

BUSINESS AND INDUSTRY

EXPLORE YOUR FUTURE WITH THE FOUNDATION HIGH SCHOOL PROGRAM

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**CAN YOU
IMAGINE
YOUR FACE
HERE?**

FIGURING OUT what you want to do when you grow up is a challenge, but boy is it worth it! With the Foundation High School Program's endorsement options, you have the opportunity to explore classes and fields of study that interest you TODAY so you can find your dream job TOMORROW. In many of these courses, you will even get to experience what it's like to work in the jobs that interest you.

Remember: YOU HAVE OPTIONS, probably more than you have ever considered. If you want to work for someone else, or help operate a large corporation, you can become a Budget Analyst, or a Human Resources Manager, and someday maybe even a Chief Executive Officer. If you want to run your own businesses, you might pursue a career as a Real Estate Agent, Private Chef or Baker, or a Landscaping Architect, for example.

So go exploring! Research your endorsement and career interest options before deciding which paths to pursue. The decisions you make about your education today will affect how well you enjoy your job in the future, how much money you earn, your future lifestyle, and so much more. So think it through, plan your future, and have fun!

CONSTRUCTION MANAGER

Jobs projected in Texas by 2022:
74,370

You will need: a Bachelor's degree

Typical starting pay is:
\$51,454 a year

Typical overall pay is:
\$86,187 a year

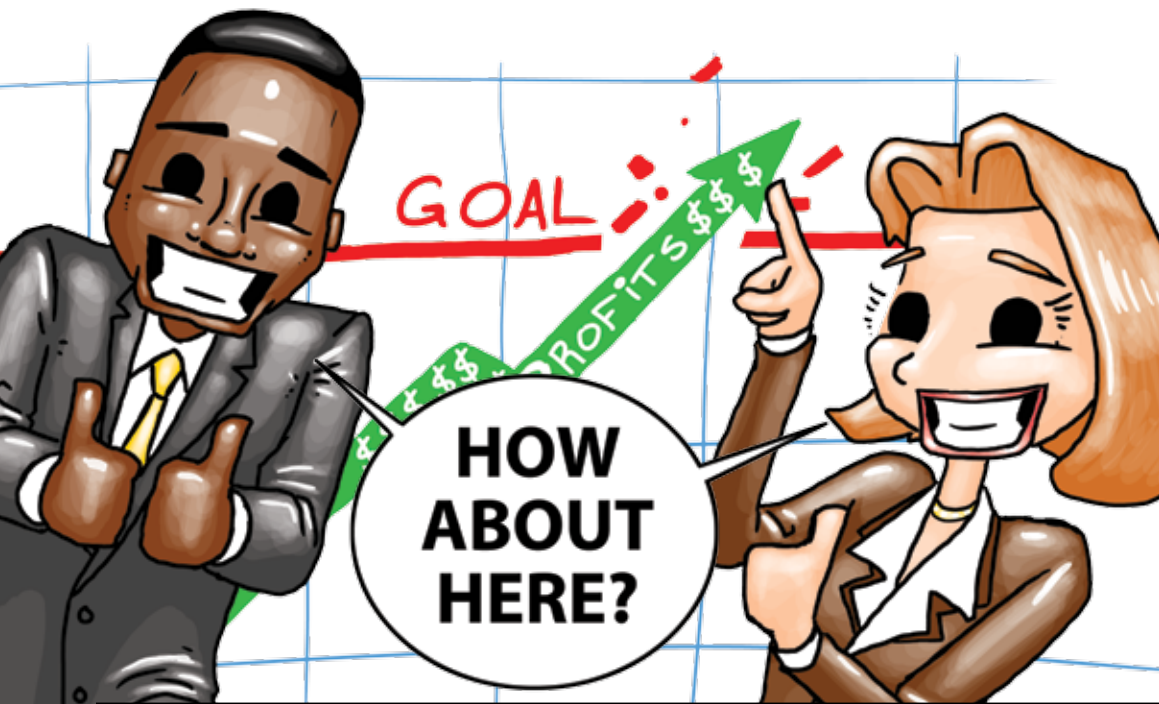
Turnover: Very Low

WHAT IS THE FOUNDATION HIGH SCHOOL PROGRAM??

The **Foundation High School Program** is a detailed plan of 22 credits that you and all your classmates will have to earn in order to graduate from high school. See page 4 for details.

An **endorsement** is something you can add to your high school diploma to show your knowledge and/or skills gained in one of five broad subject matter areas: STEM, Arts and Humanities, Business and Industry, Public Services, and Multidisciplinary Studies. To get an endorsement, you must complete a logical sequence of specific courses approved by your district.

If you have questions about which endorsement would be best for you, talk to your school Counselor!



