**Continuous Improvement Plan Report to be Completed in Years 2/4 of Program Review Cycle**

**Date: 2/23/25 Name of Program: Collision Technology**

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**Table 1: CIP Student/Program Level Learning Outcomes Targeted for Improvement, Description of Assessment Measure(s) and Targets Levels of Success Table (focus on at least one student/program level outcome for the next two years)**

**Description of Fields in CIP Table 1:**

**A. Student Learning Outcome(s)** -Results expected in this program (e.g., students will be able to compare/contrast conflict and structural functional theories). Outcomes must be quantifiable and measurable.

**B. Assessment Measure(s)** –Assessmentinstrument(s)/process(es) used to measure results (e.g., embedded test questions 6 & 7 from final exam)

**C. Targeted Level(s) of Success** -Level of success expected (e.g., X% of students will score at least Y on the indicated assessment)

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| 1. **Student/Program Level Learning Outcome(s)**

**Targeted for Improvement** (e.g., “Students will be able to…”) | **B. Description of Assessment Measure(s)**(Assessment instrument(s)/process(es) used to measure results - Include course in which assessment will be given) | **C. Targeted Level(s) of Success**(e.g., X% of students will score at least Y on the indicated assessment.) |
| Students will graduate with an Associate of Applied Science in Collision Technology. | Institutional Research Office Award Completion by Program data. Results at the end of the spring semester. | 10 graduates per year. |
| Increase section size of ABDR 2449: Advanced Refinishing. | Institutional Research Office Average Section Size Report.Results at the end of the spring semester. | Increase section size by 30%. |
| Increase enrollment of Collision Technology program. | Institutional Research Office Unduplicated Enrollment report.Results at the end of summer semester. | Increase enrollment by 25%. |

**Add additional rows if necessary.**

**Table 2. CIP Student Learning Outcomes 1–3 (focus on at least one for the next two years)**

**Description of Fields in CIP Table 2:**

**A. Student/Program Level Learning Outcome(s) Targeted for Improvement** -Results expected in this program (e.g., Students will be able to compare/contrast conflict and structural functional theories). Outcomes must be quantifiable and measurable.

**B. Assessment Measure(s)** – **Assessment** Instrument(s)/process(es) used to measure results (e.g., embedded test questions 6 & 7 from final exam)

**C. Targeted Level(s) of Success** -Level of success expected (e.g., X% of students will earn a score of Y or greater on the embedded test questions)

**D. Description of Action Plan to Improve Learning** -Describe action(s) to be taken to improve student attainment of the indicated student/program level outcome. What will you do?

**E. Summary of Results/Data** - Summarize the information and data collected in year 1/3 when action plan was implemented.

**F. Findings** - Explain how the information and data has impacted the expected student learning outcome.

**G. Implementation of Findings** – Describe how you have used or will use your findings and analysis of the data to make improvements.

**Student/Program Level Learning Outcome Targeted for Improvement #1**

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| 1. **Student/Program Level Learning Outcome Targeted for Improvement #1:**

Students will graduate with an Associate of Applied Science (AAS) in Collision Technology. |
| 1. **Assessment Measure(s):**

Institutional Research Office Award Completion by Program data. Results at the end of the spring semester. | 1. **Targeted Level(s) of Success:**

10 graduates per year.According to the IRO data, there was only 1 degree awarded. |
| 1. **Description of Action Plan to Improve Learning:**

Monitor progress of core class completion during students’ time in the program. Advise students during enrollment periods, share information about TSI requirements and core class options. |
| 1. **Summary of Results/Data:**

7 students graduated with an AAS in Collision Technology in the Spring 2024 semester, and 3 additional students graduated with an AAS by the end of the Summer 2024 semester.  |
| 1. **Findings:**

There has been a stronger emphasis placed on graduation rates of students, so more attention has been directed at students completing their degrees. The data shows 10 graduates for the 2023-2024 academic year, but the 3 additional graduates show that some students do not complete their degree on time. Students may not be taking their core classes in sequence, or they are waiting to take their Cooperative Education course during a semester that does not require in-person classes. |
| 1. **Implementation of Findings:**

Early analysis of the findings prompted an investigation into completion rates of students. The Cooperative Education course has been difficult for students to obtain because of scheduling conflicts with employers. A curriculum revision has been approved for the Fall 2025 catalog, which has an alternative option for the Cooperative Education course. The alternative course will allow students to complete this aspect of their degree plan, and we will likely see a higher number of AAS graduates because of it.  |

**Student/Program Level Learning Outcome Targeted for Improvement #2**

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| 1. **Student/Program Level Learning Outcome Targeted for Improvement #2:**

Increase section size of ABDR 2449: Advanced Refinishing. |
| 1. **Assessment Measure(s):**

