KAISER PERMANENTE®
SCHOOL of ALLIED HEALTH SCIENCES

# Admissions Prerequisite Course Descriptions

Many colleges differ in terminology regarding course name and number; however, course descriptions and curriculum share similar components. The following information is provided to assist applicants in selecting college level courses that parallel KPSAHS prerequisites. Please consult your counselor at the college you attend to determine which courses meet KPSAHS prerequisites.

Please Note:

- Prerequisites must be completed and documented on an official sealed transcript prior to submitting the online application.
- Prerequisite courses must be documented on transcript(s) with a grade of "C" or higher. **KPSAHS does not accept Pass/Fail, Credit/No Credit courses for admissions prerequisites.**
- All prerequisite courses must be college level and a minimum of 3 semester units or 4 quarter units.
- Do not submit "in progress courses".

## Anatomy and Physiology with Lab (required for all programs)

To fulfill the KPSAHS requirement, the Anatomy and Physiology prerequisite must have a lab and cover all major body systems. Anatomy and Physiology may be taken as a combined course with a lab or as separate courses (i.e., Bio 430 & Bio 431) with labs. Both courses must be completed to fulfill the requirement. Colleges may also offer A&P as three consecutive courses with labs. In this case all three courses with labs must be completed to fulfill the requirement.

## College Algebra (or higher level course, i.e. Calculus, Statistics) (required for all programs)

To fulfill the KPSAHS requirement, the College Algebra prerequisite must include the following mathematical components: the real numbering system, solving and graphing linear equations and inequalities, polynomials, exponents and radicals, quadratic equations; second-degree equations and inequalities, functions, conic sections, systems of equations, and exponential and logarithmic functions.

## Written Communication (English Composition and Comprehension) (required for all programs)

To fulfill the KPSAHS requirement, the Written Communication prerequisite must contain curriculum that involves intensive training in critical reading, expository and argumentative writing, and library research. Components such as effective writing, evaluation of written work, and methods of clearly communicating and supporting ideas in organized and coherent essays and/or research papers must be included. Additionally, the course must include reading and understanding extensive and difficult texts from diverse perspectives and developing a command of rhetorical strategies that enable presentation of ideas cogently and persuasively. This prerequisite relates to English courses that fulfill college level graduation requirements at the college you attend such as: English 1A; Freshman English; English Second Language (ESL); or equivalent.

**Oral Communication (Verbal Communication, Fundamentals of Public Speech) (required for all programs)**

To fulfill the KPSAHS requirement, the Oral Communication prerequisite must contain the principles of good oral communication, with attention given to research and delivery techniques and critical evaluation of public communication. The course must address speaking formats such as informative, persuasive, impromptu and narrative presentations. The course must include techniques to assist proficiency in listening to and evaluating public speeches and developing a personal style of speaking in public. Examples of courses that fulfill the prerequisite are: Speech 120; Public Speaking; Speech 1A; Speech 300.

**Introduction to Computers (or higher level computer course) (required for Radiography Only)**

To fulfill the KPSAHS prerequisite, Introduction to Computers must include the fundamentals and structure of computers and computer systems. Additionally, this course must include applications of computer software (ex: word documents, spreadsheets, power point presentations).

**General Physics (or higher level Physics course) (required for Sonography Program)**

To fulfill the KPSAHS prerequisite General Physics must include components such as sound waves, heat, light, and motion. All components of the course, including lab (if offered) must be completed to fulfill the requirement. Your college may present the curriculum in more than one session. (I.e. two semesters). All sessions must be completed to fulfill the prerequisite.

**General Physics (or higher level Physics course) (required for Nuclear Medicine Program)**

To fulfill the KPSAHS requirement, the General Physics prerequisite must be designed for biological science students. Topics should include kinematics, Newton's Laws, dynamics of rigid bodies, momentum, and work & energy. Must include related laboratory experiments. All sessions of the course including lab (if offered) must be completed to fulfill the requirement.

**Medical Terminology (required for Nuclear Medicine and Sonography Programs) (suggested for Radiography Program)**

To fulfill the KPSAHS requirement, the Medical Terminology prerequisite must be solely dedicated to studying the linguistics of medical language. The course must study the basic structure of medical language and words including prefixes, suffixes, root words, combining forms, plurals, and abbreviations. This course must also include pronunciation, spelling and definitions of medical terms with emphasis on building a professional vocabulary required for working in the medical field.

**General Chemistry with Lab (required for Nuclear Medicine Program)**

To fulfill the KPSAHS prerequisite General Chemistry must present principles of General Chemistry for students studying science, engineering, or medical professions. Topics must include atomic structure and theory, the periodic table, bonding, gas laws, liquids and solids, oxidation-reduction, chemical equations, stoichiometry, matter and energy, solutions, ionization, thermochemistry and equilibrium concepts. Laboratory must include quantitative and qualitative experiments.

### Human Biology (Biology related to the human body only; plant, animal, or marine Biology will not be accepted) (suggested for Radiography Program)

To fulfill the KPSAHS prerequisite Biology must be structured with emphasis on the human model and include the following components: general introduction to cell structure/cycle and function, basic concepts of living organisms, metabolism, human evolution, genetics, and human impact on the environment. Colleges may offer Biology as a separate course or as continuation courses (i.e. Bio 250 and Bio 251). The appropriate lab for the course is also required. All components of the course including lab (if offered) must be completed to fulfill the requirement.

### Humanities (required for Nuclear Medicine Program)

To fulfill the KPSAHS requirement, the Humanities prerequisite must examine the study of human culture. Humanities courses vary in scope and may include any of the following examples: Performing Arts, Theater, Art History, and Ancient and modern Languages/Literature, Music and Musicology, Classics, Greek and Roman Civilization/Culture, Western Cultures and Global Studies and Art Appreciation. Additionally, courses listed as “arts/humanities” from your college catalog may also fulfill the prerequisite.

### Social Sciences (required for Nuclear Medicine Program)

To fulfill the KPSAHS requirement, the Social Science(s) prerequisite must focus on the academic disciplines concerned with society and human behavior. Courses can include any of the following: History, Political Sciences, Sociology, Anthropology, Archaeology, Criminology, Economics, Education, International Relations, Geography, Psychology, Area Studies, Communication Studies, Cultural Studies, Law and Linguistics. Additionally, courses listed as “social science(s)” from your college catalog may also fulfill the prerequisite.

## Suggested / Recommended Courses

In addition to the above required prerequisite courses, there are also supplementary skills and knowledge which would be of benefit to a student. Therefore, applicants can further demonstrate their qualifications by listing on the application any college level coursework they have completed in the subject areas of suggested/recommended courses.