



AUTOBODY TECHNICIAN

Certificate and Associate Degree available at Baker College of Clinton Township and Flint



DIESEL SERVICE TECHNOLOGY

Certificate and Associate Degree available at The Auto/Diesel Institute of Michigan (Owosso)



AUTOMOTIVE SERVICES TECHNOLOGY

Certificate and Associate Degree available at The Auto/Diesel Institute of Michigan (Owosso), and Baker College of Auburn Hills, Cadillac, Clinton Township, and Flint



AUTOMOTIVE RESTORATION TECHNOLOGY

Associate Degree available at Baker College of Flint



AUTOMOTIVE SERVICES TECHNOLOGY—MOPAR CAP

Associate Degree available at The Auto/Diesel Institute of Michigan (Owosso)



WELDING

Certificate and Associate Degree available at Baker College of Cadillac, Cass City, Flint, and Owosso

Baker College of Owosso Admissions
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NEWS FROM UNDER THE HOOD

NEWS AND UPDATES FROM THE AUTO/DIESEL INSTITUTE OF MICHIGAN

WINTER 2016



THE AUTO/DIESEL INSTITUTE
OF MICHIGAN®

BAKER COLLEGE OF OWOSSO



TRAINING FOR EMERGING TECHNOLOGIES

From hybrid drivetrains to aluminum bodies, today's vehicles are like nothing that's ever hit the road before. Tomorrow's cars will be even more complex. Now that even experienced auto technicians are going back to school, specialized training has become an absolute necessity for anyone who wants to start or build a career.

FEWER WRENCHES, MORE LAPTOPS

As vehicles become more sophisticated, so do the tools needed to fix them. Audi is actually testing a robotic service assistant. Technicians now deal with issues that would have required an engineering degree in the past. In fact, U.S. News & World Report now lists 'auto mechanic' as one of the country's top 20 STEM professions. Today, a huge skills gap is opening up—one expert estimates that the average entry-level mechanic has less than 20% of the knowledge needed to do the job. Employers are looking for candidates who know the latest and most advanced diagnostic technologies and they will pay handsomely to get them.

THE MORE YOU KNOW, THE MORE YOU MAKE

Payscale.com says there is up to a \$50,000 gap in annual salaries between unskilled technicians and highly trained and experienced techs. Specializing in hybrid technologies can boost salaries by 20% or more; electric troubleshooting skills add an extra 10% to a paycheck.

Sources: <http://automotiveeducators.net/the-automotive-technology-revolution-dont-be-a-dinosaur-dude/>
<http://automotiveeducators.net/450/> • <http://www.autonews.com/article/20140519/RETAIL05/305199975/sputtering-auto-education-leads-to-skills-breakdown?> • <http://money.usnews.com/careers/best-jobs/auto-mechanic>
http://www.payscale.com/research/US/Job=Automotive_Technician/Hourly_Rate

WHAT'S NEW WHAT'S NEXT

According to the experts, these emerging transportation technologies are changing the way we drive—and service—our vehicles.

Autonomy

Automatic parking and active safety systems already exist. Automated highway driving systems will appear this year, with fully autonomous cars coming next.

Connectivity

Soon even the most basic vehicles will have features like navigation systems that find parking places, wireless cloud-based infotainment systems, and voice-activated controls.

Green Technology

Nearly every manufacturer offers hybrids, practical electric cars are becoming a reality, and fuel cells aren't far off. Meanwhile, advanced technologies are making internal combustion engines more efficient and cleaner

Sources: <http://autos.idpower.com/content/study-auto/IN3SbRs/2014-4-s-automotive-emerging-technologies-study-results.htm>
<http://www.businesscommunity.com/automotive/top-4-emerging-automotive-innovations-0379051>
<https://www.asme.org/engineering-topics/articles/automotive/3-emerging-trends-automotive-engineering>

INSIDE:

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3 Essentials For Career Advancement

Keeping it Real

The Growing Skilled Mechanic Shortage



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FACT

In 1999, the Honda Insight was the only hybrid on the market. In 2014, 47 different hybrid models—from Toyota to Porsche—were available in the US. Nearly half have been introduced since 2009.