**FINANCIAL
MANAGER**

*Jobs projected in Texas
by 2022: 36,030*

*You will need:
a Bachelor's Degree or
higher*

*Typical starting pay is:
\$75,490 a year*

*Typical overall pay is:
\$134,587 a year*

Turnover: Very Low

So ... you think you might want to select the Business and Industry Foundation High School Program endorsement option? Awesome! Browse through some of the data for job titles found under the Business & Industry endorsement in this booklet to help you decide if this is the right educational and career path for you. For more information on jobs in this career field, you can:

1. Call our **24-hour Hotline at 1-800-822-PLAN (7526)**
2. Go to the Texas CARES website and search the World of Work at www.TEXASCARESONLINE.com
3. Visit the LMCI website to see what available products may best serve your needs: www.LMCI.STATE.TX.US

We hope that by learning all you can about potential careers in the fields that interest you, you will be empowered to find a career that you love, and that also pays for you to live the way you want once you are living on your own. So enjoy this booklet, explore some options, and don't hesitate to talk to your parents, family, friends, teachers, counselors, and us at the Texas Workforce Commission if you have questions about your career goals.

**Business and Industry occupations can be found in all of the following
Achieve Texas career clusters.**



Sample Business and Industry Occupations by Emphasis

Architecture & Construction Career Cluster

Architects	Construction Managers	Structural Iron & Steel Workers
Brickmasons	Drafters	Landscape Architects
Interior Designers	Electricians	Construction and Maintenance Painters
Carpenters	Extractions Workers	Pipelayers
Civil Engineers	Glaziers	Riggers

Agriculture, Food & Natural Resources Career Cluster

Agricultural Inspectors	Derrick Operators	Environmental Engineering Technicians
Agricultural Science Teachers	Fish & Game Wardens	Pest Control Workers
Animal Breeders	Log Graders and Scalers	Petroleum Technicians
Animal Scientists	Mining Machine Operators	Pump Operators
Cartographers	Natural Science Managers	Soil & Plant Scientists

Business Management & Administration and Finance Career Clusters

Accountants and Auditors	Business Teachers	Human Resources Managers
Actuaries	Chief Executives	Insurance Underwriters
Bill and Account Collectors	Claims Adjusters	Labor Relations Specialists
Bookkeeping Clerks	Executive Assistants	Medical and Health Service Managers
Brokerage Clerks	Financial Analyst	Payroll and Timekeeping Clerks

Hospitality & Tourism and Information Technology Career Clusters

Web Developers	Concierges	Museum Technicians
Bakers	Database Administrators	Parking Lot Attendants
Cashiers	Food Service Managers	Set & Exhibit Designers
Chefs and Head Cooks	Hotel Desk Clerks	Tour Guides and Escorts
Computer Programmers	Event Planners	Computer Network Architects

Manufacturing and Transportation, Distribution, & Logistics Career Clusters

Air Traffic Controllers	Bus Drivers	Fiberglass Laminators
Aircraft Mechanics	Cabinetmakers	Machinists
Auto Body Repairers	Chemical Plant Operators	Model Makers, Plastic/Metal
Avionics Technicians	Dispatchers	Semiconductor Processors
Boilermakers	Etchers & Engravers	Welders

Keep in Mind

The career titles listed above are just a fraction of the possible occupation opportunities available within this endorsement area, so be sure to visit TWC's AutoCoder website to find other job titles that may interest you: <http://autocoder.lmci.state.tx.us>.

- Just enter a job title or a description in the appropriate search box, and you will get a list of the most common title matches.
- Click on the title that best matches the job that interests you, and a catalog of other, closely-related (or interchangeable) job titles will appear.

Your FOUNDATION Graduation Requirements

Here's what every Texas student needs to graduate under the Foundation High School Program. Remember that your school district has the authority to establish requirements in addition to the state minimums for graduation. Check with your school Counselor for more information.

<u>FOUNDATION HIGH SCHOOL PROGRAM</u>		Distinguished Level	Performance Acknowledgments
Subject	Standard Credits Needed	Credits Needed	
English <ul style="list-style-type: none"> • English I, II, and III • Advanced English Course 	4	4	Students can earn one or more Performance Acknowledgments, in addition to any graduation program they follow, for any of the areas listed below. (Please talk to your school Counselor for specific guidelines for each category.) <ul style="list-style-type: none"> • Dual Credit course • Advanced Placement or International Baccalaureate exam performance. • Bilingualism and biliteracy • Earning a nationally or internationally recognized business or industry certification or license • PSAT, ACT-PLAN, SAT, or ACT score
Mathematics <ul style="list-style-type: none"> • Algebra I • Geometry • Advanced Math Course 	3	4 All Foundation Program requirements, plus Algebra II	
Science <ul style="list-style-type: none"> • Biology • IPC or advanced science course • Advanced science course 	3	4 All Foundation Program requirements, plus an advanced science class based on endorsement selection	
Social Studies <ul style="list-style-type: none"> • U.S. History • U.S. Government (1/2 credit) • Economics (1/2 credit) • World History or Geography 	3	3	
Physical Education	1	1	
Languages other than English <ul style="list-style-type: none"> • Two credits in the same language • Two credits from Computers Science I, II, and III 	2	2	
Fine Arts	1	1	
Electives Classes available for electives will be based upon the endorsement options selected by the student.	5	7	
Speech Demonstrated proficiency	0	0	
Total Credits		22	26

