs; education planning; time management and procrastination; money management and financial aid; effective communication; unique transitional considerations for transfer students; and maintaining a healthy lifestyle. Pass/No Pass Option. CSUGE: E.

COU 023  BECOMING A MASTER STUDENT-ATHLETE 2.0 UNITS
Total Lecture: 36 hours
Acceptable for credit: California State University
In this course, student-athletes learn tools for success to be applied in the classroom and in their sport. This survey course includes a study of the following topics: the role of education in life, college systems, learning strategies, academic survival, career information, and awareness of personal development and techniques of interpersonal communication. In addition, students learn how to balance academics and athletics, and how to prepare for a bright future. Pass/No Pass Option.
COU 051A PERSONAL GROWTH-INCORPORATING SELF-ESTEEM 1.0 UNIT
Total Lecture: 18 hours
This course assists students in increasing an awareness of themselves and others, identifying strengths and weaknesses in potential for personal growth, and enhancing self-esteem. It is designed to increase their ability to function more effectively and to handle personal problems and decisions. Topics to be addressed are self-esteem, developing and reaching goals, identifying fears and learning how to overcome them, clarifying values, and improving communication skills. Pass/No Pass Option.

COU 055 VALUING DIVERSITY 3.0 UNITS
Total Lecture: 54 hours
Acceptable for credit: California State University
This course addresses the complexities of interpersonal relationships among and between several cultures and ethnic groups within our society. Students examine cultural perceptions, while exploring self-concepts, values, beliefs, communication styles, religion, gender, ageism, and lifestyles in order to promote respect for differences and develop a sense of community. Pass/No Pass Option. CSUGE: D, E.

COU 145B BRIDGE TO COLLEGE 1.0 UNIT
Total Lecture: 18 hours
This course is designed to provide new students with basic information needed to attend college. It includes an orientation to Mission College programs and services, assessment information, registration procedures, an overview of general education requirements and educational planning. The course is also designed to improve students’ study skills. Time management, note taking, preparation for exams and other study habits and techniques are covered. This course may be offered via distance learning. This course is approved for credit by exam. Pass/No Pass Option.

ECONOMICS (ECN)

ECN 001A PRINCIPLES OF MACROECONOMICS 4.00 UNITS
ECN 001A (replaces ECN 001A/001AL)
Total Lecture: 54 hours, Total Lab: 54 hours
Advisory: MAT 000C
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
This course is an introduction to macroeconomic analysis. Topics include aggregate measures of economic activity, such as gross domestic product, unemployment, and inflation; market systems; macroeconomic models and their equilibria; effects of fiscal and monetary policy; economic growth; evolution of economic thought; and international economics. The course also includes an online lab component that reinforces concepts learned through deeper learning and applications, and offers additional practice with solving problems in economics. This course may be offered via distance learning. This course is approved for credit by exam. Grade only. C-ID # ECON 202. CSUGE: D; IGETC: 4.

ECN 001B PRINCIPLES OF MICROECONOMICS 4.00 UNITS
ECN 001B (replaces ECN 001B/001BL)
Total Lecture: 54 hours, Total Lab: 54 hours
Advisory: MAT 000C
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
This course is an introduction to microeconomic analysis that focuses on choices of individual economic decision makers. Topics include scarcity and resource allocation, elasticity, market equilibrium in competitive and noncompetitive market structures, consumer behavior, production decisions, income distribution, market failure and effects of government intervention. This course includes a lab component, which provides additional practice and deeper learning and applications. This course may be offered via distance learning. This course is approved for credit by exam. Grade Only. C-ID # ECON 201. CSUGE: D; IGETC: 4.

ECN 006 THE GLOBAL ECONOMY 3.0 UNITS
Total Lecture: 54 hours
Acceptable for credit: University of California, California State University
This course examines the core concepts and prominent forces of international economics and the relationships of nations and their economic policies. Opinions and viewpoints from a range of individuals in the private and public sector from around the globe are presented to expand insight into the increasing economic interdependence of nations. This course is cross-listed as GLB 006 and SOC 006. This course may be offered via distance learning. Pass/No Pass Option. CSUGE: D; IGETC: 4.

ENGINEERING (EGR)

EGR 010 INTRODUCTION TO ENGINEERING 4.0 UNITS
Total Lecture: 54 hours, Total Lab: 54 hours
Advisory: MAT 903
Acceptable for credit: University of California, California State University
This course exposes students to the field of engineering and the various engineering disciplines. Course presents the basic skills necessary to succeed as an engineering student. The nature of engineering work and the roles of engineers are explored. The Engineering Design Process is addressed through multiple team-based projects and engineering problem-solving topics. Communication skills for technical presentations and reports are developed through practical engineering scenarios. Guest speakers from local engineering firms and tours to local companies are included. Pass/No Pass Option. C-ID # 110

EGR 010H INTRODUCTION TO ENGINEERING – HONORS 4.0 UNITS
Total Lecture: 54 hours, Total Lab: 54 hours
Advisory: MAT 903 or MAT 903M
Acceptable for Credit: California State University, University of California
This course is the honors version of Introduction to Engineering. This course exposes students to the field of engineering and the various engineering disciplines. Course presents the basic skills necessary to succeed as an engineering student. The nature of engineering work and the roles of engineers are explored. The Engineering Design Process is addressed through multiple team-based projects and engineering problem-solving topics. Communication skills for technical presentations and reports are developed through practical engineering scenarios. Guest speakers from local engineering firms and tours to local companies are included. Students may not receive credit for both EGR 010 and EGR 010H. Enrollment in the Honors Transfer Project is required. Pass/No Pass Option. C-ID # 110

EGR 023 MECHANICS - STATICS 3.0 UNITS
Total Lecture: 54 hours
Prerequisite: MAT 003B or any higher level math and PHY 004A
Acceptable for credit: University of California, California State University
This course applies the principles of mechanics to evaluate the static equilibrium of two- and three- dimensional engineering structures. Topics include the equilibrium of particles, equivalent force systems, equilibrium of rigid bodies, distributed loads, internal forces in beams, shear and bending moment diagrams, truss analysis, and friction. This course is primarily for engineering transfer students. This course may also be offered via distance learning. Grade only. C-ID # ENGR 130, C-ID # 130.