Source: <http://www.usatoday.com/story/money/cars/2014/06/09/hybrid-cars-market-share-polk/10238155/>



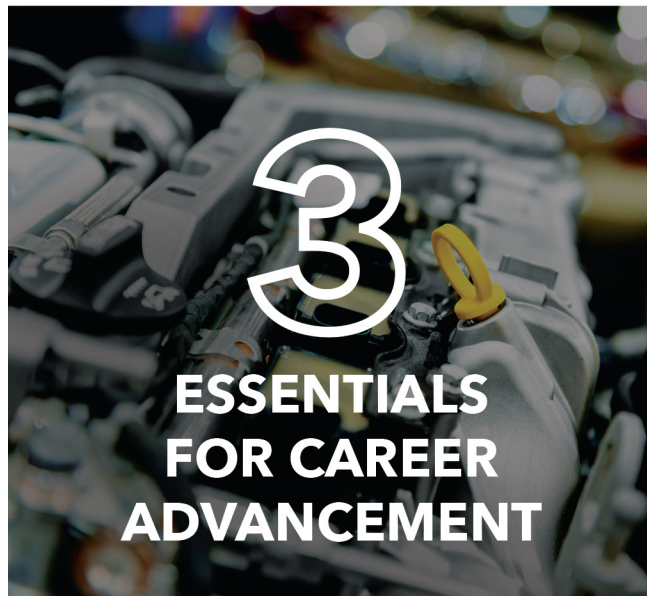
LIKE MOPARS? YOU'LL LOVE MCAP.

Finding good service techs is hard. So Fiat Chrysler decided to make their own—with MCAP, the MOPAR® Career Automotive Program. This partnership with Baker College's Auto Diesel Institute was exclusively developed to provide Chrysler dealerships with specialized service technicians. Along with the basics, this associate degree program emphasizes MOPAR vehicles and tech, and includes an internship at a Fiat Chrysler dealership so students can experience a real shop environment. Internships can very often lead to employment.

Sources: <http://www.moparcap.com/> • <http://www.baker.edu/programs-degrees/automotive-services-technology-mopar-associate/>

FACT: THE DEPARTMENT OF LABOR SAYS THERE WILL BE APPROXIMATELY 1.4 MILLION JOBS IN THE AUTO, DIESEL, MOTORCYCLE AND MARINE SERVICE INDUSTRIES BY 2020.

Source: <http://fleetowner.com/blog/partnering-tackle-technician-shortage>



1

Problem Solving Abilities: No matter how things change, this is key. Even with today's computerized diagnostics, it still takes strong analytical and diagnostic skills to determine problems—and develop solutions.

2

Social Skills: Whether you're a manager, owner, or working on the shop floor, you must be able to get along with others—co-workers, customers, supervisors—to be successful.

3

The Urge to Learn: From the day you start your first class onward, your ability and desire to learn and expand your skill set will largely determine how far you'll go—and how much money you'll make.

KEEPING IT REAL GIVING EMPLOYERS THE THING THEY WANT MOST



Employers want prospects who know how to work in a real-world service facility—the first day on the job. ADI gives students that experience.

In a modern garage, you'll find the most complex vehicles ever made, along with the most challenging service needs that require the most sophisticated—and expensive—maintenance and diagnostic technologies. It's no place for a beginner.

So, before Baker College designed the Auto/Diesel Institute, we asked employers what technologies and equipment we should have and what our programs should teach. We invested \$6.5 million to build an 43,000 sq. foot facility to meet those requirements. We hired a staff of experienced service professionals as instructors, and created an aggressive internship program that places students into real world work environments. The result is an educational experience that comes a close as possible to the conditions, tasks, and challenges found in an actual service department—and gives graduates a competitive edge in the marketplace.



THE GROWING SKILLED MECHANIC SHORTAGE

AN INDUSTRY'S BURDEN IS A
CAREER OPPORTUNITY FOR
PEOPLE WITH THE RIGHT SKILLS.

The industry is losing 60,000 technicians annually—and only adding 40,000 new ones. Meanwhile, over 200,000 additional jobs will be created by 2022.

Most auto and diesel techs are in their 40's or older, and nearing retirement. At the same time, the training needed and expected for even entry-level positions means there are fewer qualified candidates than jobs—jobs that can't be outsourced. As a result, demand is outstripping supply—which is great news for trained techs. Vehicle techs are now one of the top 20 jobs with good earnings and job prospects over the next decade, according to the Bureau of Labor Statistics. If you're a qualified tech, the future's brighter than it's been for a long time.

