

# 1

## Careers and General Industry Information

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### Objective

Students will be able to:



- Identify the size of the Automotive Industry.
- Compare and contrast significance aspects ASE and NATEF.
- List several of the many opportunities offered in the Automotive Industry.

### Orienting Questions

- ✓ Do you know what careers the automotive industry offers?
  - ✓ What are the salary potentials in the automotive industry?
  - ✓ Is there a demand for employment in this industry?
  - ✓ Is NATEF Accreditation important?
  - ✓ Is ASE Certification important?
  - ✓ What career or careers are you interested in?
  - ✓ What new careers if any interest you now?
  - ✓ Did this module influence your career plans?
- 

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\*\*\*Closed Captions and transcripts are available for all videos in this module. Click the  button at the bottom right of the play menu to turn on closed captions in the language of your choice. You may also read a full transcript of the video by clicking the  bottom of the play menu. If the YouTube closed captioning is not accurate, there will be an indication that the transcript is attached at the end of the module. \*\*\*\*



A black arrow pointing to the right inside a lavender circle is the symbol used for activities, which are non-graded assignments.



A black arrow pointing to the right inside an orange circle is symbol for a graded assignment.



A black question mark in a lavender circle is the symbol for a practice test.



A black question mark in an orange circle is the symbol for a graded test.

## INTRODUCTION

This module is designed to educate you the various career opportunities in the automotive industry. Throughout the module you will be given information about different careers, job requirements, salaries, and professional certifications. This module will highlight specific areas such as educational requirements, ASE, and NATEF. The purpose of this module is to enlighten you to career opportunities, not prepare you for employment. To learn more about this module, please click on the image for Video 1.



Video 1 – Introduction (by York Technical College, Public Domain)

For a transcript of this module, please click on [transcript](#).

For the embed code for video 1, please click on [embed](#).

Image: Man in front of a city view of roads with cars.



## PRE-TEST

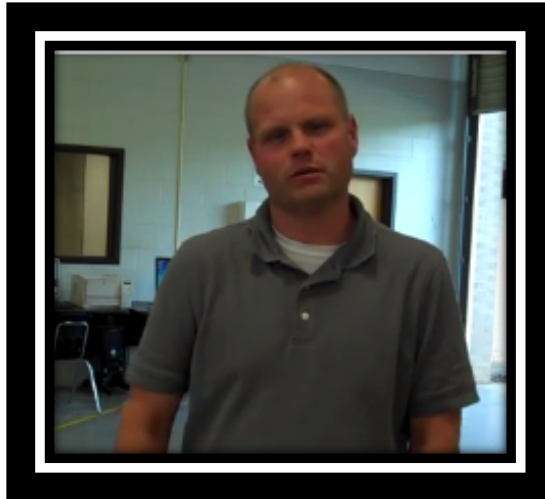
Please take the pre-test to evaluate how much you already know about the automotive industry.

1. What is the score required to pass an ASE Certification Test?
  - A. 60%
  - B. 65%
  - C. 70%
  - D. 80%
2. Many technicians become NATEF Certified.
  - A. True
  - B. False
3. The Automotive Industry is one of the largest employers in the US.
  - A. True
  - B. False
4. What is the average salary of a Master Certified Automotive Technician?
  - A. \$20000
  - B. \$31000
  - C. \$53000
  - D. \$75000
5. What Level of education is required to become an automotive designer?
  - A. High School Diploma
  - B. Associates Degree
  - C. Bachelor's Degree
  - D. Master's Degree
6. There is a large shortage of qualified automobile technicians in the US.
  - A. True
  - B. False

## 1.1 LABOR STATISTICS

The Automotive Industry is one of the largest sectors of the US economy directly employing nearly 2 million people at the same time indirectly employing over 13 million. Estimates reveal that the transportation industry equates to around 10 % of the total jobs in the US. To put this in perspective automobile manufacturing and sales represent 5% of the GDP in the US totaling around \$850 billion. This number only includes a small percentage of the 13 million indirectly employed by the industry and does not represent profits made from the sale of parts and labor required to keep the industry rolling. According to the Bureau of Labor and Statistics many areas of the indirectly employed are experiencing growing shortages in skilled workers. These areas include automotive service technicians and collision repair technicians. The shortage in qualified labor is a direct result of sophisticated technology used in vehicles today.

