# Biosciences Workplace Experience Course No. 14998 Credit: 1.0

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

Pathways and CIP Codes:Biotechnology

Course Description: **Application Level:** Application level: Biosciences Workplace Experience provide students with work experience in fields related to Biotechnology. Goals are typically set cooperatively by the student, teacher, and work site supervisor. These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. Students will gain extensive knowledge in emerging trends, exploration of daily trends, understanding code of ethics, standards and regulations, safety, and legal requirements. research location (academic or industry) or within the school that has a biotechnology research capability. Collaboration and reference to the Work-Based Learning (WBL) Digital Reference Guide is recommended.

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: Worksite Preperation and Employability Skill

### Competencies

| **#** | **DESCRIPTION** | **RATING** |
| --- | --- | --- |
| 1.1 | Enhance Individual Plan of Study (IPS). |  |
| 1.2 | Complete a [Professional Learning Experience Plan](https://www.ksde.org/Portals/0/CSAS/CSAS%20Home/CTE%20Home/Kansas%20Work-Based%20Learning_Personalized%20Learning%20Plan%20(updated%202-2021).pdf?ver=2021-02-19-145506-330)). |  |
| 1.3 | Develop Career Comptencies to enhance employability and advancement in the biosciences field. |  |
| 1.4 | Develop good work habits and attributes necessary to become a responsible employee at school and worksite. |  |
| 1.5 | Apply knowledge and technical skill to current trends in industry. |  |

## Benchmark 2: Industry communication practices and standards

### Competencies

| **#** | **DESCRIPTION** | **RATING** |
| --- | --- | --- |
| 2.1 | Employ effective listening skills when working with client. |  |
| 2.2 | Employ customer service principles when working with consumers. |  |
| 2.3 | Evaluate and follow-up on customer service provided. |  |
| 2.4 | Employ safety skills and equipment usage in appropriate ways. |  |
| 2.5 | Be aware of MSDS (Material Safety Data Sheets) and other safety resources and employ those resources as required for the workplace. |  |

## Benchmark 3: Apply bioscience industry specific skills

### Competencies

| **#** | **DESCRIPTION** | **RATING** |
| --- | --- | --- |
| 3.1 | Exhibit knowledge of Good Lab Practices such as documentation, safety, quality control, and equipment handling. |  |
| 3.2 | Critically read scientific literature, write clearly and concisely about research, present complex scientific findings to a wide audience. |  |
| 3.3 | Demonstrate the ability to maintain open and clear communication with colleagues and supervisors. Share important information, such as changes to protocols, unexpected results, and safety concerns. |  |
| 3.4 | Protect the integrity of research data by avoiding data manipulation and ensuring accurate representation of results. |  |

## Benchmark 4: Student perceptions

### Competencies

| **#** | **DESCRIPTION** | **RATING** |
| --- | --- | --- |
| 4.1 | Access abilities, interest, aptitudes, prefences, personalites, and attitudes in regards to career choice. |  |
| 4.2 | Interpret and apply standard workplace policies. |  |
| 4.3 | Compile evidence of work experience and technical skill development. |  |
| 4.4 | Demonstrate the twelve identified Career Ready Practices by ACTE. |  |

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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