

## MJC Transportation (AUTEC/AUBDY) Advisory Meeting



NOVEMBER 14, 2018

5:30PM – 7:30PM

SIERRA HALL 235

### MINUTES

MEETING CALLED BY	<i>Career Technical Education and Workforce Development Division</i>
TYPE OF MEETING	<i>Auto Body Collision Repair and Automotive Technology Program Update and Review</i>
FACILITATOR	<i>P Mendez (Dean of CTE and Workforce Development)</i>
NOTE TAKER	<i>P Mendez</i>
TIMEKEEPER	<i>n.a.</i>
ATTENDEES	<i>Jeff Beebe (MJC Auto Body), Keith Cash (Balswick's Tire &amp; Detail), Leonard Corgiat (Engine Re-Nu), John Haley (American Chevrolet), Robert Kyle (Motor Parts Distributor), Tony Medina (Alfred Mathews College Center), Ray Van Loon (Auto Industrial Paint Manager), Gerald Wray (MJC Automotive), Josh Williamson (Snap-On), Ernest Ramsey (Kruse Lucas Body and Paint)</i>

#### I. Welcome

- Started with Introductions around the room*
- Advisory Group will change to meet twice each academic year to improve connection to programs. The meetings serve as an opportunity to inform the committee of current happenings and hear from industry more regularly on their needs.*

#### II. Program Fact Sheets

DISCUSSION	<p><b>MJC Program Courses and the 19-20 projected academic schedule was reviewed.</b> <i>P Mendez presented schedules and program recommended changes to be discussed. Information attached below.</i></p> <p><b>Resources Needs on list for both Programs:</b></p> <ul style="list-style-type: none"> <li>• <i>MJC Automotive – Updated Vehicles (2012 and older) for Fleet of Vehicles to support all labs; Engine Lathe to support AUTEC 315 Course.</i></li> <li>• <i>MJC Auto Body – New Spray Booth.</i></li> </ul> <p><b>Modesto High School:</b> <i>No Report – K Hammons was not in attendance</i></p> <p><b>Patterson High School:</b> <i>No Report – D McKenzie was not in attendance</i></p> <p><b>Oakdale High School:</b> <i>No Report – J Bennett was not in attendance</i></p> <p><b>Turlock High School:</b> <i>No Report – D Massey was not in attendance</i></p>		
CONCLUSIONS	<i>N/A</i>		
ACTION ITEMS	PERSON RESPONSIBLE	DEADLINE	
<i>1.</i>			

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### III. Items for Review and Vote

DISCUSSION	<p><i>The committee review and discussed programs through out the area at the high school and college levels.</i></p> <p><b>High School Programs:</b> <i>The committee discussed what is happening in high schools. Noted in the discussions was the lack of high school programs. Members understood Modesto High School started an auto body program and that Davis High School has a large shop not in use. Industry believe hey need to be involved early to support awareness in high schools. The industry is lucrative and Valley wages are catching up with Bay Area wages. MJC mentioned a recent apprenticeship event on campus that placed industry in front of students and also mentioned a Spring 2019 event the CTE Exp on February 26<sup>th</sup> that will focus to bring students on campus to learn about the various employers in the community.</i></p> <p><b>Modesto Junior College Automotive Programs:</b> <i>Professor Wray provided program updates. The Automotive Program is based on a ASE Certification standards. The MJC West Campus offers ASE Testing and Re-Testing for automotive technicians in the industry. There are pre-requisites sequence classes that include AUTEC 311 introduction course before students begin more advance automotive courses. In addition, a sequence that includes AUTEC 368, AUTEC 369, AUTEC 319 and AUTEC 320 for students. The committee discuss, reviewed and voted on this item. Industry members noted that there is a need for workers in all areas of shops and/or dealerships. There is presently a shortage of service workers. Industry further emphasized the importance of work experience while they are in school. Industry members also the need for automation (IT) recalibration exposure in both programs: Automotive and Auto Body.</i></p> <p><b>Modesto Junior College Auto Body Program:</b> <i>Professor Beebe provide program updates. The program is linked with the ICAR industry standard. The MJC West Campus is also the location for regional ICAR training for professionals. During this update the committee discussed why students typically enroll in 6 units as an opportunity to connect students to work experience. Professor Beebe presented on Auto Body Program changes: Certificate in Non-Structural and Certificate Refinishing Technician to better align to ICAR curricular changes. The committee reviewed and voted.</i></p>	
CONCLUSIONS	<p><b>Programs and Course Pre-Requisites:</b></p> <p><i>I. Automotive Pre-Requisites were reviewed and discussed. Motion: To approve Pre-Requisite Sequence: J Beebe. Seconded: J Williamson. Vote: Unanimous.</i></p> <p><i>II. Auto Body Course Pre-Requisites and Program recommended changes were review and discussed. Motion to approve Pre-Requisite Sequence: T Medina. Seconded: R Van Loon Vote: Unanimous.</i></p>	
ACTION ITEMS	PERSON RESPONSIBLE	DEADLINE
1.		

