

Determining Success In Technical Training

Calculating a pass in technical training Effective September 2019

Apprentices must successfully meet three criteria to pass technical training.

- 1) **Minimum 65% Theory Component (cumulative weighted average)**
 - Weightings for each section based on hours identified in the Course Outline, AND
- 2) **Minimum 65% on each Practical Component* (cumulative weighted average on each, often referred to as Lab/Shop)**
 - Consult your instructor for weightings of the Lab/Shop sections and components, AND
- 3) **Minimum 50% on every section of study**
 - same sections used to determine cumulative weighted averages for components above.

**Most periods of technical training include one practical component (or Lab/Shop) with a single mark worth 100%. Some Auto Body and Plumber training includes a second practical component, also with a single mark worth 100%. Welder training includes two separate practical components, each with multiple sections with various weightings (i.e., 50% +50%, 20%+20%+20%+20%+20%).*

Example of Theory Component	Apprentice Mark	Weight of Category
Section One	80%	0.15 (15%)
Section Two	80%	0.584 (58.4%)
Section Three	60%	0.133 (13.3%)
Section Four	47%	0.133 (13.3%)
TOTALS	73%*	1.00 (100%)

$*(80 \times 0.15) + (80 \times 0.584) + (60 \times 0.133) + (47 \times 0.133) = 73\%$

The cumulative weighted average is based on the marks reported by the instructor for each section of the course outline. In this example, **the apprentice does not pass the Theory Component**, despite a 73% cumulative weighted average, because they scored less than 50% on Section Four.

Note: Most apprentices will not see a change in their ability to progress. Marks that would qualify for a pass under the previous standard (65% in every section of training) will still be a pass, and most marks that previously qualified for a credit will now be a pass.

Appealing Marks

Instructors are in the best position to make an informed final decision about whether or not an apprentice should progress to the next period of technical training. As of September 2019, instructor-assigned marks are final. **Apprenticeship and Industry Training will no longer review the marks to assign a credit/pass when apprentices only fail by a small margin.** Apprentices who wish to appeal a mark must follow their training provider's appeal process. Any change in the mark must be submitted by the training provider.

Progressing to the next period of apprenticeship

Passing technical training is just one of three conditions apprentices must meet in order to progress in their apprenticeship. They must also successfully complete any required industry exams administered by Advanced Education and fulfill the months/hours requirements of on-the-job training for that period.

Questions?

Please consult with your instructor and/or training provider.

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Sample Pass-Fail Scenarios

Pass: 65% cumulative weighted average on theory and practical components and more than 50% on every section.

Theory Component	Apprentice Mark	Weight of Category	Practical Component	Apprentice Mark	Weight of Category
Section One	80%	0.15 (15%)	Lab/Shop	67%	100%
Section Two	80%	0.584 (58.4%)			
Section Three	60%	0.133 (13.3%)			
Section Four	56%	0.133 (13.3%)			
TOTALS	74%*	1.00 (100%)			
*(80x0.15)+(80 x0.584)+(60x0.133)+(56x0.133)=74%					

Fail: More than 65% cumulative weighted average on theory and both practical components, but less than 50% on one section.

Theory Component	Apprentice Mark	Weight of Category	Practical Components	Apprentice Mark	Weight of Category
Section One	80%	0.30 (30%)	Practical 1: Lab/Shop	67%	100%
Section Two	80%	0.17 (17%)	Practical 2: Welding	65%	100%
Section Three	65%	0.43 (43%)			
Section Four	47%	0.10 (10%)			
TOTALS	70%*	1.00 (100%)			
*(80x0.30)+(80 x0.17)+(65x0.43)+(47x0.10)=70%					

Fail: 65% cumulative weighted average on theory and Practical 1 component, as well as more than 50% on every section, but less than 65% on Practical 2 component.

Theory Component	Apprentice Mark	Weight of Category	Practical Component	Apprentice Mark	Weight of Category
Section One	80%	0.30 (30%)	Practical 1: Lab/Shop	67%	100%
Section Two	80%	0.17 (17%)	Practical 2: Welding	63%	100%
Section Three	65%	0.43 (43%)			
Section Four	55%	0.10 (10%)			
TOTALS	70%*	1.00 (100%)			
*(80x0.30)+(80 x0.17)+(65x0.43)+(55x0.10)=71%					

Fail: More than 50% on every section and more than 65% cumulative weighted average on the practical component, but less than 65% cumulative weighted average on theory component.

Theory Component	Apprentice Mark	Weight of Category	Practical Component	Apprentice Mark	Weight of Category
Section One	80%	0.15 (15%)	Lab/Shop	67%	100%
Section Two	60%	0.584 (58.4%)			
Section Three	60%	0.133 (13.3%)			
Section Four	62%	0.133 (13.3%)			
TOTALS	63%*	1.00 (100%)			
*(80x0.15)+(60 x0.584)+(60x0.133)+(62x0.133)=63%					