Institutional Research Office Average Section Size Report.Results at the end of the spring semester. | 1. **Targeted Level(s) of Success:**

Increase section size by 30%.The average section size from 2022 was 6 students. |
| 1. **Description of Action Plan to Improve Learning:**

Ensure students are successful with ABDR-1458 (pre-requisite) in order to increase section size of ABDR 2449.Encourage students to complete a Level 2 Certificate - Collision Technology or a Level 1 Certificate – Collision Paint Technician. |
| 1. **Summary of Results/Data:**

Spring 2024, ABDR-2449.521 had a total of 12 students.Spring 2024, ABDR-2449.522 had a total of 10 students. Summer 2024, ABDR-2449.500 had a total of 3 students. |
| 1. **Findings:**

The Collision Technology program offered ABDR-1458 in the summer semester, which allowed students to retake the course if they were not successful, and it allowed students who started in the spring to continue their progress with the refinishing courses. This additional course offering helped with the section size of students for ABDR-2449 because it was a pre-requisite. The success rates with ABDR-1458 directly impacted the success of this area of improvement. |
| 1. **Implementation of Findings:**

A summer offering of ABDR-2449 will be discontinued due to the low number of students enrolled in that semester. ABDR-2449 will be offered only in the spring semester, which will be the best option for the targeted section size of the course. |

**Student/Program Level Learning Outcome Targeted for Improvement #3**

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| 1. **Student/Program Level Learning Outcome Targeted for Improvement #3:**

Increase enrollment of Collision Technology program. |
| 1. **Assessment Measure(s):**

Institutional Research Office Unduplicated Enrollment report.Results at the end of summer semester. | 1. **Targeted Level(s) of Success:**

Increase enrollment by 25%.Enrollment for Spring 2022 was 19. The goal is 24 students. |
| 1. **Description of Action Plan to Improve Learning:**

Monitor course success rates and create intervention methods to reduce the likelihood of students not returning.Recruit at local high schools and career/job fairs. |
| 1. **Summary of Results/Data:**

The referenced report is no longer accessible. Fall 2023 – 20 new students.Spring 2024 – 10 new studentsFall 2024 – 42 new students |
| 1. **Findings:**

The number of new students showed an increase in overall enrollment for the program. The number of new students combined with current students exceeds the goal of 25%. Providing registration sessions for current students reduced the likelihood of students not returning to class because each student was instructed on registration, holds, and payment deadlines. Offering courses in the fall and spring semester prevented students from waiting an entire year to retake a course, which helped them stay on track with their degrees/certificates.Recruitment from local high schools has been strong, and there have been students who were in high school auto body programs that enrolled at Collin College. |
| 1. **Implementation of Findings:**

Working closely with the program’s career coach has been instrumental to the retention rates of our students. Students register for the correct classes, and they are advised once a semester during class.There are no suggested improvements for this program outcome, as the department has reached capacity of courses/students. The hiring of a third full-time faculty will allow the program to grow more. Recruitment is strongest at the high schools that employ our adjunct faculty, and maintaining a presence at these schools has resulted in increased enrollment from their alumni. |

**Program Assessment Data Report**

 **Program: Collision Technology\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Terms Data Collected: 2023-2024 semesters**