Industry analysts estimate the shortage of qualified automotive repair technicians at 60000 and growing. Note the word qualified. Qualified technicians are those with formal training, successful work experience, and industry recognized credentials. According to the Bureau of Labor and Statistics, employment of automotive service technicians and mechanics is projected to grow 9 percent from 2012 to 2022, about as fast as the average for all occupations. As the number of vehicles in use continues to increase, more entry-level service technicians will be needed to do basic maintenance and repair, such as replacing brake pads and changing oil. The increasing lifespan of late-model cars and light trucks will further increase demand for qualified workers. With some employers reporting difficulty finding workers with the right skills and education, job opportunities for qualified applicants should be very good. Jobseekers who have completed formal postsecondary training programs—especially candidates with training in advanced automotive technology, such as hybrid fuel or computer systems—should enjoy the best job prospects. **Those without formal automotive training are likely to face strong competition for entry-level jobs.** Increased employment in this sector of the industry will result in the exponential growth in essential support and supply areas. For more information, please click on the Video 2 image to watch a student gives his reasons about why he chose automotive technology.



Video 2 – Automotive Technology (York Technical College, CC – BY)

For a transcript of this video, please click on [transcript](#).

Image: Woman who is seated.



## ACTIVITY 1

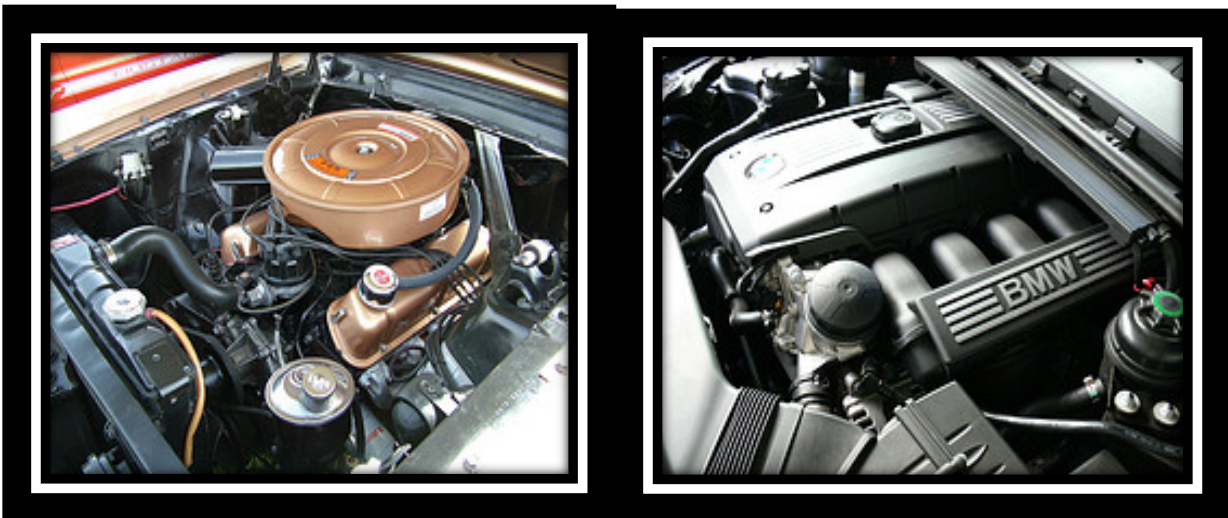


Figure 1 (on left) – old under hood (by Jonathon Stewart, (CC BY – NC – ND 2.0)

Figure 2 (on right) – new under hood (by Jonathon Stewart, CC BY – NC – ND 2.0)

Image 1: motor from the 1970s

Image 2 motor from the present

The illustrations above represent the under hood changes that occurred from the 1970's to present. Compare and contrast the two images and reflect on the technological changes that you see. Record your answers in a journal. (This is a non-graded activity designed to assess your subject knowledge and technology acumen.)



### ASSIGNMENT 1 – DISCUSSION PROMPT

Discuss your answers to activity 1. Compare and contrast the answers posted by your fellow classmates.

## 1.2 ASE/NATEF

*ASE Automotive Service Excellence* and *NATEF National Automotive Technicians Education Foundation* are two branches of a non-profit organization designed to improve the quality of automotive service and repair through a certification process.

### 1.2.1 PROGRAM CERTIFICATION

NATEF is an accrediting body that certifies automotive educational programs in high schools and colleges. NATEF was founded in 1983 with the mission of providing quality automotive technician training programs nationwide. Prior to NATEF, most automotive training programs operated autonomously, with inadequate regulation and structure. Many programs lacked the resources needed to provide the level of education needed to produce industry ready workers. Most programs operated with antiquated equipment, and were limited to the skill and experience of the instructor. With these frustrations many instructors shifted their programs from vocational training to hobby shops offering little if any structured curriculum. Alarming as automotive training was deteriorating, automotive technology was rapidly advancing creating a vast shortage of qualified repair technicians. As the demand for qualified labor grew school administrations began to adopt and operate using the NATEF guidelines ultimately to achieve program accreditation. Acquiring NATEF accreditation is a difficult and expensive process that can take several years to complete. The accreditation requires a commitment between the school administrators, the automotive program staff, and

