# Butte College
# Associate of Science Degree
# Health Occupations

## 1. Statement of Program Goals and Objectives

The goal of this program is to provide students with the opportunity to prepare for entry into various health occupations programs at Butte College and to complete the prerequisites and general education of the Licensed Vocational Nursing (LVN), Registered Nursing (RN), LVN-RN, and Respiratory Therapy (RT) programs before acceptance into these programs. Students may also continue their education by transferring to CSU, Chico to complete the BS in Nursing.

Upon completion of the program the student will be able to:

1. Apply principles of anatomy and physiology to describe maintenance of homeostasis at the cellular and systemic level.
2. Analyze and interpret data as it relates to physiological and diagnostic applications.
3. Apply principles of anatomy, physiology, and microbiology to describe the pathophysiology of human diseases.
4. Explain pharmaceutical drug actions based on knowledge of chemical and physiological mechanisms.
5. Express knowledge of current scientific and social issues affecting health care systems.

## 2. Catalog Description

An Associate of Science in Health Occupation Preparation degree readies students for programs such as nursing, respiratory therapy, physical therapy assistant, occupational therapy assistant, radiologic technology, and dental hygiene. This degree also prepares students to transfer to a four-year institution to continue studies in their area of interest. Students should consult with a counselor for more information on varied requirements for specific pathways.

## 3. Program Requirements

| | Course | Title | Units | Sub | Option | Sequence |
|---|---|---|---|---|---|---|
| **Program Total** | | | **27-42** | | | |
| **Required Core (students must complete core courses plus one option)** | | | **24-25** | | | |
| | BIOL 20 | Human Anatomy | | 4 | | Yr1/Sem 1 |
| | BIOL 21 | Human Physiology | | 4 | | Yr2/Sem 1 |
| | Select one: | | | 5 | | Yr1/Sem 2 |
| | CHEM 1 | General Chemistry I | | | 5 | |
| | CHEM 51 | Elementary Inorganic Chemistry | | | 5 | |
| | Select one: | | | 4 | | Yr1/Sem 1 |
| | MATH 18/18s | Introduction to Statistics/with Support | | | 4 | |
| | MATH 26 | College Algebra | | | 4 | |
| | Select one: | | | 4 | | Yr1/Sem 1 |

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| | | | | | | |
|---|---|---|---|---|---|---|
| | ENGL 2 | Reading and Composition | | | 4 | |
| | ENGL 3 | Reading and Composition Intensive | | | 4 | |
| **LVN Option** | | | **3-4** | | | |
| | Select one: | | | 3-4 | | Yr1/Sem 2 |
| | FN 2 | Nutrition | | | 3 | |
| | FN 50 | Nutrition and Diet Therapy | | | 4 | |
| **RN/LVN-RN Option** | | | **16-17** | | | |
| | BIOL 15 | Introduction to Microbiology | | 4 | | Yr2/Sem 1 |
| | PSY 1 | Principles of Psychology | | 3 | | Yr1/Sem 2 |
| | Select one: | | | 3 | | Yr1/Sem 2 |
| | CMST 2/2H | Public Speaking/Honors Public Speaking | | | 3 | |
| | CMST 4 | Small Group Communication | | | 3 | |
| | CMST 10 | Interpersonal Communication | | | 3 | |
| | Select one: | | | 3-4 | | Yr1/Sem 2 |
| | FN 2 | Nutrition | | | 3 | |
| | FN 50 | Nutrition and Diet Therapy | | | 4 | |
| | Select one: | | | 3 | | Yr1/Sem 2 |
| | ANTH 4/4H | Cultural Anthropology/Honors Cultural Anthropology | | | 3 | |
| | SOC 2 | Principles of Sociology | | | 3 | |
| | SOC 4 | Modern Social Problems | | | 3 | |
| **Respiratory Therapy Option** | | | **13** | | | |
| | ALH 6 | The Critical Six Soft Skills in the Professional Healthcare Environment | | 3 | | Yr2/Sem 1 |
| | BIOL 15 | Introduction to Microbiology | | 4 | | Yr2/Sem 1 |
| | PSY 1 | Principles of Psychology | | 3 | | Yr1/Sem 2 |
| | Select one: | | | 3 | | Yr1/Sem 2 |
| | CMST 2/2H | Public Speaking/Honors Public Speaking | | | 3 | |
| | CMST 4 | Small Group Communication | | | 3 | |