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| Program-Level Learning Outcome- (From Assessment Plan) | Assessment Measure(s) and Where Implemented in Curriculum – (From Assessment Plan) | Target Outcome(s)- Level of Success Expected – (From Assessment Plan) | Assessment Results – (Provide data in a form related to targeted levels of success to left. Indicate if targeted level of success was met, partially met, or not met.) |
| PLO #1 Students will be able to implement and differentiate between collision industry safety protocols, OEM repair procedures, and the different processes that are required to perform repairs to achieve a vehicle’s pre-accident condition.  | Students are to perform final lab assignment in ABDR 1291 where they will be required to identify all repair OEM procedures, safety requirements, and processes required repairs.  | 70% of students score 80% or more on rubric for lab assignments.  | Spring 2024 – 100% of students scored 80% or higher on lab assignments. (A total of 21 students took this course)Summer 2024 – 50% of students scored 80% or higher on lab assignments. (A total of 8 students took this course)Total of all semesters: 92% of students scored 80% or more on rubric for lab assignments.Targeted level of success was partially met. |
| PLO #2 Students will be able to select paint formulas for specific vehicles, mix blendable formulas per paint manufacturer specifications, prepare panels for paint application, and apply paint as specified by the paint manufacturer.  | Students are to perform lab assignment in ABDR 2449 where a metallic color is mixed as a blendable match, panel is prepared to manufacture’s specifications, and paint products are applied as the paint manufacture specifies for a complete color match.  | 70% of students score 70% or more on rubric for lab assignments.  | Spring 2024 – 95% of students scored 70% or higher on lab assignments. (A total of 21 students took this course.)Targeted level of success was met. |
| PLO #3 Students will be able to identify panel material, determine whether a panel is considered repairable or replaceable, identify repair and replacement procedures with required tools, shape and contour material, and utilize appropriate filler material to achieve pre-accident contours.  | Students are to perform final lab assignment in ABDR 1455, identify panel’s material, repairability, and perform OEM approved repairs to achieve pre-accident contours to the point the panel is ready where a shop would move the panel to refinishing department.   | 70% of students score 80% or more on rubric for lab assignments.  | Fall 2023 – 95% of students scored 80% or higher on lab assignments. (A total of 22 students took the course.)Spring 2024 – 100% of students scored 80% or higher on lab assignments. (A total of 10 students took the course.)Fall 2024 – 75% of student scored 80% or higher on lab assignments. (A total of 28 students took the course.)Total of all semesters: 86% of students scored 80% or more on rubric for lab assignments.Targeted level of success was met. |
| PLO #4 Students will be able to measure structural dimensions of a vehicle, identify the specific type of structure utilized for the vehicle, and implement the OEM-required repairs and procedures designated for the make and model of the vehicle.  | Students will ensure a vehicle meets all OEM specified measurements, remove structural panel, and panel is replaced as specified by OEM procedures in ABDR 2441.   | 70% of students score 70% or more on rubric for lab assignments.  | Spring 2024 – 100% scored 70% or higher on lab assignments. (A total of 12 students took the course.)Targeted level of success was met. |
| PLO #5 Students will be able to evaluate the condition of a damaged vehicle, assess repair cost vs vehicle value, create a blueprint estimate, and demonstrate customer service skills by explaining the repair process of a vehicle to a customer.  | Students are to perform final lab assignment in ABDR 2255, vehicle is blueprinted, estimate is created, and student will discuss repair process with potential customer.  | 70% of students score 80% or more on rubric for lab assignments.  | Fall 2023 – 27% scored 80% or higher on lab assignments. (A total of 26 students took the course.)Fall 2024 - 76% scored 80% or higher on lab assignments. (A total of 26 students took the course.)Total of all semesters: 51% of students scored 80% or more on rubric for lab assignments.Targeted level of success was partially met. |
| PLO #6 Students will be able to reference the applicable OEM repairs for different types of metal substrates in order to select a specific welder to perform collision repair welds, properly utilize various specific collision repair welds, and determine quality and integrity of welds with industry standard destructive and non-destructive tests.  | Students will perform I-CAR Welding Certification Tests for structural steel and aluminum welding in ABDR 2347.  | 70% of students score an average of 70% between the two welding tests.  | Fall 2023 – I-CAR Welding Certification Tests could not be performed because I-CAR no longer offers those tests to schools for a discounted rate.Fall 2024 – I-CAR Welding Certification Tests could not be performed because I-CAR no longer offers those tests to schools for a discounted rate. The Aluminum GMA (MIG) Welding Certification is $1,495 per student, and the Steel GMA Welding Certification is $1,395 per student. The previous price for these certifications was $235 for each test.Targeted level of success was not met. |
| PLO #7 Students will perform pre- and post-repair diagnostic scans of vehicles, identify ADAS features, determine if mechanical and electrical components require repair or replacement, and perform post repair calibration of mechanical and ADAS components to OEM repair specifications.  | Students will perform the final lab assignment in ABDR 2402, where they will be required to perform an ADAS calibration based off of OEM procedures.    | 70% of students score 70% or more on rubric for lab assignments.  | Spring 2024 – 95% of students scored 70% or higher on lab assignments. (A total of 21 students took the course.)Summer 2024 – 87% of students scored 70% or higher on lab assignments. (A total of 8 students took the course.)Total of all semesters: 93% of students scored 70% or more on rubric for lab assignments.Targeted level of success was met. |
| PLO #8 Students will be able to remove and install various trim parts and body panels, align panels with the appropriate gaps, understand structural glass, and recognize various plastic and metal fasteners.  | Students will perform a final lab assignment in ABDR 1315; the assignment will be an overhaul of a door. An overhaul is when you take all the components (window, door handles, door panels, etc.) from one door and install them into a new door.   | 70% of students score 70% or more on rubric for lab assignments.  | Fall 2023 – 91% of students scored 70% or higher on lab assignments. (A total of 24 students took the course.)Spring 2024 – 100% of students scored 70% or higher on lab assignments. (A total of 11 students took the course.)Fall 2024 - 100% of students scored 70% or higher on lab assignments. (A total of 40 students took the course.)Total of all semesters: 97% of students scored 70% or more on rubric for lab assignments.Targeted level of success was met. |

**Add additional rows if necessary.**