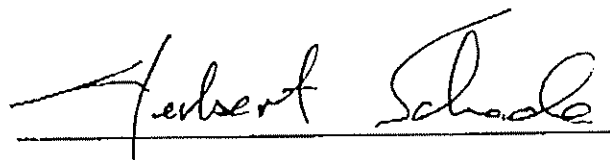


NEW PROGRAM PROPOSAL: (Form NP)**Sponsoring Institution(s):** Crowder College**Program Title:** Collision Repair Technology**Degree/Certificate:**
(1) Associate of Applied Science (AAS)
(2) Certificate I
(3) Certificate II**Options:** N/A**Delivery Site(s):** Crowder College, Neosho Campus**CIP Classification:** 47.0603**Implementation Date:** Fall 2011**Cooperative Partners:** N/A**Expected Date of First Graduation:** Spring 2013**AUTHORIZATION**

Dr. Herbert Schade
Vice-President of Instruction and Chief Academic Officer
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Date

10/3/11

CONTACT

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FORM SE: Student Enrollment Projections**NEED:**

As addressed in Section B below, there continues to be a moderate demand for collision repair technicians, especially at the state-wide level. Up until the most recent data release, this occupation was also included in the state's "high demand" jobs list used in the administration of the Vocational-Technical Education Enhancement Grant Award program. In addition, anecdotal information from our collision repair advisory panel indicates a fairly high local demand for graduates.

A. Student Demand:

- i. Estimated enrollment each year for the first five years for full-time and part-time students (Form SE)

STUDENT ENROLLMENT PROJECTIONS**1. AAS Degree**

Year	1	2	3	4	5
Full Time (FT)	4	6	8	10	10
Part Time (PT)	4	4	8	12	12
FT equivalent (FTE) (Assumes PT students go Half-Time)	6	8	12	16	16
Total	8	10	16	22	22

2. Certificate I

Year	1	2	3	4	5
Full Time (FT)	1	2	3	3	4
Part Time (PT)	1	2	3	3	4
FT equivalent (FTE) (Assumes PT students go Half-Time)	1.5	3	4.5	4.5	6
Total	2	4	6	6	8

3. Certificate II

Year	1	2	3	4	5
Full Time (FT)	1	2	4	5	5
Part Time (PT)	1	2	6	6	6
FT equivalent (FTE) (Assumes PT students go Half-Time)	1.5	3	7	8	8
Total	2	5	10	11	11

ii. Will enrollment be capped in the future? No

B. Market Demand:

i. National, state, regional or local assessment of labor need for citizens with these skills

Data from the most recent release by the Missouri Economic Research and Information Center (MERIC) presented in summary fashion below, indicates that the job demand from both a regional and statewide perspective are consistent with the number of graduates expected from the new Collision Repair Technology AAS program, with five projected annual openings in the SW region and 116 state-wide.

Missouri Economic Research and Information Center (MERIC) Data:				
Job Designation	Projected Openings for Collision Repair Technology Graduates			
	Total: 2008 - 2018		Annual Average	
	State-Wide	SW Region*	State-Wide	SW Region*
Automotive Body and Related Repairers	992	45	101	5
Automotive Glass Installers/Repairers	94	6	8	0
Insurance Appraisers. Auto Damage	68	2	7	0
Totals	1,154	53	116	5

* - SW Region = Barry, Barton, Dade, Jasper, Lawrence, McDonald, and Newton counties

C. Societal Need:

i. General needs which are not directly related to employment

Crowder's stated mission is "Building a civil, serving, literate, learning community of responsible citizens". The attainment of beneficial employment is a key factor in the pursuit of this mission as it relates to responsible citizenship. However, in addition to these most tangible employability benefits, the intangible contributions of participating in a higher educational experience are often difficult to quantify but often provide the greatest benefit to creating members of a "...civil, serving, learning community...". For example, Crowder's required orientation course now requires each student to participate in some type of "service seed" project by becoming involved at a voluntary level in any one of several community service projects. Many technology students who would not normally pursue a traditional 4-year college degree and thus miss out on these benefits will now have the opportunity to participate and grow, should this Collision Repair AAS be approved.