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### IV. Industry Feedback

DISCUSSION	<p><i>Industry Committee Employment Outlook: There is a need for workers in all areas of shops/dealerships. There is a shortage of service workers. Automotive technicians are aging out so it is important to continue the relationship with MJC and high schools to replace our retirees. This is an industry where you can always find work.</i></p> <ul style="list-style-type: none"> <li>• <i>Equipment updates for students we have now:             <ul style="list-style-type: none"> <li>○ <i>Need to keep up with industry training; paintbrush (cross flow and down side) no air flow and too small to accommodate a large amount of students. Not a lot of advantage to insulated booths: mostly for noise. Booth at MJC is adequate: 80% of shops in the field have the same equipment MJC does.</i></li> <li>○ <i>Consider looking at spray guns as there have been advancements.</i></li> <li>○ <i>Getting students to understand they need to invest in themselves: they need to put some dollars into their own equipment and building up tools.</i></li> <li>○ <i>MJC should consider fastening methods: ribbon guns, ribbon glue, silicon bronze: the joints now are butted up and weld with no heat. We have mig welders and a pro spot that is outdated (purchased in 2012). Welding may be the place to update equipment.</i></li> <li>○ <i>Most students are interested in painting rather than the body side, yet those who are unable to continue as painters look to work on the body side.</i></li> <li>○ <i>What happens to old equipment when you do upgrades: most of the time it is taken as a trade in or we maintain it in case the new one goes down. There is a possibility for donation. Ribbit guns and glue should be a consideration for purchase; Teaching booth as well.</i></li> </ul> </i></li> <li>• <i>Automotive: new vehicles for students to work on. The goal is for MJC to stay within 5 years of the latest model.</i></li> <li>• <i>There is a great deal of cross training needs from auto body to automotive. Is there a value in creating a melted program? Fully rounded auto body technician is a well-trained mechanic. Shops are having a complete frame take over every 6 weeks or so. What are the core classes a student would need for the cross over: simple mechanics, not diagnostic, not welding or riveting or bonding.</i></li> <li>• <i>What can we do to get more students out: communication with schools and all the auto body shops around. Gather an email list and start a communication/media campaign, get more auto body shops involved in planning: shop owners, shop managers, parts houses, etc. Social media aspect: Instagram, twitter, snap chat, etc. with weekly features. Auto Body shops could take over our social media and show the work they are doing in their shops and reach larger audiences. It is not always realistic to take students, but they are an audience on platforms. Generate interest and shed light on the industry. Doesn't have to stop at the shop. Can we get students to come in and provide the social media infrastructure so they learn</i></li> </ul>
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	<p><i>the language of automotive/body and they can create careers in the field that may not have been imagined in the past.</i></p> <ul style="list-style-type: none"> <li><i>Diagnostic and <b>OEM</b> is important (all data) . If anything is done wrong shops have a large liability. Having the correct information is important. Teaching/stressing the importance of liability issues to students.</i></li> </ul>	
CONCLUSIONS	<ol style="list-style-type: none"> <li><i>1) Program should offer Tours of shop during academic year.</i></li> <li><i>2) Classes need to bring in industry folks to speak to students.</i></li> <li><i>3) Auto Parts Course (ASE)</i></li> </ol>	
ACTION ITEMS	PERSON RESPONSIBLE	DEADLINE
<i>1.</i>		

NEXT MEETING: *To be Scheduled Late May 2019.*

**MJC Transportation (AITEC/AUBDY)  
Advisory Meeting**

**AUTOMOTIVE & AUTOBODY PROGRAMS**

FY 2019-20 DRAFT OF COURSE ASSIGNMENT PLAN

	<b>SUMMER 2019</b>	<b>FALL 2019</b>	<b>SPRING 2020</b>	<b>SUMMER 2020</b>
<b>J Beebe</b>	AUBDY 321*	AUBDY 301 AUBDY 302 AUBDY 303 AUBDY 321	AUBDY 301 AUBDY 302 AUBDY 303 AUBDY 322	AUBDY 321*
<b>G Wray</b>		AITEC 311 [M] AITEC 311 [A] AITEC 368 [M] AITEC 368 [A]	AITEC 311 [M] AITEC 311 [A] AITEC 368 [M] AITEC 368 [A]	
<b>J Peterson</b>		AITEC 311 (Turlock) AITEC 311 [E] AITEC 322 [M]	AITEC 311 (Turlock) AITEC 311 [A] AITEC 322 [E]	
<b>D Chew</b>	AITEC 321 [E]	AITEC 321 [E]	AITEC 317 [E]	AITEC 321 [E]
<b>L Corgiat</b>	AITEC 200 [A] AITEC 315 [M]	AITEC 200[M] AITEC 211 [M]	AITEC 200 [M]	AITEC 200 [A] AITEC 311 [M]
<b>J Davis</b>	AITEC 369* [A] AITEC 320* [E]	AITEC 324 [A] AITEC 369 [E]	AITEC 323 [A] AITEC 319 [E]	AITEC 369*[A] AITEC 320*[E]
<b>STAFF</b>		AITEC 373		
<b>D Preston</b>	AITEC 311 [M]	AITEC 311 [A]	AITEC 322 [A]	AITEC 311 [M]

