# Health Care Research & Clinical Skills B Course No. 36254 Credit: 1.0

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

Pathways and CIP Codes:Health Science (51.9999)

Course Description: **Technical Level:** An in-depth look at a specific topic, area of research, occupation/career, technique, or skill in the health science area, which has been selected by the teacher of record for study. Students may further explore the special topic by collaborating, observing, and participating in approved activities with local and regional health care professionals to offer Professional Learning Experiences (PLE).

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: Introduction

### Competencies

| **#** | **DESCRIPTION** | **RATING** |
| --- | --- | --- |
| 1.1 | Understand the scope of the selected special topic to be taught. |  |
| 1.2 | Identify new and emerging areas. |  |
| 1.3 | Identify business and industry in the region that are related. |  |
| 1.4 | Identify common technologies used. |  |
| 1.5 | Identify the core academics needed to succeed in this area. |  |
| 1.6 | Identify post-secondary programs that connect or relate to this area. |  |
| 1.7 | Research and discuss possible projects related to this area. |  |

## Benchmark 2: Academics

### Competencies

| **#** | **DESCRIPTION** | **RATING** |
| --- | --- | --- |
| 2.1 | Demonstrate a wide variety of measuring and common techniques (including but not limited to: solution calculations, data analysis, and graphing). |  |
| 2.2 | Demonstrate writing and reading skills associated with the topic area (including but not limited to: note booking, research, recording, and findings). |  |
| 2.3 | Use the scientific method to conduct a valid experiment and compose a thorough statement of results (including evidence, explanations error analysis and practical applications). |  |
| 2.4 | Identify common calculations and formulas used. |  |

## Benchmark 3: Lab Skills

### Competencies

| **#** | **DESCRIPTION** | **RATING** |
| --- | --- | --- |
| 3.1 | Demonstrate competence in any needed lab skills. |  |
| 3.2 | Describe and demonstrate appropriate preparation techniques. |  |
| 3.3 | Design and demonstrate techniques learned in project-based learning. |  |

## Benchmark 4: Careers

### Competencies

| **#** | **DESCRIPTION** | **RATING** |
| --- | --- | --- |
| 4.1 | Identify personal traits and attitudes desirable in a career ready member of a health team: Acceptance of criticism, Competence, Dependability, Discretion, Empathy, Enthusiasm, Honesty, Initiative, Integrity, Patience, Positive Attitude, Responsibility, Self-motivation, Tact, Team player, Willingness to learn. |  |
| 4.2 | Summarize professional standards as they apply to hygiene, dress, language, confidentiality and behavior. |  |
| 4.3 | Apply employability skills in healthcare: Chain of command, Communication Skills, Decision making, Flexible, Organization, Problem Solving, Scope of practice, Time Management, Work Ethic. |  |
| 4.4 | Research levels of education, credentialing requirements, and employment trends in health professions related to selected topic. |  |
| 4.5 | Distinguish differences among careers within a health science pathway: Biotechnology research and development, Diagnostic services, Health informatics, Support services, Therapeutic services. |  |
| 4.6 | Develop components of a personal portfolio: Letter of introduction, Resume, Sample Projects, Writing Sample,  Work-based Learning Documentation, Oral Report, Community Service / Service Learning, Credentials, Technology Skills, Leadership Examples. |  |
| 4.7 | Identify strategies for pursuing employment: Social media, Personal networking. |  |

## Benchmark 5: Personal Safety

### Competencies

| **#** | **DESCRIPTION** | **RATING** |
| --- | --- | --- |
| 5.1 | Apply personal safety procedures based on Occupational Safety and Health Administration (OSHA) and Centers for Disease Control (CDC) regulations. |  |
| 5.2 | Demonstrate principles of body mechanics during patient care: Ambulating, Lifting, Positioning. |  |
| 5.3 | Demonstrate and apply the use of personal protective equipment (PPE). |  |
| 5.4 | Apply safety techniques in the work environment: Ergonomics, Safe operation of equipment, Patient/client/employee safety measures |  |
| 5.5 | Observe all safety standards related to the occupational exposure to hazardous chemicals standard (safety data sheets [SDS]). |  |
| 5.6 | Comply with safety signs, symbols, and labels. |  |
| 5.7 | Practice fire safety in a healthcare setting. |  |
| 5.8 | Apply principles of basic emergency response in natural disasters and other emergencies (safe location, contact emergency personnel, follow facility protocols). |  |

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

Instructor Signature:

For more information, contact:

CTE Pathways Help Desk

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[pathwayshelpdesk@ksde.org](mailto:pathwayshelpdesk@ksde.org)



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