NATEF. The school administrators must provide the resources needed to improve facilities, upgrade equipment, and purchase tools as needed to meet industry standards. The program staff must maintain personal certification, attend continuing education courses yearly, and deliver a NATEF approved curriculum. NATEF's role is to provide up to date curriculum and training procedures as well as providing program oversight. NATEF is also responsible for keeping program benchmarks at the highest levels needed to maintain credibility. One important aspect of NATEF accreditation is that it has a vigorous recertification process that requires schools update tools and equipment at a minimum of five years.



Figure 3 – natef key (by Jonathon Stewart, CC BY – NC – ND 2.0)

Image: NATEF Key with National Automotive Technicians Education Foundation written below the key. The key has a blue cog with ASE certified inside the cog and NATEF written on the shaft of the key.

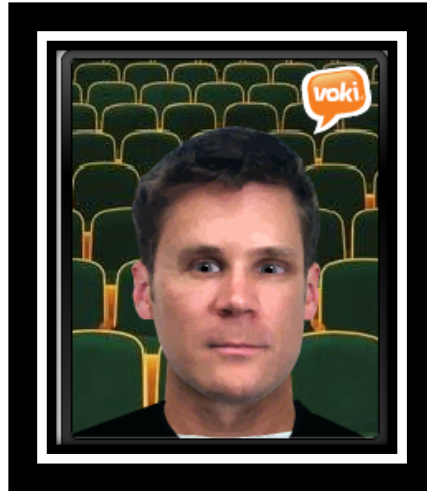
Educationally NATEF offers a huge benefit to schools in the form of credit transferability between institutions. NATEF also improves articulation agreements between high school and college programs by giving students dual credit for work performed. As more schools adopt NATEF, education in the field of automotive technology will continuously improve nationwide. When choosing a program to attend be sure to look for the symbol below or ask if the school is NATEF Certified.



### 1.2.2 TECHNICIAN CERTIFICATION

ASE Certification differs from NATEF in that it qualifies the individual rather than an institution. Since 1972 ASE has been offering its certification process to improve the quality of automotive repair and service. ASE was formed with the goal of protecting the automotive consumers and shop owners by providing technicians the ability to provide tangible proof of their experience level. The certification process requires both technical knowledge and two years of verifiable work experience. Assessment tests written by industry professionals are used to examine and measure technical knowledge. Certification tests are designed to assess technical, reasoning, and analytical skills. The tests are not easily passed with only two out of three passing on their first attempt. Dreaded difficulties for most test takers are the Technician A and B questions. These questions are written with two technicians offering similarly correct answers to a scenario. Test takers must establish which technician has the most correct answer, if they are both correct, or if they are both wrong. Another way technique used by the test writers is providing false information that appears correct. A popular way to do this is including the adverbs always or never to a seemingly correct answer.

ASE Certification tests are usually 50-60 questions per area and require a score of 70% to pass. Certifications last for 5 years and can be renewed by taking a shorter recertification test still requiring 70% to pass. Credentials come in the form of certificate, patches, or magnetic emblem. Electronic Credentials can be viewed and printed from ASE website. For more information about NATEF/ASE certifications, please click on the Video 3 image.



Video 3 – NATEF/ASE Certification (York Technical College, Public Domain)

For a transcript of this video, please click on [transcript](#).  
For the embed code for this video, please click on [embed](#).

Image: Man in a classroom

Figure 4 shows an ASE certificate.



Figure 4– photo (by Jonathon Stewart, CC BY – NC – ND 2.0)

Image of an ASE certificate

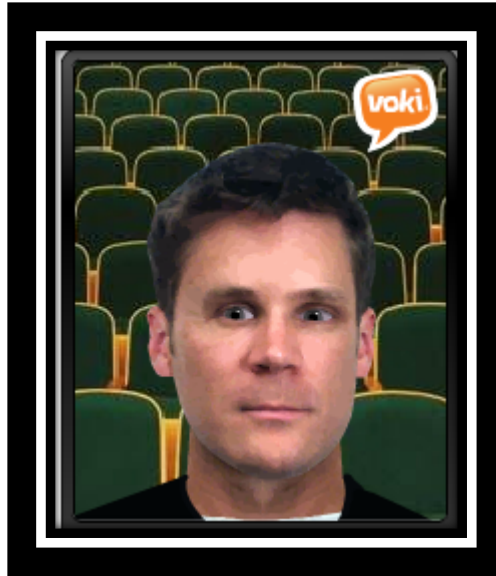
Figure 5 shows the various patches that can be earned through passing the various certifications.



