Automotive Program Mission

- **Prepare students** to compete successfully in the automotive workforce or continue their education in a higher degree program.

- Strengthen the automotive workforce by providing **well trained, honest employees** who exemplify the high ideals and standards of the church in their chosen professions.

- To become **good providers** for their families and to contribute to the Church and their communities’.
Why do I have to buy so many tools?

Your tools are an investment in yourself. No matter what you end up doing in the automotive field, your ability to use those tools to do things others can’t will be one of your greatest assets. Here are some things you should know about your tools:

- If you buy them at our Tool Show – held during the first week of each semester - you can get discounts of up to 60%; plan to get as many of the “optional” tools as you can before you graduate and lose the discount.
- If you can avoid it, you should not go into debt for tools; instead, budget a little bit of money each month for tools. Employers say that their best employees continue this throughout their careers. BUDGET FOR TOOLS.
- Buy quality tools. Cheap tools will generally cost you more in the long run. Just because it has a lifetime warranty does not mean it is a quality tool.
- Rule of thumb: If you have to borrow someone else’s tool three times, you should buy one for yourself.
- Buy a small tool cart or box for now. We do not have room to store large tool boxes. You can buy the big one before you graduate—if you want.
- You cannot complete an internship without at least the minimum required tools.
- If you fill out a grant application, be sure to mention in the application that you will need to buy tools for your majors. There is sometimes financial help available.

To see the tool list, click here.
The Automotive Program offers **three** degrees:

1. **B.S. or a Bachelors of Science in Automotive Technology**
   (you choose a minor or two clusters)
   - 4-year degree

2. **B.S. or a Bachelors of Science in Automotive Technology with a Business Management Emphasis**
   - 4-year degree

3. **A.A.S. or an Associate of Applied Science in Automotive Technology**
   - 2-year degree

*Click here to learn more about each degree to and see required courses.*

*Automotive Minors and Clusters are welcome options for students of other majors.*

Note: slide show must be started in order to activate links
Click on one of the following links to see a suggested plan for completing your degree. Notice the arrows that show prerequisites, and the “F,W,S” that indicates which semesters each course is offered.

- **B.S in Automotive Technology Management**
  - [Fall / Winter Sequence](#)
  - [Winter / Spring Sequence](#)

- **A.A.S. in Automotive Technology**
  - [Fall / Winter Sequence](#)
  - [Winter / Spring Sequence](#)
2. Auto 298 and Auto 398 are internship experiences.
   - Both of these internships are required for graduation.
   - Internship(s) types will be discussed in a later slide.

3. Auto 300 (formerly B 364) Automotive Networking and Business Management is a required class for BS degrees. It is taught Winter Semester only. Plan accordingly.

2. Auto 125 is a one-credit, online course that is required for all students who begin after Fall 2010. You should register for this class during your first semester in the program.
“Winter-only” classes

The following courses are only offered Winter Semesters. Plan accordingly.

1st Winter Semester:
- Auto 201 Manual Drive Trains (4 credits)

The following two classes are to be taken together
- Auto 231 Electrical 2 (3 credits) (Prerequisites: Auto 131)
- Auto 232 Engine Performance 2 (3 credits) (Prerequisites: Auto 132)

2nd-4th Winter Semesters:
Take at least one of these each Winter Semester:
- Auto 340 Alternate Fuel (3 credits) (Prerequisites: Auto 131, 132, 231, 232)
- Auto 350 Engine (6 credits) (Prerequisites: Auto 131, 132, 231, 232, & 201)
- Auto 365 Auto Trans (6 credits) (Prerequisites: Auto 131, 132, 231, 232, & 201)
- Auto 300 Auto Networking & Business Management (3 credits)
Fall & Spring classes

The following courses are offered only Fall & Spring Semesters.

**1st Fall or Spring Semester:**
- Auto 155 Brakes & Suspensions (4 credits)
- The following two classes are to be taken together
- Auto 131 Electrical 1 (3 credits)
- Auto 132 Engine Performance 1 (3 credits)

**2nd-4th Fall or Spring Semesters:**
- Auto 221 Air Conditioning (3 credits) (Pre-req: Auto 131, 132, 231, 232)
- The following two classes are to be taken together
- Auto 381 Engine Perf 3 (3 credits) (Pre-req: Auto 131, 132, 231, 232)
- Auto 382 Engine Perf 4 (3 credits) (Pre-req: Auto 131, 132, 231, 232)
What is the “IBC”? 

