# Aviation Work Experience Course No. 40700 Credit: 0.5

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

Pathways and CIP Codes:Aviation Maintenance and Operations (47.0607) -

Course Description: An advanced topics, research, and **application level** course covering specific topics in aviation. Opportunities for Work-Based Learning (WBL) such as in-house training, job shadowing, and/or internships.(Prerequisite: Must take at least 1.0 credit of Technical and Application level courses combined.)

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.

**Prerequisite:** Must take at least 1.0 credit of Technical and Application level courses combined.

## Benchmark 1: Employability Skills and Career Development

### Competencies

| **#** | **DESCRIPTION** | **RATING** |
| --- | --- | --- |
| 1.1 | Complete a Work-Based Learning experience plan. |  |
| 1.2 | Enhance Individual Plan of Study through interest assessment(s). |  |
| 1.3 | Research and report on careers in aviation. |  |
| 1.4 | Research licensing certification and credentialing in the transportation industry. |  |
| 1.5 | Create a professional portfolio to document activities completed while working with a mentor or through an internship in the transportation industry. |  |
| 1.6 | Construct a portfolio of information about an aviation job of interest and a company where they will be able to perform that job. |  |
| 1.7 | Organize information about aviation career options. |  |
| 1.8 | Match personal interests with their aviation career goals. |  |
| 1.9 | Compare similar aviation business models. |  |
| 1.10 | Make observations about the types of businesses found at general aviation airports. |  |
| 1.11 | Apply concepts of professional etiquette in face-to-face and virtual meetings and use these concepts to secure and communicate with a professional mentor. |  |

## Benchmark 2: Making Informed Decisions for Business Operations

### Competencies

| **#** | **DESCRIPTION** | **RATING** |
| --- | --- | --- |
| 2.1 | Demonstrate sound customer services principles when working with customer or client to complete a project. |  |
| 2.2 | Develop and maintain professional working relationships. |  |
| 2.3 | Apply verbal skills when obtaining and conveying information. |  |
| 2.4 | Use appropriate grammar and word usage in the creation and delivery of a formal graphic presentation using current standards and technology. |  |
| 2.5 | Develop and deliver oral presentations to provide information for specific purposes. |  |

## Benchmark 3: Professional and Technical Knowledge and Skills in the Workplace

### Competencies

| **#** | **DESCRIPTION** | **RATING** |
| --- | --- | --- |
| 3.1 | Research and report on an aviation topic of choice. |  |
| 3.2 | Research and discuss modern and future trends in aviation equipment, methods, and techniques. |  |
| 3.3 | Identify emerging trends and directions in aviation. |  |
| 3.4 | Understand MSDS (Material Safety Data Sheets) and other safety resources required for the workplace. |  |
| 3.5 | Demonstrate an understanding of OSHA regulations for personal safety, including utilization of PPE, safe use of tools and equipment, and safe handling of hazardous materials. |  |
| 3.6 | Utilize knowledge and skills to perform job duties to industry standards (e.g. Construct a basic flight plan for an Instrument Flight Rules (IFR) flight, Construct an Instrument Flight Rules (IFR) route of flight between airports, Define instrument flight conditions). |  |
|  | * Utilize effective management techniques to organize workflow. |  |
|  | * Construct a basic flight plan for an Instrument Flight Rules (IFR) flight. |  |
|  | * Construct an Instrument Flight Rules (IFR) route of flight between airports. |  |
|  | * Define instrument flight conditions. |  |
|  | * Complete a 337 major repair and alteration form. |  |
|  | * Complete a supervised part 107 mission. |  |

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

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



900 S.W. Jackson Street, Suite 102

Topeka, Kansas 66612-1212

[https://www.ksde.org](https://www.ksde.org/)

The Kansas State Department of Education does not discriminate on the basis of race, color, national origin, sex, disability or age in its programs and activities and provides equal access to any group officially affiliated with the Boy Scouts of America and other designated youth groups. The following person has been designated to handle inquiries regarding the nondiscrimination policies: KSDE General Counsel, Office of General Counsel, KSDE, Landon State Office Building, 900 S.W. Jackson, Suite 102, Topeka, KS 66612, (785) 296-3201.