



## GENERAL PREREQUISITE COURSE DESCRIPTIONS FOR GENERAL DIAGNOSTIC MEDICAL and CARDIAC SONOGRAPHY at SACRAMENTO ULTRASOUND INSTITUTE

The following general course descriptions are designed to assist applicants in selecting college-level courses equivalent to SUI's required prerequisites. Each course can be found on the program page in the SACRAMENTO ULTRASOUND INSTITUTE'S (SUI) Catalog.

### **HUMAN ANATOMY AND PHYSIOLOGY:**

To meet this prerequisite requirement, the course must be designed to provide students with knowledge of the human body whilst addressing all major body systems. Anatomy and Physiology may be taken as a combined course or as two separate courses. Both courses must be completed to fulfil the requirement of a minimum of 6 semester credits. Colleges may also offer A&P as three consecutive courses. In this case, all three courses must be completed to fulfil the requirement.

The course(s) must be a minimum of ten quarter credits or six-semester credits with grade B or better.

### **GENERAL PHYSICS (OR HIGHER-LEVEL PHYSICS COURSE):**

To meet this prerequisite requirement, this course must be designed for biological science students. Topics should include kinematics, Newton's Laws, dynamics of rigid bodies, momentum, and work & energy. Colleges may present the curriculum in more than one session. (I.e., two semesters). All sessions of the course must be completed to fulfil the requirement. Lab is not required unless it is part of the course.

The course(s) must be a minimum of five quarter credits or three-semester credits with grade B or better.

### **MATHEMATICS (COLLEGE ALGEBRA OR HIGHER-LEVEL COURSE, I.E. CALCULUS, STATISTICS):**

To meet this prerequisite requirement, this course 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. Examples of courses that fulfill the prerequisite are Intermediate Algebra, College Algebra, Precalculus Mathematics, Statistics, or equivalent.

The course(s) must be a minimum of five quarter credits or three-semester credits with a grade of B or better to meet prerequisite requirements.

**COMMUNICATIONS SKILLS (WRITTEN OR ORAL; ENGLISH COMPOSITION, VERBAL COMMUNICATION, FUNDAMENTALS OF PUBLIC SPEECH):**

To meet this prerequisite requirement, this course must be either written or oral communication. The oral communication course must contain the principles of effective communication, with attention given to research /delivery techniques with critical evaluation of public communication. The written communication course must contain a curriculum that involves training in critical reading, expository and argumentative writing, and library research. Examples of courses that fulfill the prerequisite are Public Speaking, College Composition, English Literature, Analytical and Critical Thinking in Writing, English Second Language (ESL), or equivalent.

The course(s) must be a minimum of five quarter credits or three semester credits with grade B or better to meet prerequisite requirements.

**NOTE TO PROSPECTIVE SUI STUDENTS:**

Please visit our [Transfer Credit Database](#) for prerequisite course self-evaluation.

If you do not see your courses listed, please email [transcripts@sui.edu](mailto:transcripts@sui.edu) for further assistance.

**RESOURCES**

SUI accepts courses from the following online platforms:

- **Straighterline:** To learn more, please visit <https://www.straighterline.com/>. Find SUI's accepted courses by clicking here: <https://www.straighterline.com/colleges/sacramento-ultrasound-institute/>

For questions about the program prerequisites please contact [transcripts@sui.edu](mailto:transcripts@sui.edu).

For questions about the application/enrollment process please contact [admissions@sui.edu](mailto:admissions@sui.edu).