Figure 5 – ase progress (by Jonathon Stewart, CC BY – NC – ND 2.0)

Image: Left patch is ASE blue cog logo with Certified Automotive Technician (on a white background) written below it. The center patch has the ASE blue cog logo with Certified "Master Automobile Technician" (on a yellow background) written below it. The right patch is narrow and has a gold border. Inside it has the ASE blue cog logo with Certified Advanced Level Specialist written to the right of the logo. The patches show the progression of certification (moving from left to right).

ASE currently certifies around 330,000 industry professionals in many areas of the automotive repair industry. These areas include automotive technicians, service consultants, parts specialists, collision repair technicians, damage estimators, heavy duty technicians, and machinists. ASE also offers specialty certifications such as master level, advanced level, and maintenance and light repair. Becoming certified in one or more of the ASE levels will greatly improve a person's chances of finding quality employment in the automotive industry. Although ASE certification is not required for all employment in the automotive industry it helps qualify technicians for fruitful employment and promising careers. For more information, please click on the Video 3 image to watch a short video.



Video 4 – ASE Master (York Technical College, Public Domain)

For a transcript of this video, please click on [transcript](#)

For the embed code for this video, please click on [embed](#).

Image: Man in a classroom



## ASSIGNMENT 2

Use the information in this section to answer the following ASE Style questions. Remember to account for the tricks explained in the text before you answer each question. (This is a non-graded activity designed to reflect on what you are learning in the text.) Submit your answers to the dropbox.

1. Technician A states that ASE and NATEF are the same company. Technician B states that ASE certifies individual technicians. Which Technician is correct?
  - A. Technician A
  - B. Technician B
  - C. Both
  - D. Neither
2. Technician A states that NATEF was formed in the 1980s. Technician B states that schools always follow NATEF guidelines. Which technician is correct?
  - A. Technician A
  - B. Technician B

- C. Both
- D. Neither

### 1.3 CAREERS

While researching this topic a Google Search of “Careers in the Automotive Industry” revealed that on May 2, 2014 there were 39,296 active automotive employment opportunities on careerbuilder.com. This surprising number led the research to careerbuilder.com/Charlotte, NC/Automotive which revealed that today there were 487 active jobs within a 25 mile radius of downtown Charlotte, NC. With curiosity at the wheel I performed the same search on banking jobs using the same parameters and found 282 active jobs. Right now everyone must be thinking, why banking or what does this have to do with automotive jobs? Charlotte, NC is the second largest banking center in the US, home to the country’s largest bank, and yet has 205 more available jobs in the automotive industry.

Careers in the automotive industry are classified many ways but for this exercise two will be used. The two classifications used are manufacturing and sales and service both of which have multiple sub-categories. It is important to be able to distinguish the differences in these classifications and sub-categories as the educational paths to each may differ. Careers in manufacturing include areas such as assembly, design, engineering, production, and logistics.

Career	Minimum Required Education	Average Salary	Estimated Job Growth through 2020
Assembly	Entry Level or Associates Degree	\$46630	+4.2%
Design	Masters <i>Mechanical Engineering</i>	\$62430	+10%
Engineering	Bachelors <i>Mechanical or Electrical Engineering</i>	\$70094	+9%
Production	Associate/Bachelors	\$48640	+4.2%
Logistics	Associate/Bachelors	\$48260	+9.5%

Information in the above chart comes from the [Bureau of Labor Statistics](#), 2013 (Link 1, Bureau of Labor Statistics, Public Domain)

Careers in the sales and service classification include areas such as automotive repair technicians, collision repair technicians, parts sales, vehicle sales, and specialty installers.

Career	Minimum Required Education	Average Salary	Estimated Job Growth through 2020
Automotive Repair Technician	*Associates Degree or Experience	**\$37000	+10%
Collision Repair Technician	*Associates Degree or Experience	**\$38000	+13%
Parts Sales	High School	**\$22000	+10%
Vehicle Sales	High School	**\$22000	+10%
Specialty Installers	Specialty Training	** \$36000	+10%

The information in the table above comes from [Bureau of Labor Statistics](#) (Link 2, Bureau of Labor Statistics, Public Domain) and [SCWORKS 2013](#). (Link 3, SC WORKS, Public Domain) The asterisk (\*) indicates that degree or experience requirements may not apply to industry positions considered entry-level. The double asterisk (\*\*) indicates that the salary data reflects the entire industry including full and part-time workers. Salary data is heavily weighted by government and state wage scales which can reflect a lower average. ASE estimates that the average salary for a master automotive technician is \$53000 with the top 25% averaging \$73000.