Creating this college-level, post-secondary program will also benefit graduates from our area secondary CTE schools by providing an opportunity to articulate credit for high school level Technology courses into a college-level AAS program without the need to travel to more distant programs within the state.

D. Methodology used to determine "B" and "C" above.

As noted above, Section B data was obtained from the state's MERIC website and from interaction with various advisory panel members and sponsors. Comments in Section C are based upon the vision of Crowder's Board and their recognition of the importance of both tangible and intangible components inherent in obtaining a college degree.

DUPLICATION AND COLLABORATION: If similar programs currently exist in Missouri, what makes the proposed program necessary and/or distinct from the others at public institutions, area vocational technical schools, and private career schools?

Although several colleges in the state are offering programs similar to our proposed Collision Repair Technology AAS, there are none in Crowder's nine county service area in SW Missouri, thereby making it difficult for our patrons to pursue this course of study, should they desire. The closest public institution offering such a program would be OTC in Springfield. Since their nearest campus to Neosho is approximately 90 miles away and given that both student bodies are primarily composed of commuting students, no significant conflict would be expected. It should be noted that we currently have several programs in common with OTC which have operated successfully for several years without generating undo interference.

Does delivery of the program involve a collaborative effort with any external institution or organization?

No

FORM PS: Program Structure**(1) Associate of Applied Science in Collision Repair Technology**

- A. Total credits required for graduation: 61 Credits
- B. Residency requirements, if any: Standard Crowder College requirements.
- C. General education: Total credits: 16 Credit Hours

Courses:

COLL 101 College Orientation		1 credit hour
English		6 credit hours
Choose from among:		
ENGL 100 Mechanics of Composition	3 credit hours	
ENGL 101 English Composition	3 credit hours	
ENGL 102 Advanced English Composition	3 credit hours	
ENGL 203 Technical Writing	3 credit hours	
SPCH 101 Fundamentals of Speech		3 credit hours
Mathematics		3 credit hours
Choose from among:		
MATH 104 Technical Mathematics	3 credit hours	
BSAD 121 Business Mathematics	3 credit hours	
Missouri Constitutional Requirement		3 credit hours
Choose from among:		
PLSC 103 National, State, Local Government	3 credit hours	
HIST 106 U.S. History I	3 credit hours	

- D. Major requirements: Total credits: 40 Credit Hours

Courses:

WELD 113 Introduction to Welding	3 credit hours
WELD 145 Gas-Metal Arc Welding (GMAW)	3 credit hours
AUTO 125 Automotive Electrical Systems	5 credit hours
AUTO 214 Automotive Air Conditioning	4 credit hours
AUTO 225 Automotive Suspension/Steering	5 credit hours
CLRP 102 Collision Repair I	3 credit hours
CLRP 104 Collision Repair II	3 credit hours
CLRP 202 Collision Repair III	3 credit hours
CLRP 204 Collision Repair IV	3 credit hours

Support courses: Total credits:

BSAD 125 Business Computer Applications	3 credit hours
BSAD 103 Professional Development	2 credit hours
BSAD 150 Introduction to Business	3 credit hours

- E. Free elective credits: Total credits: 5 credit hours:

Any course not specifically required above and for which any pre-requisite courses have been completed from among: AMT, AUTO, BSAD, CNS, CONS, DIES, DRFT, or WELD. Other courses upon approval of advisor or Division Chair.

- F. Requirements for thesis, internship or other capstone experience: None

- G. Any unique features such as interdepartmental cooperation: None.

