**2016 NOCTI Pre-Test Analysis**



**PROGRAM: Automotive Technology**

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| **NOCTI Year** | **PA % Advanced** | **CPAVTS % Advanced** |
| **2015-2016** | **59** | **62** |
| **2014-2015** | **56** | **67** |
| **2013-2014** | **58** | **89** |
| **2012-2013** | **53** | **71** |

Step 1: Using the *Total Items Possible per Task* and the *Average Correct by Group*, calculate the DEFICIT of your students for each NOCTI Duty Area

 (TOTAL *# Items Possible per Task) -*  (TOTAL *Average Correct by Group*) = Deficit

Step 2: Rank the Duty areas beginning with the one where you could potentially recover the most points.

Step 3: Describe what would be necessary to recover the lost points.

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|  | **STEP #1** | **STEP #2** | **STEP #3** |
| **Duty Area** | **TOTAL Items Possible** | **TOTAL Average Correct** | **DEFICIT** | **Priority** | **Strategy for Recovery** |
| Orientation | 3 | 2.2 | .8 | 7 | Okay |
| Safety | 10 | 8.4 | 1.6 | 5 | More safety |
| Tools/Fasteners | 3 | 1.8 | 1.2 | 6 | More tools/practice |
| Suspension & Steering | 38 | 23.7 | 14.3 | 4 | Use of new equipment |
| Brakes | 44 | 23.9 | 20.1 | 3 | More intensive practice |
| Electrical/Electronic Systems | 48 | 21.8 | 26.2 | 1 | More instruction/ earlier |
| Engine Performance | 52 | 27.8 | 24.2 | 2 | This is taught later in third year |