Jobs in the manufacturing classification are typically located within the proximity of a plant or factory. These jobs include the categories in table 1 along with administration and support. Assembly jobs make up the majority of the jobs in this classification and are responsible for building the final product. Assembly jobs require less education pay well and require hard, monotonous work for long hours with varying shifts. Production jobs require more education than assembly and are ultimately responsible for providing the materials needed for assembly. These jobs can either be

with company or through a direct vendor such as Visteon which services Ford Motor Company. Production jobs offer competitive salaries but may require long hours with varying shift work. Engineers and Designers are jobs with similar education paths that are commonly confused. Designers are the people seen in the commercials molding a car out of a block of clay or creating new concepts. These jobs are portrayed as the more glamorous job but keep in mind they have to design the minivan as well as the sports car. Engineers on the other hand are required to make concept become reality. They are responsible for creating a durable and feasible product to sell. Some aspects of engineering such as powertrain engineering may offer a high level of excitement while others such as a seat engineer may not. Both designers and engineers can expect higher salaries as well as normal work schedules. Logistical jobs are responsible for ensuring materials from production reach the assembly lines on time. These jobs are critical to the successful operation of today's streamlined manufacturing processes. Historically these jobs that involved mainly warehousing have evolved into strategic shipping and receiving. These jobs offer competitive wages and may require long hours and varying shift work.

Jobs in the sales and service category typically operate on a retail sales schedule requiring some weekend work. These jobs rarely expect varying shifts but may require extended hours. Automotive repair technician jobs have evolved from greasy jobs requiring only mechanical ability to highly technical jobs involving sophisticated electronics.

The job of an automotive repair technician while at times difficult is a great career path with excellent salary potential and ample employment. The job of a collision repair technician has also changed drastically due to new technologies in electronics as well as new materials used in vehicle construction. Collision repair technicians are required to make quality repairs without reducing the effectiveness of vehicle safety designs. Jobs in collision repair offer salaries competitive to repair technicians and typically operate on a shorter work week. Specialty installer jobs are people highly skilled to perform a specific task or niche. An example of this type of job is a windshield installer. This category represents some of the fastest job growth in the nation, and is a great area for entrepreneurs to succeed. Please take a few minutes to watch Video 5 which may be accessed by clicking on the video 5 image. The video is about a student giving her reasons for selecting a career in the automotive industry.





Video 5 – Automotive Careers (York Technical College, CC – BY)

For a transcript of this video, please click on [transcript](#).

Image of a woman

Jobs in this area usually require full retail sales hours with pay determined by actual work completed. Parts, service, and vehicle sales represent the face of the automotive industry. These positions require constant customer service and demand strong product knowledge. Salaries in these positions are competitive and usually based on sales commission and customer satisfaction. These jobs require more mental than physical stress, and typically represent the people that arrive first and leave last. Careers in sales and service classification should expect growth at or above the national average of 10%. Job growth will also vary regionally exhibiting sharp increases in emerging markets. The following video gives a great perspective of why to consider an automotive career. To watch the video, please click on the Video 6 image.





Video 6 – Automotive Industry Jobs on the Rise (Lauren Fix, Standard YouTube License)

For a transcript of this video, please click on [transcript](#).

Image of a woman in a car shop



## ACTIVITY 2



Figure 6 (on left) – old dash (by Jonathon Stewart, CC BY – NC – ND 2.0)

Figure 7(on right) – new dash (by Jonathon Stewart, CC BY – ND 2.0)

Images: Figure 6 – old dash and Figure 7 – new dash

The illustrations above represent changes in the skill level required to be an automotive technician. Describe the changes you can see between the two images. Record your answers in a journal. (This is a non-graded activity designed to assess your subject knowledge and technology acumen.)



### ASSIGNMENT 3 - DISCUSSION PROMPT

Discuss your answers to activity 3. Compare and contrast the answers posted by your fellow classmates.



### ASSIGNMENT 4 - CRITICAL THINKING

Review your journal and discussion posts regarding activities 1 and 3. Explain why and how you answered each question. What role did technology play in influencing your decision making? What do you think these images will reflect 10 years from now? How will you prepare for future technological advancements? Submit your answers to the dropbox.

