Course Requirements

51 hours distributed as follows:

**Domain 1: Religion & Humanities**

- **Religion**
  Take 4 hours of religion courses:
  (4 hours required per year of attendance at a SDA College)

**Domain 2: Scientific Inquiry & Analysis**

- **Natural Sciences**
  Take the following required courses:
  - BIOL 101 Human Anatomy 5
  - BIOL 102 Human Physiology 5
  - BIOL 223 Medical Terminology 2
  - CHEM 101 Introductory Chemistry 4
  Take one of the following options: 0-6
  - 1 year of high school physics with a grade of C or better (0)
  - PHYS 105/106L Introduction to Physics & Lab (6)
  Noncredit algebra requirement- take one of the following:
  - 2 years of high school Algebra with a grade of C or better (0)
  - MATH 096 Basic Algebra II (4)
  *This course is remedial and will not count for credit.*

- **Social Sciences**
  Take at least one of the following courses: 3-4
  - ANTH 124 Cultural Anthropology (4)
  - PSYC 121 General Psychology (4)
  - SOCI 121 Introduction to Sociology (4)
  - SOCI 355 “Racial” and Ethnic Relations (3)

**Domain 3: Communication**

Take the following required courses:
- ENGL 101+102 College English I, II 4+4
Take one of the following options:
  - One year of HS computer coursework, grade of C or better.
  - INFS 147 PC World Processing (1)
  - INFS 148 PC Spreadsheets (1)

**Domain 4: Health & Wellness**

Not required

**Domain 5: Electives**

Take additional electives as needed to meet the minimum requirement of 51 transferable quarter hours.

**Observation/Work Experience:**

Students are required to complete a minimum of 8 hours of career observation in a CEP department, including observations of at least 2 exams.

**PLEASE NOTE that C minus (C-) grades are not transferable for credit to Loma Linda University**

**Health Sciences, A.S.**

Pacific Union College offers an A.S. degree with a major in Health Sciences. This major can be taken in conjunction with the pre-clinical laboratory science requirements. For more information, see guidesheet NHSC-03 or contact the Health Sciences advisor in the Nursing and Health Sciences Department.

**Occupational Information**

**General Areas of Service**

Electrophysiology is a subspecialty of cardiology that focuses on treating heart rhythm abnormalities. The Cardiac Electrophysiology Technologist will assist the Cardiologist during invasive procedures, including implantable cardioverter defibrillator (ICD) and cardiac resynchronization therapy device implantations.

**Professional Training**

The A.S. degree prepares the graduate for RCES & IBHRE Certifications.

**Denominational Service**

Adventist hospitals and the worldwide mission work need cardiac electrophysiology technologists.

**Job Outlook**

Good. Hospitals need electrophysiology professionals to meet emerging challenges of the healthcare science and therapy of electrophysiology. Nationally and in California the job outlook now appears bright.
Sample One Year Program

This sample curriculum is designed to show you how a program may be constructed and to help you select a proper sequence of courses in the major. It is not likely that these courses can always be taken in the order given. Your advisor will help you design a personalized program of studies.

<table>
<thead>
<tr>
<th>First Year</th>
<th>F</th>
<th>W</th>
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<tbody>
<tr>
<td>Intro Chemistry</td>
<td>4</td>
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<td>Human Anatomy</td>
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<td>Human Physiology</td>
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<tr>
<td>Medical Terminology</td>
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<tr>
<td>College English I, II</td>
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<td>Religion</td>
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<tr>
<td>Exercise Science Activity</td>
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<td>1</td>
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</tr>
<tr>
<td>Electives</td>
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<td>4</td>
<td>7</td>
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</table>

Total: 17 17 17

Second Year is taken at Loma Linda University.

* See “Course Requirements” listed on previous page
This sequence assumes you have completed algebra, physics, and computer coursework in high school. If you have not completed this coursework, it will need to be added to the college curriculum.