

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.