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### MAJOR CONCEPTS FOR REVIEW FOR TEST

- Learn automotive career information.
- Learn about automotive labor statistics.
- Review automotive career educational requirements
- See automotive career salary information.
- Learn what NATEF is.
- Learn what ASE is

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### KEY TERMS

ASE

NATEF

BLS

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## GLOSSARY

ASE – acronym for Automotive Service Excellence

NATEF – acronym for National Technician Education Foundation

BLS – acronym for Bureau of Labor and Statistics

## FURTHER STUDY

More information on this module can be found online at the following websites:

- [Bureau of Labor Statistics](#) (Link 4, Bureau of Labor Statistics, Public Domain)
- [National Institute for Automotive Service Excellence](#) (Link 5, National Institute for Automotive Service Excellence, All rights reserved)
- [SC Works](#) (link 6, SC Works, Public Domain)



## POST -TEST

1. The Automotive Industry is one of the largest employers in the US.
  - A. True
  - B. False
  
2. Industry analysts predict the shortage of qualified automotive technicians to be approximately.
  - A. 10000
  - B. 50000
  - C. 60000
  - D. 100000
  
3. What Level of education is required to be an automotive engineer?
  - A. High School
  - B. Associates Degree
  - C. Bachelors Degree
  - D. Masters Degree
4. NATEF was founded in 1865.
  - A. True
  - B. False
5. ASE was founded in 1972.
  - A. True
  - B. False
6. What is the average salary of an ASE Certified Master Technician?
  - A. \$20000
  - B. \$33000
  - C. \$53000
  - D. \$75000
7. ASE currently certifies approximately 330,000 individuals.
  - A. True
  - B. False
  
8. ASE and NATEF are competitors in the same industry.

- A. True
  - B. False
9. Estimated job growth for automobile technicians should increase by \_\_\_\_\_% through 2020.
- A. 5%
  - B. 10%
  - C. 15%
  - D. 30%
10. What level of education is required to become an automotive designer?
- A. High School
  - B. Associates Degree
  - C. Bachelor's Degree
  - D. Master's Degree
11. The top 25% of Master Certified Technicians earn \$73000.00 per year.
- A. True
  - B. False
12. ASE certification tests require a score of 100% to pass.
- A. True
  - B. False
13. Automotive Manufacturing and Sales represent what percentage of the US GDP.
- A. 1%
  - B. 5%
  - C. 10%
  - D. 20%
14. Jobs in automotive manufacturing are typically located within the proximity of the plant of factory.
- A. True
  - B. False
15. Automotive technicians are required to work long hours on varying shifts.
- A. True
  - B. False
16. Why do you think automotive job growth will vary regionally, especially in emerging markets?
17. What is meant by using the term retail hours in reference to automotive employment?

**ANSWERS TO PRE-TEST**

1. A
2. B
3. A
4. C
5. D
6. A

**ANSWERS TO ACTIVITIES**

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**ACTIVITY 1**

This is a reflection journal, so the answers will vary.

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**ACTIVITY 2**

This is a reflection journal, so the answers will vary.

**ANSWERS TO ASSIGNMENTS**

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**ASSIGNMENT 1 – DISCUSSION PROMPT**

The discussion answers will vary; however, students must post at least one comparison and at least one contrast.

**Rubric for Assignment 1**

Item	Meets Expectations	Does Not Meet Expectations	Points
Comparison	Student gives at least one comparison 1 – 50 points	Student does not give at least one comparison 0 points	
Contrast	Student gives at least one contrast. 1 – 50 points	Student does not give at least one contrast. 0 points	
Comments			Total Points

**ASSIGNMENT 2 - DROPBOX**

1. C

2. A

Each question is worth 50 points.

**ASSIGNMENT 3 – DISCUSSION PROMPT**

The discussion answers will vary; however, students must post at least one comparison and at least one contrast.

**Rubric for Assignment 3**

Item	Meets Expectations	Does Not Meet Expectations	Points
Comparison	Student gives at least one comparison 1 – 50 points	Student does not give at least one comparison 0 points	
Contrast	Student gives at least one contrast. 1 – 50 points	Student does not give at least one contrast. 0 points	
Comments			Total Points

**ASSIGNMENT 4 - CRITICAL THINKING**

Review your journal and discussion posts regarding activities 1 and 3. Explain why and how you answered each question. What role did technology play in influencing your decision making? What do you think these images will reflect 10 years from now? How will you prepare for future technological advancements?

