



Calculating RTI



Related Technical Instruction (RTI) Credit

NOTICE: RTI Credit is a formula developed in conjunction with the KY Apprenticeship Office to acknowledge both the rigor and effectiveness of CTE classroom instruction. The following equation allows skilled apprenticeship participants to count their previous CTE classroom instruction hours as a portion of the required Related Technical Instruction (RTI) component of their apprenticeship experience.

required curriculum

Current high school students participating in the Tech Ready Apprentices for Careers in Kentucky (TRACK) Program are required to have a minimum of 3 CTE courses in their career pathway. These approved courses provide foundational content used to ensure proper apprenticeship placement.

invested time

There are 175 average days in an instructional year. The average time in each course is 1 hour per day. Therefore, for each course credit, a student will invest 175 hours in learning.

$$175 \text{ days} \times 1 \text{ hour per day} = 175 \text{ hours invested}$$

calculate the credit

Based on the agreement with the KY Apprenticeship Office, half the hours invested in CTE pathway courses are allowable for RTI hours.

$$175 \text{ hours per class} \times 3 \text{ courses}^* = 525 \text{ hours invested}$$

$$525 \text{ hours invested} \div 50\% = 262.5 \text{ RTI hours earned}$$

*sample based on minimum 3 course requirement

credit earned

Credits accrued count directly toward the RTI component of the apprenticeship. Students completing TRACK with the minimum 3 required CTE pathway courses can* be awarded the following credit for prior learning:

Example Apprenticeships	RTI Hours Required	Additional Hours Needed
2,000 Hour	144 Hours	NONE RTI requirement exceeded by 118.5 hours
4,000 Hour	288 Hours	25.5 Hours

*Credit is at the discretion of the employer.