1. Assessment information collected
   A.) Automotive Repair & Maintenance Skills
      1.) Students who completed both semesters of classes were given an exit exam to determine their knowledge and skills of all the courses taken throughout the year.
      2.) Students are required to be able to properly perform all of the hands-on tasks that are taught throughout the year. This is part of our national accreditation through the National Automotive Technicians Education Foundation (NATEF).
   B.) Embedded Subjects
      1.) Students are required to keep a journal for each unit class. Student journals are evaluated & graded using a rubric.
      2.) Students are required to give an oral presentation to the class & faculty at the end of each unit class. This presentation is evaluated & graded using a rubric.
      3.) Students are given an exit exam at the end of their 2nd semester that involves math computation problems related to the automotive industry.
   C.) Employers satisfaction survey
      1.) Student’s employers are met with throughout the year & collectively evaluated of the skills learned in each class.

2. Conclusions drawn from the information summarized above
   A.) Automotive Repair & Maintenance Skills
      1.) Overall, all graduating students retained and showed satisfactory knowledge of Suspension & Alignment, Brakes, Electrical, Electronics, Engine Theory & Diagnosis, and Engine Performance skills taught in the program.
B.) Embedded subjects of Human Relations, Computation, and Communication were reviewed with the following results:

1.) The journal assignment that each student is required to construct teaches each student the writing & note taking skills needed as an automotive service technician.

2.) The oral presentations that each student gives shows strong evidence of improving the communication skills needed as an automotive service technician.

3.) The exit exam that each 2nd semester student takes before graduation is direct evidence of learning the necessary math computation skills needed as an automotive service technician.

C.) Employers have reported that students are showing strong improvement on problem skills & troubleshooting.

3. Curricular changes resulting from conclusions drawn above

A.) Automotive Repair & Maintenance Skills

1.) While analysis showed that students retained and showed satisfactory knowledge of topics, additional problem solving projects were incorporated into the curriculum in all areas.

B.) Embedded subjects

1.) The changes made from previous years SLOA plan show a significant improvement in each student’s skills of Human Relations, Computation & Communication.

4. Identify the faculty members involved in reaching the conclusions drawn above and agreeing upon the curricular changes resulting

All the Automotive Technology changes were addressed by the Program Coordinator, Instructor, & adjunct instructors which consist of:

Shawn Conell
Ben Schauble
Tony Thacker
1. Assessment information collected

A.) Automotive Repair & Maintenance Skills
   1.) Students who completed both semesters of classes were given an exit exam to determine their knowledge and skills of all the courses taken throughout the year.
   2.) Students are required to be able to properly perform all of the hands-on tasks that are taught throughout the year. This is part of our national accreditation through the National Automotive Technicians Education Foundation (NATEF).

B.) Embedded Subjects
   1.) Students are required to keep a journal for each unit class. Student journals are evaluated & graded using a rubric. The breakdown of the journal is given in each unit class syllabus.
   2.) Students are required to give an oral presentation to the class & faculty at the end of each unit class. This presentation is evaluated for quality, content & communication skills.
   3.) Students are given an exit exam at the end of their 2nd semester that involves math computation problems related to the automotive industry.

C.) Employers satisfaction survey
   1.) Student’s employers are met with throughout the year & collectively evaluated of the skills learned in each class.
   2.) A Total of 12 Graduate Student’s employers were interviewed throughout the 2017-18 year, and a very positive feedback of performance was indicated. 2 employers reported that the student handwriting skills needed improvement.

D.) Instruments & tools used for evaluation
1.) The Lead Faculty for the Automotive Technology program maintains a spreadsheet for each student as they complete each of their required NATEF Tasks.

2.) The grading breakdown of the student journal assignment is given in each class syllabus.

3.) The employee survey is sent to each of the student’s employers during the time that they are completing their required practicum assignment.

E.) Completion rate

1.) At the end of the Fall 2017 Semester: 5 students graduated (this number includes one that finished his Auto F190 Practicum), 8 continued to the Spring 2018 Semester, 4 students quit to pursue other things, 1 of those that quit after their first semester went to work full time in industry.

2.) At the end of the Spring 2018 Semester: 6 students graduated (this number includes one that finished his Auto F190 Practicum), 2 will continue to the Fall 2018 semester, 2 students did not finish their Auto F190 Practicum requirement in time to graduate. 1 student withdrew before the end of the semester & moved.

F.) 22 students were used for data collection during the Fall 2017 & Spring 2018 semesters.

2. Conclusions drawn from the information summarized above

A.) Automotive Repair & Maintenance Skills

1.) Overall, all graduating students retained and showed satisfactory knowledge of Suspension & Alignment, Brakes, Electrical, Electronics, Engine Theory & Diagnosis, and Engine Performance skills taught in the program. Those students that did not graduate but completed both semesters of the program lacked completion of the Auto F190 Practicum.

B.) Embedded subjects of Human Relations, Computation, and Communication were reviewed with the following results:
1.) The journal assignment that each student is required to construct teaches each student the writing & note taking skills needed as an automotive service technician.

2.) The oral presentations that each student gives shows strong evidence of improving the communication skills needed as an automotive service technician.

3.) The exit exam that each 2nd semester student takes before graduation is direct evidence of learning the necessary math computation skills needed as an automotive service technician.

C.) Employers have reported that students are showing strong improvement on problem solving skills & troubleshooting.

3. Curricular changes resulting from conclusions drawn above

A.) Automotive Repair & Maintenance Skills

1.) While analysis showed that students retained and showed satisfactory knowledge of topics, additional problem solving projects were incorporated into the curriculum in all areas.

B.) Embedded subjects

1.) The changes made from previous years SLOA plan show a significant improvement in each student’s skills of Human Relations, Computation & Communication.

4. Identify the faculty members involved in reaching the conclusions drawn above and agreeing upon the curricular changes resulting

All the Automotive Technology changes were addressed by the Program Coordinator, Instructor, & adjunct instructors which consist of:

Shawn Conell
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