| | | |
|---|---|---|
| **Major Total:** | 24 -41 Units | |
| **Double-Counted CSU-GE/IGETC:** | 13-25 Units | 13-19 Units |
| **CSU-GE or IGETC:** | 39 Units | 37 Units |
| **Electives (CSU Transferable):** | | |
| **Degree Total:** | | 60 Units |

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**4. Master Planning**

This program is being developed to include the core prerequisite courses students need for various health occupations programs, such as nursing, respiratory therapy, physical therapy assistant, occupational therapy assistant, dental hygiene, and radiologic technologies, and to prepare students for transfer into four-year and graduate programs in health occupations. Currently, students and academic counselors need to navigate educational planning and program requirements without a specific degree pathway that aligns with student goals for health-related occupations. The program aligns with degree offerings at other colleges and will ensure that students can be enrolled in a financial aid eligible program while taking prerequisite classes to prepare for their health occupation program.

**5. Enrollment and Completer Projections**

| | | Year 1 | | Year 2 | |
|---|---|---|---|---|---|
| **Course** | **Title** | **Annual # Sections** | **Annual Enrollment Total** | **Annual # Sections** | **Annual Enrollment Total** |
| ANTH 4/4H | Cultural Anthropology/Honors Cultural Anthropology | 10 | 279 | 10 | 279 |
| ALH 6 | The Critical Six Soft Skills in the Professional Healthcare Environment | 7 | 172 | 7 | 172 |
| BIOL 15 | Introduction to Microbiology | 11 | 257 | 11 | 257 |
| BIOL 20 | Human Anatomy | 38 | 891 | 38 | 891 |
| BIOL 21 | Human Physiology | 12 | 284 | 12 | 284 |
| CHEM 1 | General Chemistry I | 12 | 286 | 12 | 286 |
| CHEM 51 | Elementary Inorganic Chemistry | 16 | 382 | 16 | 382 |
| CMST 2/2H | Public Speaking/Honors Public Speaking | 57 | 1244 | 57 | 1244 |
| CMST 4 | Small Group Communication | 20 | 551 | 20 | 551 |
| CMST 10 | Interpersonal Communication | 6 | 138 | 6 | 138 |
| ENGL 2 | Reading and Composition | 101 | 2511 | 101 | 2511 |
| ENGL 3 | Reading and Composition Intensive | 28 | 509 | 28 | 509 |
| FN 2 | Nutrition | 35 | 1055 | 35 | 1055 |
| FN 50 | Nutrition and Diet Therapy | 3 | 75 | 3 | 75 |
| MATH 18/18s | Introduction to Statistics/with Support | 58/8 | 1703/173 | 58/8 | 1703/173 |
| MATH 26 | College Algebra | 15 | 354 | 15 | 354 |
| PSY 1 | Principles of Psychology | 46 | 1314 | 46 | 1314 |
| SOC 2 | Principles of Sociology | 18 | 516 | 18 | 516 |
| SOC 4 | Modern Social Problems | 2 | 27 | 2 | 27 |

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**6. Place of Program in Curriculum/Similar Programs**

The Pre-Health Occupations program will be under the direction of the Biology Department. It will feed into the Licensed Vocational Nursing (LVN), Registered Nursing (RN), LVN-RN, and Respiratory Therapy (RT) programs.

**7. Similar Programs at Other Colleges in Service Area**

American River, Sacramento City, and Woodland colleges have Pre-Health Occupations programs, but would not compete with this program.