(2) Certificate I in Collision Repair Technology

- A. Total credits required for graduation: 19 Credits
 B. Residency requirements, if any: Standard Crowder College requirements.
 C. General education: Total credits: 1 Credit Hours

Courses:

COLL 101 College Orientation	1 credit hour
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- D. Major requirements: Total credits: 18 Credit Hours

Courses:

18 credit hours

WELD 113 Introduction to Welding	3 credit hours
WELD 145 Gas-Metal Arc Welding (GMAW)	3 credit hours
CLRP 102 Collision Repair I	3 credit hours
CLRP 104 Collision Repair II	3 credit hours
CLRP 202 Collision Repair III	3 credit hours
CLRP 204 Collision Repair IV	3 credit hours

- F. Free elective credits: None
 G. Requirements for thesis, internship or other capstone experience: None
 H. Any unique features such as interdepartmental cooperation: None.

(3) Certificate II in Collision Repair Technology

- A. Total credits required for graduation: 28 Credits
 B. Residency requirements, if any: Standard Crowder College requirements.
 C. General education: Total credits: 1 Credit Hours

Courses:

COLL 101 College Orientation	1 credit hour
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- D. Major requirements: Total credits: 27 Credit Hours

Courses:

27 credit hours

WELD 113 Introduction to Welding	3 credit hours
WELD 145 Gas-Metal Arc Welding (GMAW)	3 credit hours
AUTO 214 Automotive Air Conditioning	4 credit hours
AUTO 225 Automotive Suspension/Steering	5 credit hours
CLRP 102 Collision Repair I	3 credit hours
CLRP 104 Collision Repair II	3 credit hours
CLRP 202 Collision Repair III	3 credit hours
CLRP 204 Collision Repair IV	3 credit hours

- E. Free elective credits: None
 F. Requirements for thesis, internship or other capstone experience: None
 G. Any unique features such as interdepartmental cooperation: None.

PROGRAM CHARACTERISTICS AND PERFORMANCE GOALS (Form PG)

Institution Name: Crowder College

Program Name: Collision Repair Technology

Date: September 30, 2011

Student Preparation

Any special admissions procedures or student qualifications required for this program which exceed regular university admissions, standards, e.g., ACT score, completion of core curriculum, portfolio, personal interview, etc. Please note if no special preparation will be required.

The Compass Test will be administered to determine level of competence in math and reading comprehension. A cut score will be determined and remedial help given as needed.

- Characteristics of a specific population to be served, if applicable.

Adults seeking retraining and/or education and skill preparation as a collision repair technician.

Faculty Characteristics

- Any special requirements (degree status, training, etc.) for assignment of teaching for this degree/certificate.

Faculty instructing in the Collision Repair Technology courses must have a minimum of three years (6,000 hours) of documented job experience in collision repair.

The program will be taught by both full time and adjunct faculty.

- Estimated percentage of credit hours that will be assigned to full time faculty. Please use the term "full time faculty" (and not FTE) in your descriptions here.
 1. AAS Degree – 70%: The general education, electives, support, and automotive portions of the program will be taught by full time faculty while the welding and collision repair courses themselves will be taught by adjunct instructors. Of the 61 credit hours in the program, approximately 70% will be taught by full time faculty with the remaining 30% being taught by adjuncts.
(Note: When possible, adjunct instructors in all three programs will be full time teachers from Crowder's High School CTE welding and collision repair programs working on an overload basis.)
 2. Certificate I – 0%: Since this certificate is comprised solely of Welding and Collision Repair courses, all of the courses will be taught by adjunct instructors.
 3. Certificate II – 33%: The automotive portions of the program will be taught by full time faculty while the welding and collision repair courses themselves will be taught by adjunct instructors. Of the 28 credit hours in the certificate program, approximately 33% will be taught by full time faculty with the remaining 66% being taught by adjuncts.
- Expectations for professional activities, special student contact, teaching/learning innovation.

Each instructor will be expected to participate in appropriate professional development activities relevant to his/her teaching assignment to enhance individual skills in teaching, tutoring and internship activities.

Enrollment Projections

- Student FTE majoring in program by the end of five years.

