# Advanced Placement (AP) Biology Course No. 03056 Credit: 1.0

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| **Student name:**  |  | **Graduation Date:** |  |

Pathways and CIP Codes:Biomedical (14.0501); Health Science (51.9999)

Course Description: **Technical Level:** Adhering to the curricula recommended by the College Board and designed to parallel college level introductory biology courses, AP Biology courses stress basic facts and their synthesis into major biological concepts and themes. These courses cover three general areas: molecules and cells (including biological chemistry and energy transformation); genetics and evolution; and organisms and populations (i.e., taxonomy, plants, animals, and ecology). AP Biology courses include college-level laboratory experiments. Special attention should be given to health careers, related technical skills, and technology associated with these professions.

Directions:The following competencies are required for full approval of this course. Check the appropriate number to indicate the level of competency reached for learner evaluation.

**RATING SCALE:**

4. Exemplary Achievement: Student possesses outstanding knowledge, skills or professional attitude.

3. Proficient Achievement:Student demonstrates good knowledge, skills or professional attitude. Requires limited supervision.

2. Limited Achievement:Student demonstrates fragmented knowledge, skills or professional attitude. Requires close supervision.

1. Inadequate Achievement:Student lacks knowledge, skills or professional attitude.

0. No Instruction/Training:Student has not received instruction or training in this area.

## Benchmark 1: State standards

### Competencies

| **#** | **DESCRIPTION** | **RATING** |
| --- | --- | --- |
| 1.1 | Meet all state academic standards for biology. |  |

## Benchmark 2: Health science related

### Competencies

| **#** | **DESCRIPTION** | **RATING** |
| --- | --- | --- |
| 2.1 | Identify content, skills and technology related to the health science field. |  |
| 2.2 | Apply mathematical computations related to common health industry procedures. |  |
| 2.3 | Apply mathematical principles to conversion equations commonly used in health related fields. |  |
| 2.4 | Apply mathematical principles involving temperature, weights, and measures commonly used in health-related fields. |  |
| 2.5 | Analyze diagrams, charts, graphs and tables to interpret results commonly found in health-related fields. |  |
| 2.6 | Recognize, organize, write and compile technical information and summaries that relate to health science. |  |

I certify that the student has received training in the areas indicated.

Instructor Signature:

For more information, contact:

CTE Pathways Help Desk

(785) 296-4908

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