The Integrated Business Core is a group of business classes that must be taken together and is required for a B.S. degree in Automotive Technology with an emphasis in Business Management. While taking these classes, you will be a part of a group that starts and operates a small business here on campus. Some things you should know about the IBC are:

- Go to the business department website for more information about registering.
- The four IBC courses are: B 302, 322, 342 & 362
- The IBC is a bit intense, so plan to only take one other 2-3 credit course during this semester (to ensure that you are enrolled for at least 14 credits)
- The prerequisites for the IBC are: FDMAT 221, CIT 140, ACCT 180, and ECON 150.
Internships can be done “on” or “off-track.” In order to begin an internship, you should find a job that would fit the description of an internship. Internships are usually found in the same way that any job is found—by applying and handing out resumes. You to complete **two** internships:

**Auto 298**—Hands-on experience, working as a technician or apprentice in an automobile repair business (dealership or independent shop). Contact Brother Dye for specifics or to sign up for this internship.

**Auto 398**—A professional experience working in the area of the industry you would like to make your career in. This may be paid or unpaid, but will likely be out of state. Contact Brother Spratling for specifics or to sign up for this internship.
The *Academic Discovery Center* in the Manwaring Center rm 129, offers coaching in relation to:

- **JOB INTERVIEWING**
- **RESUME WRITING**
- **JOB SEARCH TOOLS**

They can usually help by providing practice job interviews, critiquing of your resume, and much more. For more information,

click on:  
[HTTP://WWW.BYUI.EDU/CAREERSERVICES](HTTP://WWW.BYUI.EDU/CAREERSERVICES)

or call:  
(208) 496-9800
ASE Certification

One of the best credentials you can earn that will help you get a job in the automotive industry is ASE certification. All automotive students are encouraged to become ASE Certified. To become certified, you must pass one or more exams and have at least two years of full-time experience as a technician.

Once you have taken an automotive class, you should be prepared to take and pass the associated ASE exam. The tests are offered twice a year. The tests can be taken before the two years of experience have been completed. Go to ASE.com to register or learn more.

Tests are offered for certification in the following areas. If you become certified in the first eight areas (A1-A8), you are considered a “Certified Master Technician.”

- A1 – Engine Repair
- A2 – Automatic Transmissions
- A3 – Manual Drive Trains and Axles
- A4 – Suspension and Steering
- A5 – Brakes
- A6 – Electrical /Electronic Systems
- A7 – Heating and Air Conditioning
- A8 – Engine Performance
- A9 – Light Vehicle Diesel Engines
- L1 – Advanced Engine Performance
School Report 2009 - 2010
- 51 tests taken
- 46 tests passed

School Report 2010 - 2011
- 32 tests taken
- 31 tests passed

Those passing the NA3SA tests received a percentile score of 85 or better when compared against all other students in the nation who have taken these exams.
Don’t Miss this!

Please read all department emails that come to your BYU-I email account. These emails may include:

- Changes in course schedules/assignments/tests
- Potential employers visiting campus
- Career Fair dates
- Internship / job opportunities
- ASA (Automotive Student Association) activities
- Socials = Food
Employers in the automotive industry are looking for more than just a college graduate. Here are some of the things that will make you attractive to an employer:

* ASE certification
* Technical experience – the more the better
* Communication skills – verbal, written, & computer
* Team oriented (try to understand the business and work with others to accomplish goals)
* Dependability (be punctual, finish things and finish them well)
* A degree = AAS or BS
* Skills that set you apart from others in the industry. Seek to gain all the understanding you can in areas that many people in our industry are weak in. These are: **Electricity**, **Automatic transmissions**, **Engine Performance**, and **Diesels**.
Scholarships and Grants

Scholarships and Grants that are intended to help students financially with tuition, books, housing, tools, or other educational expenses. Scholarship options include:

- **Academic scholarships** – based on GPA – see next slide for details
- **Special scholarships** – available to students who meet certain criteria. Apply for these by going to the [automotive program home page](#) and by clicking on the “financial” box, then on “scholarships”
- **Industry scholarships** – sponsored by business in the automotive industry - links to many of these are also found by clicking on the “financial” box
- **Grants** – based on financial need – fill out the FAFSA form (click on “grants”); you may want to mention the cost of your tools on this form when you fill it out
- **ASE scholarships** – from the automotive program – students can earn $50 for each ASE test they pass (up to $450 total) – to receive this scholarship, take your passing test scores to the secretaries in Austin 106.

