# Tooling II Course No. 40610 Credit: 1.0

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

Pathways and CIP Codes:Aviation Production (15.0000) - Production Strand

Course Description: **Application level** course that teaches students the skills necessary to create and produce aviation fixtures and jigs.

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 the critical features the tooling process |  |
| 1.2 | Identify the role of performance assemblies |  |
| 1.3 | Demonstrate how to safely perform tap and die process in aerospace and/or advanced manufacturing tooling. |  |
| 1.4 | Describe the final details in the tooling process |  |
| 1.5 | Describe proper layout for installation |  |
| 1.6 | Practice tool building skills by creating Drill Fixture |  |
| 1.7 | Create a permanent assembly with proper hardware |  |
| 1.8 | Demonstrate skills associated with hand drill and drill press operations |  |
| 1.9 | Map out the assembly project based on project specifications |  |
| 1.10 | Select and edge utilizing GD &T principles |  |
| 1.11 | Perform Hole generation processes |  |
| 1.12 | Layout final assembly project based on project specifications |  |
| 1.13 | Create final assembly project based on project specifications |  |
| 1.14 | Perform final inspection of assembly project |  |
| 1.15 | Demonstrate skills associated with removable sub assembly |  |

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



900 S.W. Jackson Street, Suite 102

Topeka, Kansas 66612-1212

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

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