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Health Sciences

Associate in Applied Science Degree (A.A.S.)

Course Requirements

MAJOR COURSES

HEA101 Introduction to Health Services Qtr. hrs. credit
4

Students study the American healthcare system, its structure and operations, the forces responsible for shaping it, and the policies influencing its current and future performance.

HEA200 Medical Terminology I 4

Provides a solid foundation and understanding of the medical language used by healthcare professionals. This is accomplished through the introduction, reinforcement, and combining of medical word parts including prefixes, suffixes, and combining forms. Emphases are on word building, analysis of parts of the word, abbreviations, spelling, and correct pronunciation of various body systems including the musculoskeletal, digestive, nervous, and integumentary, as well as the senses.

HEA201 Medical Terminology II 4

Students continue to develop their understanding of the medical terms that are used regarding various body systems. There is an emphasis on combining word parts (prefixes, suffixes, and combining forms) to create full medical terms including the cardiovascular, respiratory, urinary, endocrine, lymphatic, and reproductive systems.

Prerequisite: HEA200

HEA293 Internship 4

Allows students to work in a position related to their course of study. Students integrate the skills and knowledge learned through their academic experiences and participate in focused online discussions and special online projects.

Prerequisite: BUS226

BUSINESS COURSES

BUS226 Career Management Seminar 2

Explores career development opportunities and strategies. Stresses entry-level job requirements and upward career paths. Covers resume writing skills, interviewing techniques, and the importance of professionalism. Continues the student's orientation to Berkeley College's computer framework, which includes content collection and compiling a professional ePortfolio.

CIS115 Computer Applications 4

An introduction to computer technology with an emphasis on applications. Students learn how to use software packages, such as Microsoft Windows, Word, PowerPoint, and Excel. Includes an orientation to Berkeley College's computer framework, which includes Blackboard, content collection,

LIBERAL ARTS COURSES

ENG105 Expository Writing 4

An introduction to expository writing through a comprehensive survey of forms of composition. Students are taught to use words with precision, and strengthen their understanding and application of grammatical and rhetorical principles. Students are encouraged to appreciate and incorporate the principles of academic and professional writing.

ENG106 Writing Through Literature 4

Strengthens the writing, reading, and interpretive abilities introduced in ENG105. Encourages students to develop an appreciation and understanding of various works of literature, and utilize literature to enhance critical thinking and writing.

Prerequisite: ENG105

ENG115 Public Speaking 4

Designed to help students improve oral communication skills. Emphasis is placed on identifying good and poor speech habits, techniques for improving speech, oral interpretation, effective speech planning and delivery, and interpersonal communication.

Prerequisite: ENG106

SCI 223 Anatomy and Physiology I 4

Study of the structure, function, and pathology (disease) of the human body. Students are introduced to various body systems, including the musculoskeletal, digestive, nervous, and integumentary, as well as the senses.

SCI224 Anatomy and Physiology II 4

Students continue to develop their understanding of the anatomy, physiology, and pathology (diseases) of the human body. Topics covered include the cardiovascular, respiratory, urinary, endocrine, lymphatic, and reproductive systems.

Prerequisite: SCI223

SCI 228 Microbiology 4

The morphology and function of microorganisms, especially viruses and bacteria, are studied. The characteristics of microorganisms, the disease process, and the immune response are discussed.

SCI242 Bioethics and Medical Law 4

This course provides an understanding of the legal, moral, and ethical issues involved in the healthcare environment, including laws and standards that protect both the healthcare professional and patient. In addition, the bioethics component of the course focuses on the study of the ethical controversies involved in the practice of medicine, including euthanasia, abortion, doctor-patient confidentiality, human and animal experimentation, genetic engineering, stem-cell research, cloning, and access to healthcare.

SOC225 Introduction to Psychology 4

Examines the basic principles of psychology and their direct

application to the understanding of human behavior. Topics include human development, learning, memory, thinking, intelligence, creativity, motivation, emotion, adjustment, perception, abnormal behavior, and therapy.

Humanities Elective	4
FREE ELECTIVES	7
Health Sciences Specialization	25

90 QUARTER CREDIT HOURS REQUIRED FOR GRADUATION

In the final quarter most on-site courses are offered only during the late afternoon and early evening so as not to interfere with internships.

PATIENT CARE TECHNICIAN SPECIALIZATION COURSES

PCT101 Fundamentals of Patient Care	4
PCT111 Patient Care Procedures	4
PCT122 Introduction to Clinical	2
PCT132 Advanced Patient Care Techniques	4
PCT232 Patient Care Practicum	3
PCT256 Home Healthcare Techniques and Clinical	4
PCT270 Patient Care Capstone	4

SURGICAL PROCESSING TECHNICIAN SPECIALIZATION COURSES

SPT100 Introduction to Surgical Processing	3
SPT110 Surgical Instrumentation I: Inspection, Identification, Handling	4
SPT120 Surgical Instrumentation II: Sterile Packaging and Processing	4
SPT130 Sterilization, Cleaning, and Decontamination Techniques	4
SPT150 Surgical Processing Clinical Practicum	8
SPT151 Clinical Seminar	2

To qualify for graduation, Patient Care Technician students must participate in the Patient Care Technician certification examination.

To qualify for graduation, Surgical Processing Technician students are required to achieve a C+ in all Surgical Processing Technician (SPT) courses and SCI228 Microbiology. Students are also required to participate in the Certified Registered Central Service Technician (CRCST) certification examination.

Governing regulations may disqualify individuals from obtaining professional certification in this field based upon health or criminal records. Therefore, in addition to meeting the **immunization requirements** of Berkeley College and the State of New Jersey, students applying to the Health Sciences program must submit a physical assessment by a licensed physician, advanced practice registered nurse, or physician assistant, and provide authorization for a criminal background check prior to registration.

SAMPLE PROGRAM SEQUENCE - PATIENT CARE TECHNICIAN SPECIALIZATION

SAMPLE PROGRAM SEQUENCE - SURGICAL PROCESSING TECHNICIAN SPECIALIZATION