In line with the student enrollment projections previously presented (Form SE), it is expected that Fulltime Equivalent Enrollment in the program at the end of five years will be as follows:

- AAS Degree = 16
- Certificate I = 6
- Certificate II = 8

- Percent of full time and part time enrollment by the end of five years.

It is anticipated that full time enrollment in all three programs will approximate 50% and part time will be 50%. With the current unemployment figures and student enrollment among adults seeking retraining coupled with working adults seeking continuing education, the college expects an equal enrollment among full time and part time students for at least the first year of the program with a slightly higher enrollment percentage among part time students from year two through five of the program.

Student and Program Outcomes

- Number of graduates per annum at three and five years after implementation.

- AAS Degree: Crowder College anticipates an 80% graduation success rate with 8 graduating students at 3 years and 18 graduating students at 5 years after program implementation.
- Certificate I @ 80%: 3 years = 3, 5 years = 5
- Certificate II @ 80%: 3 years = 4, 5 years = 9

- Special skills specific to the program.

The skills specific to this program relate to the repair of collision-damaged vehicles and include various metal working/shaping/welding applications, heavy duty rigging/straightening, utilization of polymeric body fillers, and the mixing/application of paint or other finishes. Students will also learn the underlying automotive repair skills in steering/suspension, air conditioning, and electrical.

- Proportion of students who will achieve licensing, certification, or registration.

It is estimated that at least 50% of the students completing one of the programs will seek and obtain appropriate third-party certification through ASE (National Institute for Automotive Service Excellence) or I-Car (Inter-Industry Conference on Auto Collision Repair).

- Performance on national and/or local assessments, e.g., percent of students scoring above the 50th percentile on normed tests; percent of students achieving minimal cut-scores on criterion-referenced tests. Include expected results of assessments of general education and on exit assessments in a particular discipline as well as the name of any nationally recognized assessments used.

Upon completion of the Collision repair technology A.A.S. degree or certificates, students are required to complete a third-party Technical Skills Assessment (TSA) built around ASE/NATEF and/or I-CAR standards. These scores are compiled and provided to DESE as a part of the college's continuing program to retain CTE certification. At least 70% of students tested are expected to obtain passing scores on the TSA.

- Placement rates in related fields, in other fields, unemployed.

Given demand for qualified collision repair technicians in the college's service area, it is anticipated that approximately 70% of program graduates will find employment in automotive, trucking, or independent repair shops. Of the remaining 30%, about half will find jobs in related areas such as welding, auto repair, or industrial maintenance. The remaining 15% will either be unable to find suitable employment or will take mechanically oriented jobs (i.e. building maintenance, farm/industrial labor, etc.)

- Transfer rates, continuous study.

It is anticipated that fewer than 10 percent of the graduates will have immediate plans to transfer or continue their education. Some will opt to continue their education on a part time basis while continuing full employment.

Program Accreditation

- Institutional plans for accreditation, if applicable, including accrediting agency and timeline. If there are no plans to seek specialized accreditation, please provide reasons.

The program is built around nationally recognized standards from the National Institute for Automotive Service Excellence (ASE) provided through the National Automotive Technicians Education Foundation (NATEF). Instructional materials for the core collision repair courses are provided through I-CAR (Inter-Industry Conference on Auto Collision Repair). The program is not currently ASE/NATEF certified, but the core courses cover all of the high-priority ASE/NATEF competencies in Non-Structural Repair, Structural Repair, and Painting/Finishing. Crowder's Automotive Repair programs were recently awarded ASE/NATEF accreditation and plans are to extend this certification to selected components of the Collision Repair Technology area within the next two to three years.

Alumni and Employer Survey

- Expected satisfaction rates for alumni, including timing and method of surveys

Through the office of Career Services, Crowder College uses the Perkins 180-day follow-up survey/questionnaire that is sent to all career and technical program (degree and certificate) graduates.

- Expected satisfaction rates for employers, including timing and method of surveys

Through the office of Career Services, Crowder College conducts its own employer satisfaction survey 300 days after students graduate. We anticipate an 80% or higher satisfaction rate.