

**PROGRAM APPROVAL APPLICATION**  
**NEW or SUBSTANTIAL CHANGE or LOCALLY APPROVED**  
(This application may not exceed 3 pages)

**Fill In Form**

A.S. Degree in Public Health  
 Proposed Program Title

Fall 2017  
 Projected Program Start Date

Mt San Antonio College  
 College

Mt San Antonio College  
 District

**Contact Information**

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 Voting Member

Dean, Technology and Health Division  
 Title

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**Goal(s) of Program (Check all that apply):**

- Career Technical Education (CTE)       Transfer       Other

**Type of Program (Check all that apply):**

- Certificate of Achievement 12-17 (or 17-27 quarter) units       Certificate of Achievement 18+ semester (or 27+ quarter) units  
 Associate of Science Degree       Associate of Arts Degree

**Reason for Approval Request (Check One):**

- New Program       Substantial Change       Locally Approved

**Program Information**

1201.00      Recommended [Taxonomy of Program \(TOP\) Code](#)

41-43      Units for Major-Degree

41-43      Total Units for Degree

\_\_\_\_\_      Required Units-Certificate

**Written Form**

**1. Insert the description of the program as it will appear in the catalog. (See PCAH pp. 142 and 170)**

The AS degree in Public Health at Mt San Antonio College is an interdisciplinary program grounded in the biological sciences and designed to prepare students for entry level employment in public health fields. Students completing this program will exemplify a high level of health literacy and will be exposed to a large variety of disciplines. Through this preparation, they will improve their understanding of the relationship of the environment to health, recognize and evaluate the economic impact of changing demographics on health care, identify and control disease outbreaks, and develop interventions to promote healthy behavior.

**2. Provide a brief rationale for the program.**

The Institute of Medicine (IOM) of the National Academies reported in 2003 that a healthy public was dependent on a well-educated public health workforce and a health literate public health citizenry. They recommended that public health education should be incorporated into undergraduate college preparation. Three lower-division core courses were developed for these programs; Public Health 101, the introductory course, Epidemiology 101, introducing the scientific method, critical thinking, inquiry based analysis, and teamwork, and Global Health 101, which applied the aforementioned principles to developed and developing countries. Since then, a few community colleges on the East Coast have developed associate degrees in public health. Last year in October in California, a transfer model curriculum in public health was published and this program, meets the requirements for the TMC, but also incorporates the three core courses, and a scientifically rigorous program that provides our students with many options in continuing their education and finding employment in public health. By incorporating the recommendations of the ASPPH into our AS degree in Public Health we anticipate that we will be well-positioned for future program credentialing, when this becomes available to community college public health programs. Additionally, many health related CTE programs would benefit from the courses in this degree. Advisory committee members from the public health workforce, including Kaiser Permanente and City of Hope, have indicated that they would be willing to hire students who completed this program.

**3. Summarize the Labor Market Information (LMI) and employment outlook (including citation for the source of the data) for students exiting the program. (See PCAH pp. 85-88, 136, 147, 148, 165, 168, and 176)**

The BLS job outlook indicates that the growth rate of employment in public health is increasing at a faster rate than average at 13% with an estimated 15.6 million new health care positions. The increase in support positions in health care arising from Obamacare and the emphasis on preventative health care will only increase demand for education in public health. It is difficult to estimate accurately the employment outlook of careers in public health because they are so broad in scope. An individual with this degree could be hired as an epidemiologist, public health nurse, public health microbiologist, occupational health and safety specialist, healthcare social worker, or involved in health education, and many other health related professions. Below are a few of the estimates reported by the California Employment Development Department for a few of these careers.