<i>SPRING 2019</i>	<i>Monday</i>	<i>Tuesday</i>	<i>Wednesday</i>	<i>Thursday</i>	<i>Friday</i>
<i>Morning</i>	AITEC 311(GW) AITEC 322 (DP)	AITEC 311 ** AITEC 368 (GW)	AITEC 311 (GW) AITEC 322 (DP)	AITEC 311** AITEC 368 (GW)	AITEC 200 (LC) AITEC 317 (JP)
<i>Afternoon</i>	AITEC 311(GW) AITEC 323 (JD)	AITEC 368 (GW)	AITEC 311 (GW) AITEC 323 (JD)	AITEC 368 (GW)	AITEC 317 (JP)
<i>Evening</i>	AITEC 319 (JD)	AITEC 317 (DC) AITEC 311 (JP)*	AITEC 319 (JD)	AITEC 317 (DC) AITEC 311 (JP)*	

\*=Turlock,

## MJC Transportation (AUTEC/AUBDY) Advisory Meeting

### Autobody Collision Repair

### Certificate of Achievement: Non-Structural Technician

The Auto Body program is designed to help the beginning student progress through basic procedures in body repairs and painting to entry-level job skill development. Current practices used in industry are emphasized. The course orientation examines use of trade equipment, shop safety, theory, and hands-on activities required to perform practical repair operations.

#### PROGRAM LEARNING OUTCOMES

Upon satisfactory completion of this program, the student should be prepared to:

1. Identify various vehicle materials, bolt-on parts, and movable glass.
2. Perform steel cosmetic straightening and plastic repair.

#### PROGRAM REQUIREMENTS

To earn a Certificate of Achievement, the student must complete the following coursework. Each course must be completed with a grade of C or better.

	<b>Units</b>
AUBDY 301 Automotive Collision Repair 1	4
AUBDY 302 Automotive Collision Repair 2	4
AUBDY 303 Automotive Collision Repair 3	4

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Total Units	12
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Proposal Status: AWAITING ORIGINATOR ACTION

Curriculum Committee Approval:

BOT Approval:

CCCCO Approval:

PID 818



## MJC Transportation (AUTEC/AUBDY) Advisory Meeting

### Auto Body

### Certificate of Achievement: Auto Body/Collision Refinishing Technician

The Auto Body program is designed to help the beginning student progress through basic procedures in body repairs and painting to entry-level job skill development. Current practices used in industry are emphasized. The course orientation examines use of trade equipment, shop safety, theory, and hands-on activities required to perform practical repair operations.

#### PROGRAM LEARNING OUTCOMES

Upon satisfactory completion of this program, the student should be prepared to:

1. Perform basic refinishing techniques in accordance with industry standards.
2. Comply with current industry safety and environmental regulations

#### PROGRAM REQUIREMENTS

To earn a Certificate of Achievement Award, student must complete 11 units required with a grade of C or better.

#### **Required Courses - Complete 11 Units**

	<b>Units</b>
AUBDY 301 [ 1 ] Automotive Collision Repair 1	4
AUBDY 321 [ 1, 2 ] Automotive Refinishing 1	3
AUBDY 322 [ 2, 3 ] Automotive Refinishing 2	4

Total Units	<b>11</b>
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Proposal Status: LAUNCHED INTO APPROVAL STREAM

Curriculum Committee Approval:

BOT Approval:

CCCCO Approval:

**PID 847**

## MJC Transportation (AUTEC/AUBDY) Advisory Meeting

### Autobody Collision Repair

### A.S. Degree: Collision Repair and Refinishing

The Auto Body program is designed to help the beginning student progress through basic procedures in body repairs and painting to entry-level job skill development. Current practices used in industry are emphasized. The course orientation examines use of trade equipment, shop safety, theory, and hands-on activities required to perform practical repair operations.

#### PROGRAM LEARNING OUTCOMES

Upon satisfactory completion of this program, the student should be prepared to:

1. Comply with current industry safety and environmental regulations.
2. Perform repairs according to manufactures' recommendations.

#### PROGRAM REQUIREMENTS

To earn an Associate in Science Degree, the student must complete the MJC Associate Degree Requirements in addition to the following coursework.

	<b>Units</b>
AUBDY 301 Automotive Collision Repair 1	4
AUBDY 302 Automotive Collision Repair 2	4
AUBDY 303 Automotive Collision Repair 3	4
AUBDY 321 Automotive Spray Refinishing 1	3
AUBDY 322 Automotive Spray Refinishing 2	4

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Total Units	19
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Proposal Status: AWAITING ORIGINATOR ACTION

Curriculum Committee Approval:

BOT Approval:

CCCCO Approval:

PID 213