

# APPLIED SCIENCE

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## Degrees Offered

Bachelor of Arts

## Majors Offered

Applied Science

## Program Description

The goals of the applied science major are as follows:

1. Promote the development of an academic foundation in both the sciences and humanities.
2. Broadened student perspectives so each can adapt to the needs of a changing society and health care systems.
3. Promote the development of graduates who are able to apply natural / basic science knowledge to the practice of pharmacy or dentistry.
4. Enable Pre-Pharmacy and Pre-Dentistry students admitted to professional doctorate programs (PharmD, DDS) the opportunity to earn a baccalaureate degree.

## Admission

### Eligibility Criteria

Students may enter the Bachelor of Arts in Applied Science program based on all of the following criteria.

- Students admitted to the Pre-Pharmacy Advantage program or the Pre-Dental Advantage program.
- Students admitted to the PharmD or DDS professional doctorate degree program at the University of the Pacific.
- Students without a prior baccalaureate degree and no concurrent enrollment in another baccalaureate degree program.

### Application Process

Students must apply to the Bachelor of Arts in Applied Science program by completing the appropriate section of the Change of Program form.

- Students entering the Pre-Pharmacy Advantage program or Pre-Dental Advantage program may enter the Bachelor of Arts in Applied Science program upon admission to the University.
- Students are encouraged to apply to the Bachelor of Arts in Applied Science program at least one year prior to the expected graduation from that program.

### Transcripts

- Students must have official transcripts from all other colleges and universities submitted to the University's Office of Admission in Stockton.
- Students may request copies of official transcripts housed in the School of Dentistry to be sent to the University's Office of Admission in Stockton.

- Unofficial copies of all transcripts should also be sent to the designated program director.
- The Bachelor of Arts in Applied Science is not eligible for the Pacific Transfer Admission Agreement (TAA).

### Learning Outcomes

- a. Demonstrate and apply the discipline-specific knowledge and skills within their field of study
- b. Effectively communicate verbally and in written forms appropriate for the intended audience
- c. Actively collaborate with other team members in a manner that promotes respect for others and shared responsibility towards accomplishing a common
- d. Display sensitivity and respect to the beliefs, values, and practices of other cultures
- e. Demonstrate ability to retrieve correct information from appropriate resources
- f. Use qualitative and quantitative data in decision making
- g. Exhibit behaviors that are consistent with the professional expectations of those in the pharmacy profession

## Bachelor of Arts Major in Applied Science

Students must complete a minimum of 124 units with a Pacific cumulative and major/program grade point average of 2.0 in order to earn the bachelor of arts degree with a major in applied science. At least 64 semester (96 quarter) units must be from undergraduate courses and at least 60 semester (90 quarter) units must be from professional doctorate courses.

### I. General Education Requirements

For more details, see General Education (<http://catalog.pacific.edu/stocktongeneral/generaleducationprogram/>)

Minimum 28 units and 9 courses that include:

#### A. CORE Seminars (2 courses)

CORE 001	Problem Solving & Oral Comm	3
CORE 002	Writing and Critical Thinking	4

**Note: 1)** CORE Seminars cannot be taken for Pass/No Credit. **2)** Transfer students with 28 or more transfer credits taken after high school are exempt from both CORE seminars.

#### B. Breadth Requirement (7 courses, at least 3 units each)

At least one course from each of the following areas:

Artistic Process & Creation
Civic & Global Responsibility
Language & Narratives
Quantitative Reasoning
Scientific Inquiry
Social Inquiry
World Perspectives & Ethics

**Note: 1)** No more than 2 courses from a single discipline can be used to meet the Breadth Requirement.

### C. Diversity and Inclusion Requirement

All students must complete Diversity and Inclusion coursework (at least 3 units)

**Note: 1)** Diversity and Inclusion courses can also be used to meet the breadth category requirements, or major or minor requirements.

### D. Fundamental Skills

Students must demonstrate competence in:

Writing

Quantitative Analysis (Math)

**Note: 1)** Failure to satisfy the fundamental skills requirements by the end of four semesters of full-time study at the University is grounds for academic disqualification.

## II. Major Requirements

### Undergraduate Courses

- A minimum of 64 semester or 96 quarter units of undergraduate courses is required
- Of the required 64 (96 quarter) units, 24 (36 quarter) units must be non-science undergraduate courses. These may include Pacific CORE and non-science Breadth Program courses in addition to other non-science courses
- 2.0 GPA from these units is required to count towards the degree

### Entry-Level Professional Doctorate Health Sciences Program Courses

- A minimum of 60 semester (90 quarter) units of professional doctorate courses is required
- 2.0 GPA from these units is required to count towards the degree
- All required courses in the Doctor of Dental Surgery or Doctor of Pharmacy program can be used towards this requirement.
- Elective courses in the Doctor of Dental Surgery or Doctor of Pharmacy program will be considered on an individual basis
- The criteria for courses that meet the requirements of the Bachelor of Arts in Applied Science degree include courses in the entry-level professional doctorate health sciences curriculum that meet at least one of the following criteria:
  - Courses with an emphasis on application of natural science knowledge to health care discipline-specific problems
  - Courses with an emphasis on basic science
  - Courses with an emphasis on other program outcomes, including laws, regulations, ethics, business and practice management, teamwork, leadership, cultural competence, community service, etc.