Cardiopulmonary Science Concentration Suggested Course Sequence

**Freshman Year**

**First Semester**

- **ENGL 1010 - Critical Reading and Expository Writing** (3 credits)
- Mathematics (3-4 credits)
- **HSCI 2010 - Anatomy and Physiology I** (4 credits) *
- **HSCI 2011 - Anatomy and Physiology Laboratory I** (0 credit) *
- PSYC 1310 – Introduction to Psychology (3 credits)

Semester Total: 13-14 Credit Hours

**Second Semester**

- **ENGL 1020 - Critical Thinking and Argumentation** (3 credits)
- **HSCI 2020 - Anatomy and Physiology II** (4 credits) *
- **HSCI 2021 - Anatomy and Physiology Laboratory II** (0 credit) *
- Oral Communication Elective (3 credits)
- Social/Behavioral Sciences Elective (3 credits)

Semester Total: 13 Credit Hours

**Sophomore Year**

**First Semester**

- **HIST 2010 - The United States to 1877** (3 credits)
- **HSCI 2230 - Introduction to Microbiology** (4 credits)
- **HSCI 2231 - Introduction to Microbiology Laboratory** (0 credit)
- **CHEM 1030 - Introduction to Chemistry Survey** (4 credits) *
- **ALHE 2010 - Introduction to Allied Health** (2 credits) *
- Literature Elective (3 credits)

Semester Total: 16 Credit Hours

**Second Semester**

- **HIST 2020 - The United States since 1877** (3 credits)
- **ALHE 2020 - Patient Care and Assessment** (3 credits) *
- **PHYS 1030 - Introduction to Physics Survey** (4 credits) *
- Humanities Elective (3 credits)
- Fine Arts Elective (3 credits)

Semester Total: 16 Credit Hours
Junior Year

First Semester

- **CPSC 3000 - Foundations of Cardiopulmonary Science** (4 credits)
- **CPSC 3010 - Foundations of Cardiopulmonary Science Lab** (3 credits)
- **CPSC 3040 - Pharmacology in Cardiopulmonary Science** (3 credits)
- ALHE 4030 – Professional Issues in Allied Health (3 credits)

Semester Total: 13 Credit Hours

Second Semester

- **CPSC 3100 - Cardiopulmonary Critical Care** (3 credits)
- **CPSC 3110 - Cardiopulmonary Critical Care Lab** (3 credits)
- **CPSC 3150 - Clinical Education I** (3 credits)
- ALHE 4100 – Information Management in Allied Health (3 credits)

Semester Total: 12 Credit Hours

Summer

- **CPSC 3140 - Cardiopulmonary Disease Pathology** (3 credits)
- **CPSC 3350 - Clinical Education II** (4 credits)
- **CPSC 3550 - Patient Centered Practice** (3 credits)

Semester Total: 10 Credit Hours

Senior Year

First Semester

- **CPSC 4100 - Advanced Cardiopulmonary Critical Care** (3 credits)
- **CPSC 4150 - Clinical Education III** (3 credits)
- **CPSC 4500 - Cardiopulmonary Diagnostic and Therapeutic Care** (3 credits)
- ALHE 4060 - Research in Allied Health (3 credits)
- **ENVH 3030 - Law and Ethics for Allied Health** (3 credits)

Semester Total: 15 Credit Hours

Second Semester

- **CPSC 4200 - Neonatal and Pediatric Cardiopulmonary Care** (3 credits)
- **CPSC 4350 - Clinical Education IV** (3 credits)
- ALHE 4070 - Leadership in Allied Health (3 credits)
- **COBH 4607 - Gerontology and Health** (3 credits)

Semester Total: 12 Credit Hours

Total: 120 Credit Hours