# Production Blueprint Reading Course No. 21108 Credit: 0.5

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

Pathways and CIP Codes: Aviation Production (15.0000) - Design & Production Strand; Aviation Maintenance (47.0000) - Avionics & Airframe Strand; Construction & Design (46.0000) - Construction & Design Strand; **Engineering & Applied Mathematics (14.0101)**; Manufacturing (48.0000) - Production & Maintenance Strand

Course Description: An **introductory level** course to provide students with the knowledge and ability to interpret the lines, symbols, and conventions of drafted blueprints. They generally emphasize interpreting, not producing, blueprints, although the courses may provide both types of experiences. Blueprint Reading courses typically use examples from a wide variety of industrial and technological applications.

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: Click or tap here to enter text.

### Competencies

| **#** | **DESCRIPTION** | **RATING** |
| --- | --- | --- |
| 1.1 | Identify symbols associated with blueprints. |  |
| 1.2 | Interpret work from multiview drawings. |  |
| 1.3 | Interpret size and location of features. |  |
| 1.4 | Visualizing shapes and objects in multiple views. |  |
| 1.5 | Ability to convert fractions and decimals proficiently. |  |
| 1.6 | Interpret inch and metric drawings. |  |
| 1.7 | Demonstrate legend and note reading skills. |  |
| 1.8 | Interpret basic geometric dimensioning and tolerancing terminology. |  |
| 1.9 | Identify different views utilized in blueprint reading. |  |
| 1.10 | Identify orthographic projection such as lines and symbols for electrical, piping, mechanical, architectural, welding, and machining prints. |  |

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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