**Grading Rubric for Critical Thinking**

<b>Criteria</b>	<b>Meets Expectations</b>	<b>Partially Meets Expectations</b>	<b>Does not meet expectations</b>	<b>Total points</b>
<b>Knowledge</b>	Student has a clear understanding of the topic (40-30)	Student exhibits some understanding of the topic (29-16)	Student shows little to no understanding of the topic (15-0)	
<b>Analysis</b>	Student offers a concise rationale for their choices (40-30)	Student offers some rationale for their choices (29-16)	Student shows little to no rationale for their choices (15-0)	
<b>Spelling and Grammar</b>	Sentences are coherent; grammar/spelling errors are absent or rare (20-15)	Most sentences are coherent; few grammar/spelling errors (14-6)	Sentences are incoherent; numerous grammar/spelling errors (5-0)	
<b>Comments:</b>			<b>Total Points:</b>	



Criteria	Meets Expectations	Partially Meets Expectations	Does not meet expectations	Total points



## ANSWERS TO POST TEST

1. A
2. C
3. D
4. B
5. A
6. C
7. A
8. B
9. B
10. D
11. A
12. B
13. B
14. A
15. B
16. Answers will vary; basically this question is looking for an association between population growth and employment in the automotive industry.
17. Answers will vary; but should describe hot customer times, such as nights and weekends

## TRANSCRIPTS AND EMBED CODES

## VIDEO 1 – INTRODUCTION

This module will introduce careers, job requirements, salaries, and professional certifications for the auto industry. Highlighted will be educational requirements, ASE, and NATEF. The module purpose is awareness. Let's begin.