Apply for any scholarship or grant that you can; you never know what will happen!

- If you are receiving university scholarship money that equals full tuition amount, you cannot qualify for any more than that amount. This is university policy
- You must have a 3.0 GPA to qualify for any scholarship—this includes the ASE scholarship
- You must be taking at least 14 credits per semester to receive any scholarships
Here are the GPA requirements for academic scholarships:

<table>
<thead>
<tr>
<th>Year</th>
<th>Full</th>
<th>1/2</th>
<th>1/4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sophomore</td>
<td>3.9</td>
<td>3.8</td>
<td>3.7</td>
</tr>
<tr>
<td>Junior</td>
<td>3.85</td>
<td>3.75</td>
<td>3.65</td>
</tr>
<tr>
<td>Senior</td>
<td>3.8</td>
<td>3.7</td>
<td>3.6</td>
</tr>
</tbody>
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- This applies after 30 credits have been earned
- This money automatically shows up in your BYU-Idaho account; no paper work is needed
The ASA is a student-run organization that plans events for all automotive students including:

- Open lab nights
- Service / vehicle inspection nights
- Socials / dinners
- Hikes, major fair, I-night, etc.
- SkillsUSA

If you don’t plan to be a leader, you can still be involved. Dues are $5 per semester and should be paid to the secretaries in Austin 106.
SkillsUSA

Many automotive majors also become members of SkillsUSA and go to regional, state, and national competitions.

Benefits of competing in SkillsUSA include:

- It looks good on a resume – SkillsUSA is widely recognized
- You get to see other universities and colleges, and to network with people in the industry
- You can win prizes
- It brings recognition to you and to our program
- It helps you to assess your skill level
- You gain confidence

BYU-I automotive students have a great track record at these competitions. We register for SkillsUSA each year in January and the competitions are between March and June. Talk to one of your instructors about preparing to go!
SEMA Trip

WE ARE PLANNING TO TRAVEL TO THE SEMA SHOW IN LAS VEGAS EACH NOVEMBER. THE ESTIMATED COST PER STUDENT IS ABOUT $300.00. HOWEVER, ONLY A LIMITED NUMBER OF STUDENTS CAN GO EACH YEAR, SO YOU MUST APPLY.

- Click here to apply to go to the SEMA show*
- Click here to learn more about the SEMA show

*Applicants will be selected based on GPA, ASA involvement, and number of credits completed, and instructor recommendation.
“...I have visited with Eakas (the company I will be working for) and they seem excited to have me start. I will start work the 2nd of July and will keep you informed. I wanted to send you a few of the resources I used in finding job openings. From what I can tell every state has a job search website, for example Arkansasjobs.com. I would just visit these sites and search for jobs with keywords like Automotive, and management. I had interviews with Goodyear, Bridgestone/firestone, and couple of big dealerships from searches. Monster.com, and Google/jobs also turn up lots of job openings for our degrees. I will be getting a company email and everything next week. So I'll be sure and send it to you. Thanks again. I'll talk to you soon.

Brad Shelton
I am not sure if you had received my message from about a week ago, but I found employment with Hatch Motor Co at their Ford Dealership as a service advisor. They sell many different types of vehicles and they even do motorsports sales and services and they are all over AZ, all there dealerships are LDS owned and run and they have many locations throughout the state of AZ. If anyone is interested in opportunities in AZ with Hatch Motor Co they should check out our web site at hatchmotorco.com. My boss was surprised and thrilled at the same time to learn that there is actually a degree in automotive management, and that there was something that actually educated students on how to do his job. So tell everyone that there is no reason to be discouraged because there is still a lot of opportunity out there.

Thanks again for all that you have done over the years to make the program what it is.

Have a great day.

Blake Driggs
Philosophy of learning: a thought to end on.

I. MASTERY OF AUTOMOTIVE TECHNOLOGY IS POSSIBLE FOR THOSE WHO TAKE RESPONSIBILITY OF THEIR LEARNING.

- LEARNING IS AN ACTIVE PROCESS ON THE PART OF THE LEARNER
- WHEN LEARNING IS BASED ON FAITH IN CHRIST, CONTENT CAN BE UNDERSTOOD AND MASTERED.

II. THERE ARE TIMES THAT WE MUST WORK ALONE AND TIMES THAT WE NEED TO WORK WITH OTHERS.