# Biology Course No. 03051/03052 Credit: 1.0

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

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

Course Description: **Introductory Level:** Biology courses are designed to provide information regarding the fundamental concepts of life and life processes. These courses include (but are not restricted to) such topics as cell structure and function, general plant and animal physiology, genetics, and taxonomy. 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. |  |

## Benchmark 3: human body

### Competencies

| **#** | **DESCRIPTION** | **RATING** |
| --- | --- | --- |
| 3.1 | Describe the human body systems and common disease processes seen in the home health care setting. |  |
| 3.2 | Describe the difference between chronic and acute disease processes. |  |

## Benchmark 4: Safety

### Competencies

| **#** | **DESCRIPTION** | **RATING** |
| --- | --- | --- |
| 4.1 | Prevent accidents by using proper safety techniques for the prevention of accidents. |  |
| 4.2 | Identify and demonstrated skills mastering emergency care. |  |
| 4.3 | Identify and demonstrated skills mastering disaster preparedness. |  |
| 4.4 | Identify and demonstrated skills mastering safety in the home health setting. |  |

## Benchmark 5: state requirements

### Competencies

| **#** | **DESCRIPTION** | **RATING** |
| --- | --- | --- |
| 5.1 | Meet all state requirements for Home Health Aide certification and training. |  |
| 5.2 | Identify other requirements in neighboring states for Home Health Aide certification. |  |

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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