

skeletal, muscular and nervous systems. Prerequisite: BIOL 121 or high school biology within the last 5 years. CHEM 110 or equivalent and HTP 110 are strongly recommended. Semester offered: Fall, Spring and Summer.

BIOL-253 Human Anatomy and Physiology II (3+2p) 4 cr.
Physical and chemical operation of the organs and systems of the human body, including endocrine, cardiovascular, lymphatic, immune, respiratory, digestive, urinary and reproductive. Basic concepts of metabolism, energy, fluid and electrolyte balance, heredity and human development. Prerequisite: BIOL 252. Semester Offered: Fall and Spring.

BIOL-255 Introduction to Genetics (3+2p) 4 cr.
This course will provide an introduction to modern genetic principles, including mechanisms of inheritance (Mendelian rules and non-Mendelian inheritance), molecular genetics, population genetics, and modern genetic laboratory techniques. Prerequisite: BIOL 121. Semester offered: Fall.

BIOL-260 Introduction to Cell Biology (3+2p) 4 cr.
The fine structure of prokaryotic and eukaryotic cells, their chemical composition and organization, cell metabolism, and bioenergetics. A description of major research tools used by cell biologists. Prerequisites: BIOL 121, CHEM 111. Semester Offered: Spring of odd-numbered years.

BIOL-281 Pathophysiology I 3 cr.
This is the first of a two semester course designed for students pursuing degrees in health careers or biological sciences. The initial material covers the central concepts of cellular and tissue pathophysiology. Thereafter, a systematic survey of genetic diseases, cancer, and the diseases of the immune, nervous, endocrine, and reproductive systems is undertaken. The etiology, pathophysiology, clinical manifestations, and other clinical considerations are discussed. Prerequisites: BIOL 252. Semester offered: Fall.

BIOL-282 Pathophysiology II 3 cr.
The second semester of pathophysiology builds on the information acquired during the first semester. The systematic survey of diseases continues with the hematologic, cardiovascular, respiratory, urinary, digestive, musculoskeletal, and integumentary systems. The etiology, pathophysiology, clinical manifestations and other clinical considerations are discussed. Prerequisite: BIOL 281. Semester offered: Spring.

BUILDING TRADES (Carpentry)

CARP-111 Beginning Carpentry I 8 cr.
Applied theory and practice dealing with safety, blueprints, design, specifications, and hand/power tools. Corequisite: CARP 115. Semester offered: Fall.

CARP-115 Beginning Carpentry II 10 cr.
Applied theory and practice in plot and foundation layout, floor and wall framing, and roof and exterior wall construction. Corequisite: CARP 111. Semester offered: Fall.

CARP-121 Intermediate Carpentry I 8 cr.
Applied theory and practice in form and residential concrete, window

and door installation, and finishing materials. Prerequisites: CARP 111, CARP 115. Corequisite: CARP 127. Semester offered: Spring.

CARP-127 Intermediate Carpentry II 10 cr.
Applied theory and practice in interior wall material and application, exterior trim and finish, and finishing materials. Corequisite: CARP 121. Semester offered: Spring.

CARP-195/196 Special Topics 1-4 cr.
Specific subjects and credits to be announced in the Schedule of Classes. May be repeated one or more times for additional credit. Semester offered: On Demand.

CARP-221 Construction Supervision 6 cr.
This course is offered to degree seeking and advanced carpentry students. Students will be instructed in supervision, estimating, construction materials, tools, and equipment used in the construction trade. Estimating the ratio of labor to material cost for rough framing, exterior finish, and interior finish carpentry will also be covered. Prerequisites: CARP 111, CARP 115, CARP 121, CARP 127. Semester offered: Fall and Spring.

CARP-280 Cooperative Education 1-10 cr.
The student will be employed at an approved work station which will provide relevant learning experiences that are directly related to the student's career and educational goals. The student will be supervised and evaluated jointly by his/her employer and San Juan College personnel. Semester offered: On Demand.

BUSINESS ADMINISTRATION

BADM-114 Intro to Business 3 cr.
A survey course presenting an overall integrated picture of American business and its operations. Included are such topics as forms of business ownership, management, internal organization, production, personnel, labor relations, marketing, short-term and long-term finance, insurance, accounting principles, business law, and entrepreneurship. Prerequisites: ENGL 095 or APEN 070+; and RDNG 095 or APRD 058. Semester offered: Fall, Spring and Summer.[NM Common Course Number: BUSA 1113, Business Transfer Module]

BADM-132 Intro to Financial Planning 3 cr.
This course emphasizes the decision-making processes necessary for all aspects of personal financial planning. It familiarizes the student with a budgeting framework that enables the coordination of current goals with future goals. Students will be introduced to various aspects of major financial decision-making. Prerequisites: ENGL 095 or APEN 070+; and RDNG 095 or APRD 058+. Semester offered: Spring.

BADM-134 Supervision 3 cr.
This course is intended for those who either want to become supervisors or want to improve their present level of supervisory skills and knowledge. Management principles and their application to actual on-the-job situations are presented enabling students to contribute more effectively to the goals of the organization. Prerequisites: ENGL 095 or APEN 070+; and RDNG 095 or APRD 058+. Semester offered: Fall and Spring.