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VIDEO 1 – EMBED CODE

```
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VIDEO 2 – AUTOMOTIVE CAREERS

Jeff why'd you choose automotive technology as a career?

Uh, it's something that I've been interested in since the day I started, uh, working on cars uh its a need for technicians in the field and there's money to be made and it's a good opportunity to further my career.

Perfect

You feel there's good career opportunities in this industry?

Yes, of all the research I've did there are plenty opportunities and money to be made in this career.

Thank you.

---

VIDEO 3 – NATEF/ASE CERTIFICATION – VOKI - TRANSCRIPT

It is important to remember that only schools or educational institutions can become NATEF certified. Only individuals can become ASE certified. Please keep these differences in mind as we progress through the module.

## VIDEO 3 – EMBED CODE

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```

## VIDEO 4 – ASE MASTER CERTIFICATIONS – TRANSCRIPT

Upon successful completion of A1 through A8 ASE certifications the student or now technician is considered a master automotive technician. You may want to look for these patches on the sleeves of your automotive technicians.

## VIDEO 4 – EMBED CODE

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## VIDEO 5 – AUTOMOTIVE CAREERS

Ready?

Why would you recommend automotive technology to a potential student? I would recommend the automotive technology program here at York Tech to a student because, one, our students do get real world experience before they actually graduate and work in that field. Our professors in that field are very hands on and dedicated and they already have experience with it. So our students will be well prepared when they graduate to work directly in the industry.

Thank you.

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## VIDEO 6 – AUTOMOTIVE INDUSTRY JOBS ON THE RISE

Hi, I'm Lauren Fix, the car coach. If you're looking for a new job or a career path change consider the automotive technology field. There is plenty of jobs not just as technician, but in sales, service, and parts. Parents and students should take a second look at automotive repair, a high tech career that is always in demand and can't be outsourced overseas. Parents, if becoming an automotive technician is not high on your list of career choices for your child, perhaps it's time to look again. You may consider the automotive industry for yourself as well.

The automotive industry is continuing to grow at a very high pace with more units in operation, that means that we're gonna have more customers that could be coming to our service department.

Given the advance of technology in a richly varied industry that offers an array of positions and career paths, the future is bright for talented young person's with math,

science, communications, and technical skills. And unlike many high-tech careers that require four, six, or eight years of college, automotive technology can begin in just two years of education. As for any career, lifelong learning and continuing education is necessary. But the simple fact is students in automotive technology can get out in the real world sooner with less college debt. Moreover, job growth looks strong in the foreseeable future. The US Department of Labor's Bureau of Labor Statistics forecast automotive repair and maintenance industry is expected at 237,500 new jobs and have a 30% growth rate for 2020.

Locations are up a great frame of mind, a like to work with people because we are a people business. And I think if they have the willingness to learn, we will give them the tools and teach them the road to becoming salesperson, technician, and whatever else we have in the business.

So if your child prefers to get out in the real world and make his or her mark, consider a career in automotive technology. Within 360,000 professionals hold current ASE certifications. For more information, go to our website at [YNN.com](http://YNN.com). I'm Lauren Fix, the car coach.

## ATTRIBUTION TABLE

Link	Author/s	Title	Source	License
Video 1	York Technical College	Introduction	<a href="http://www.voki.com/pickup.php?scid=11613834&amp;height=267&amp;width=200">http://www.voki.com/pickup.php?scid=11613834&amp;height=267&amp;width=200</a>	Public Domain
Video 2	York Technical College	Automotive Technology	<a href="https://youtu.be/c0XZce8NCzw">https://youtu.be/c0XZce8NCzw</a>	Creative Commons – Attribution (CC – BY)
Figure 1	Jonathon Stewart December 8, 2014	old under hood	<a href="https://www.flickr.com/photos/125390477@N05/15976609041/in/photostream/">https://www.flickr.com/photos/125390477@N05/15976609041/in/photostream/</a>	Creative Commons Attribution – NonCommercial – NoDerivs 2.0 Generic (CC BY – NC – ND 2.0)
Figure 2	Jonathon Stewart December 8, 2014	new under hood	<a href="https://www.flickr.com/photos/125390477@N05/15952826026/in/photostream/">https://www.flickr.com/photos/125390477@N05/15952826026/in/photostream/</a>	Creative Commons Attribution – NonCommercial – NoDerivs 2.0 Generic (CC BY – NC – ND 2.0)
Figure 3	Jonathon Stewart December 8, 2014	Natef key	<a href="https://www.flickr.com/photos/125390477@N05/15791452958/in/photostream/">https://www.flickr.com/photos/125390477@N05/15791452958/in/photostream/</a>	Creative Commons Attribution – NonCommercial – NoDerivs 2.0 Generic

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Video 3	York Technical College	NATEF/ASE Certification	<a href="http://www.voki.com/pickup.php?scid=11614032&amp;height=267&amp;width=200">http://www.voki.com/pickup.php?scid=11614032&amp;height=267&amp;width=200</a>	Public Domain
Figure 4	Jonathon Stewart December 5, 2014	photo	<a href="https://www.flickr.com/photos/125390477@N05/15791422088/in/photostream/">https://www.flickr.com/photos/125390477@N05/15791422088/in/photostream/</a>	Creative Commons Attribution – NonCommercial – NoDerivs 2.0 Generic (CC BY – NC – ND 2.0)
Figure 5	Jonathon Stewart December 8, 2014	Ase progress	<a href="https://www.flickr.com/photos/125390477@N05/15793032237/in/photostream/">https://www.flickr.com/photos/125390477@N05/15793032237/in/photostream/</a>	Creative Commons Attribution – NonCommercial – NoDerivs 2.0 Generic (CC BY – NC – ND 2.0)
Video 4	York Technical College	ASE Master Certification	<a href="http://www.voki.com/pickup.php?scid=11614056&amp;height=267&amp;width=200">http://www.voki.com/pickup.php?scid=11614056&amp;height=267&amp;width=200</a>	Creative Commons Attribution – NonCommercial – NoDerivs 2.0 Generic (CC BY – NC – ND 2.0)

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Link 2	US Department of Labor Bureau of Labor Statistics	Bureau of Labor Statistics	<a href="http://www.bls.gov">http://www.bls.gov</a>	Public Domain
Link 3	SC WORKS	SCWORKS	<a href="https://scworks.org/">https://scworks.org/</a>	Public Domain
Video 5	York Technical College	Automotive Careers	<a href="https://youtu.be/uCezENMcDuM">https://youtu.be/uCezENMcDuM</a>	Creative Commons – Attribution (CC – BY)
Video 6	Lauren Fix October 16, 2013	Automotive Industry Jobs on the Rise	<a href="https://youtu.be/KB5-AX-T6dU">https://youtu.be/KB5-AX-T6dU</a>	Standard YouTube License
Figure 6	Jonathon Stewart December 8, 2014	Old dash	<a href="https://www.flickr.com/photos/125390477@N05/15358972243/in/photostream/">https://www.flickr.com/photos/125390477@N05/15358972243/in/photostream/</a>	Creative Commons Attribution – NonCommercial – NoDerivs 2.0 Generic (CC BY – NC – ND 2.0)
Figure 7	Jonathon Stewart December 8, 2014	New dash	<a href="https://www.flickr.com/photos/125390477@N05/15952825646/in/photostream/">https://www.flickr.com/photos/125390477@N05/15952825646/in/photostream/</a>	Creative Commons Attribution – NonCommercial – NoDerivs 2.0 Generic (CC BY – NC – ND 2.0)



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Link 3	US Department of Labor Bureau of Labor Statistics	Bureau of Labor Statistics	<a href="http://www.bls.gov">http://www.bls.gov</a>	Public Domain
Link 4	National Institute for Automotive Service Excellence	National Institute for Automotive Service Excellence	<a href="https://www.ase.com/Home.aspx">https://www.ase.com/Home.aspx</a>	1972 – 2014, All Rights Reserved
Link 5	US Department of Labor Bureau of Labor Statistics	Bureau of Labor Statistics	<a href="http://www.bls.gov">http://www.bls.gov</a>	Public Domain



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