**Regional Workforce Data for LA County**

| Occupational Title  | Estimated Employment 2012** | Projected Employment 2022 | Numeric Change 2012-2022 [1] | Percent Change 2012-2022 | Annual Average Percent Change |
|---|-----------------------------|---------------------------|------------------------------|--------------------------|-------------------------------|
| <b>Statisticians</b>  | <b>520</b>                  | <b>670</b>                | <b>150</b>                   | <b>28.8%</b>             | <b>2.9%</b>                   |
| <b>Agricultural and Food Science Technicians</b>                          | 540                         | 570                       | 30                           | 5.6%                     | 0.6%                          |
| <b>Environmental Science and Protection Technicians, Including Health</b> | 620                         | 810                       | 190                          | 30.6%                    | 3.1%                          |
| <b>Healthcare Social Workers</b>  | 3,730                       | 4,610                     | 880                          | 23.6%                    | 2.4%                          |
| <b>Health Educators</b>   | 1,670                       | 2,020                     | 350                          | 21.0%                    | 2.1%                          |
| <b>Community Health Workers</b>   | 1,630                       | 1,950                     | 320                          | 19.6%                    | 2.0%                          |
| <b>Occupational Health and Safety Specialists</b>                         | 1,820                       | 2,260                     | 440                          | 24.2%                    | 2.4%                          |
| <b>Occupational Health and Safety Technicians</b>                         | 170                         | 200                       | 30                           | 17.6%                    | 1.8%                          |

4. List similar programs at other colleges in the Los Angeles and Orange County Region which may be adversely impacted. (There is space for 10 listings, if you need more, please contact [laocrc@sccollege.edu](mailto:laocrc@sccollege.edu))  
 There are no other programs in Public Health at the community college level in California.
5. List all courses required for program completion, including core requirements, restricted electives and prerequisites. (There is space for 20 listings, if you need more, please contact [laocrc@sccollege.edu](mailto:laocrc@sccollege.edu)).  
 (See PCAH pp. 143 and 171)

| Courses  | Course Number            | Course Title   | Units |
|----------|--------------------------|--|-------|
| Required | Math 110 or<br>Math 110H | Introduction to Statistics   | 3     |
| Required | BIOL (PUBH)24            | Introduction to Public Health                                      | 3     |
| Required | BIOL 1 or BIOL4          | Introduction to Biology/Biology Majors with lab                    | 4     |
| Required | CHEM 10, 40,<br>or 50    | Introduction to Chemistry, General Chemistry for<br>Science majors | 4, 5  |
| Required | MICRO 22, 1              | Introduction to Microbiology/Principles of<br>Microbiology         | 4,5   |
| Required | SOC 1 or ANTH<br>22/5    | Sociology or Cultural Anthropology                                 | 3     |
| Required | ANAT 10A, 35             | Human Anatomy with lab   | 4,5   |
| Required | ANAT 10B, 36             | Human Physiology with lab  | 4,5   |
| Required | PUBH 26                  | Introduction to global public health                               | 3     |
| Required | PUBH 22                  | Introduction to epidemiology                                       | 3     |
| Elective | PUBH 27                  | Public Health and the Environment                                  | 3     |
| Elective | PUBH 29                  | Public Health Microbiology   | 3     |
| Elective | PUBH 28                  | Public Health and Bioethics  | 3     |
| Elective | NUTR 110                 | Introduction to Nutrition Science                                  | 3     |
| Elective | BIOL 5                   | Contemporary Health Issues   | 3     |
| Elective | PUBH 30                  | Principles of Public Health and Infectious<br>Diseases             | 3     |
|          | TOTAL                    | CORE   | 35-37 |
|          | TOTAL                    | WITH 2 ELECTIVES   | 41-43 |
|          |                          |  |       |
|          |                          |  |       |

**6. Include any other information you would like to share.**

This program provides students with excellent training both for employment in numerous health occupations, continued education, and advancement in a number of primary health care careers. By applying the recommendations of the ASPPH to the existing TMC, we are able to develop a program that trains students broadly in public health, and can also be used to enhance job opportunities in public health and in many other health care disciplines. We are also in the unique position to create the first community college public health program, making these courses available to our diverse population base and improving health literacy. Once this program is approved, we will move forward to develop an online option so that students who are unable to come to campus for classes will have an opportunity to benefit from this program and the course offerings.