Your Business and Industry Endorsement Options

Students interested in earning the **Business & Industry** endorsement have several options. You will need to successfully complete **Algebra II, Chemistry, and Physics**, and choose one of four options to earn your remaining **Business & Industry** endorsement credits. You can:

1. Complete consecutive levels [For example: **Principles of Business, Marketing and Finance** followed by **Business Management** or **Culinary Arts I** followed by **Culinary Arts II**] of four or more CTE (Career Technical Education) courses with the first two of them being from the same career cluster.
 - a. The third CTE credit must be from an advanced course
 - b. The fourth CTE credit must come from a class in one of the following career clusters:
 - **Agriculture, Food, & Natural Resources**
 - **Architecture & Construction**
 - **Arts, Audio/Video Technology, & Communications**
 - **Business Management & Administration**
 - **Transportation, Distribution, & Logistics**
 - **Marketing**
 - **Information Technology**
 - **Manufacturing**
 - **Hospitality & Tourism**
 - **Finance**
2. Complete four English elective credits by selecting three levels from one of the following areas:
 - a. **Advanced Broadcast Journalism**
 - b. **Advanced Journalism: Newspaper**
 - c. **Advanced Journalism: Yearbook**
 - d. **Public Speaking**
 - e. **Debate**
3. Complete four technology application courses from the following options:
 - a. **Digital Design and Media Production**
 - b. **Digital Art and Animation**
 - c. **3-D Modeling and Animation**
 - d. **Digital Communications in the 21st Century**
 - e. **Digital Video and Audio Design**
 - f. **Web Communications**
 - g. **Web Design**
 - h. **Web Game Development**
 - i. **Independent Study in Evolving/Emerging Technologies**
4. Complete four classes in consecutive levels from options 1 - 3.



PLUMBERS

Jobs projected in Texas by 2022:
40,860

You will need: On-the-job training and/or formal classroom instruction

Typical starting pay is:
\$28,451 a year

Typical overall pay is:
\$44,691 a year

Turnover: Very Low

CHIEF EXECUTIVES

Jobs projected in Texas by 2022: 11,660

You will need:

a Bachelor's degree or higher, plus experience

Typical starting pay is:

\$91,916 a year

Typical overall pay is:

\$189,976 a year

Turnover: Low



COSMETOLOGIST

Jobs projected in Texas by 2022: 41,770

You will need:

Post-secondary vocational training

Typical starting pay is:

\$16,813 a year

Typical overall pay is:

\$27,769 a year

Turnover: Low



**ANYWHERE
HERE?**

AIR TRAFFIC

CONTROLLER

Jobs projected in Texas by 2022:
2,780

You will need: Long term on-the-job-training, including formal and informal apprenticeships

Typical starting pay is:

\$82,542 a year

Typical overall pay is:

\$128,159 a year

Turnover: Average



The Real Deal

Using Labor Market Statistics to Filter through Career Options

It is important to think about how much money you'll earn in any given occupation. But you should consider many other labor market statistics to help you make informed choices.

Check out the information and numbers below for a few jobs in the Business and Industry fields to see other important statistics you can discover on the Texas CARES website. Use this information to help you determine what's important to you in a career.

Automotive Service Technicians and Mechanics

You will: Diagnose, adjust, repair, or overhaul automotive vehicles.

- Formal automotive technician training is the best preparation.
- Automotive service technicians and mechanics must continually adapt to changing technology and repair techniques.

Projected state employment for 2022	60,680
Education needed:	Post-Secondary Training plus Credentials
Annual Wage:	\$39,217
Turnover:	Low

Administrative Assistants

You will: Perform routine clerical and administrative functions such as drafting correspondence, scheduling appointments, organizing and maintaining paper and electronic files, or providing information to callers.

- Opportunities should be best for applicants with extensive knowledge of computer software applications.

Projected state employment for 2022	230,220
Education needed:	High School Diploma plus Training
Annual Wage:	\$31,816
Turnover:	Very Low

Pastry Chef/ Bakers

You will: Mix and bake ingredients to produce breads, rolls, cookies, cakes, pies, pastries, or other baked goods.

- Most workers in manual food processing jobs require little or no training prior to being hired. Excellent communications skills, curiosity, and attention to detail are highly desired traits.
- Highly skilled bakers should be in demand.

Projected state employment for 2022	14,210
Education needed:	Long Term on-the-job Training
Annual Wage:	\$22,661
Turnover:	Low

WELDER

Jobs projected in Texas by 2022: 57,610

You will need:

Post-Secondary Vocational Training

Typical starting pay is:

\$26,700 a year

Typical overall pay is:

\$40,895 a year

Turnover: Low

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WANT INFORMATION ON MORE JOBS?

Check out

www.TEXASCARESONLINE.com

to learn about hundreds
more BUSINESS & INDUSTRY
careers!

EXPLORE YOUR FUTURE!



TEXAS WORKFORCE COMMISSION
Labor Market and Career Information

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www.texasrealitycheck.com

www.texasworkforce.org

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Equal Opportunity Employer/Program. Auxiliary aids and services are available upon request to individuals with disabilities. Relay Texas: 800-735-2989 (TTY) and 711 (Voice).

