Business and Industry

Explore Your Future with the Foundation High School Program

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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!

Can You Imagine Yourself in this Job?

Construction Manager

Jobs projected in Texas by 2024: 45,030

You will need: a Bachelor’s degree

Typical starting pay is: $54,431 a year

Typical average pay is: $93,609 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 an option 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!***

Can You Imagine Yourself in This Job?

Financial Manager

Jobs projected in Texas by 2024: 31,970

You will need: a Bachelor’s degree or higher

Typical starting pay is: $80,673 a year

Typical average pay is: $145,202 a year

Turnover: Very Low

## Resources

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 and 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 Texas Career Check and click “Explore Careers” at [www.texascareercheck.com](http://www.texascareercheck.com)
3. Visit the LMCI website to see what available products may best serve your needs: [www.texasworkforce.org/labormarket](http://www.texasworkforce.org/labormarket)

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.

## Career Clusters

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

* Agriculture, Food, and Natural Resources
* Architecture and Construction
* Arts, A/V Technology, and Communications
* Business Management and Administration
* Finance
* Government and Public Administration
* Hospitality and Tourism
* Information Technology
* Manufacturing
* Marketing
* Transportation, Distribution, and Logistics

# Sample Business and Industry Occupations by Emphasis

Below are sample occupations under the Business and Industry endorsement. Not all Business and Industry-related occupations are included here (there are hundreds), and some of those listed below may fall under other endorsements as well. Talk to your school Counselor for more information.

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

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

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

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

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

## 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 High School Program Graduation Requirements

This table shows what every Texas student needs to graduate. Every student must earn the 22 credits under the “Foundation-Only” column. Your parents or guardians will need to give the school district written permission to allow you not to earn an endorsement. Otherwise you must pick an endorsement and earn 26 credits to graduate. Remember that your school district has the authority to establish requirements in addition to those listed here. Check with your school Counselor for more information.

| **Subjects and courses required for Foundation-Only Credits** | **Foundation-Only Credits** | **Foundation + Endorsement Credits** | **Distinguished Level Credits** |
| --- | --- | --- | --- |
| **English*** English I, II and III
* Advanced English course
 | 4 | 4 | 4 |
| **Mathematics*** Algebra I
* Geometry
* Advanced Math course
 | 3 | 4 – All Foundation requirements, plus additional advanced Math course | 4 – All Foundation requirements, plus Algebra II specifically |
| **Science*** Biology
* Integrated Physics and Chemistry
* Advanced Science course
 | 3 | 4 – All Foundation requirements, plus additional advanced Science course | 4 – All Foundation requirements, plus additional advanced Science course |
| **Social Studies*** U.S. History
* U.S. Government (1/2 credit)
* Economics (1/2 credit)
* World History or Geography
 | 3 | 3 | 3 |
| **Physical Education** | 1 | 1 | 1 |
| **Languages Other Than English*** Two credits in the same language
* OR Two credits from Computer Science I, II, and III
 | 2 | 2 | 2 |
| **Fine Arts** | 1 | 1 | 1 |
| **Electives*** Classes available for electives will be based upon the endorsement options selected by the student.
 | 5 | 7 | 7 |
| **Speech*** Demonstrated proficiency
 | 0 | 0 | 0 |
| **Total Credits** | **22** | **26** | **26** |

Students can earn one or more **Performance Acknowledgments**, in addition to any graduation program they follow, for any of the following areas: 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. Talk to your school Counselor for specific guidelines.

# Your Business and Industry Endorsement Options

Students interested in earning the Business and Industry endorsement have several options. Once you’ve met your Foundation graduation requirements, you will need to successfully complete additional advanced courses in math and science (one each), plus electives, and choose **one** of the four options below to earn your remaining Business and Industry endorsement credits.

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.
	1. The third CTE credit must be from an advanced course
	2. 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:
	1. Advanced Broadcast Journalism
	2. Advanced Journalism: Newspaper
	3. Advanced Journalism: Yearbook
	4. Public Speaking
	5. Debate
3. Complete four technology application courses from the following options:
	1. Digital Design and Media Production
	2. Digital Art and Animation
	3. 3-D Modeling and Animation
	4. Digital Communications in the 21st Century
	5. Digital Video and Audio Design
	6. Web Communications
	7. Web Design
	8. Web Game Development
	9. Independent Study in Evolving/Emerging Technologies
4. Complete four classes in consecutive levels from options 1 - 3.

Can You Imagine Yourself in These Jobs?

Plumber

Jobs projected in Texas by 2024: 46,930

You will need: High School diploma or equivalent, plus apprenticeship

Typical starting pay is: $29,180 a year

Typical average pay is: $45,634 a year

Turnover: Very Low

Chief Executives

Jobs projected in Texas by 2024: 10,120

You will need: a Bachelor’s degree or higher, plus experience

Typical starting pay is: $101,986 a year

Typical average pay is: $203,203 a year

Turnover: Low

Cosmetologist

Jobs projected in Texas by 2024: 45,880

You will need: Post-secondary vocational training

Typical starting pay is: $17,016 a year

Typical average pay is: $26,810 a year

Turnover: Low

Air Traffic Controller

Jobs projected in Texas by 2024: 2,230

You will need: An Associate degree, plus long-term on-the-job training

Typical starting pay is: $77,398 a year

Typical average pay is: $125,825 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 Career Check 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 Texas employment for 2024: 61,120

Education needed: Post-secondary training plus credentials

2015 Average Annual Wage: $41,444

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 Texas employment for 2024: 220,870

Education needed: High School Diploma plus Training

2015 Average Annual Wage: $32,784

Turnover: Very Low

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 Texas employment for 2024: 15,170

Education needed: Long-term on-the-job training

2015 Average Annual Wage: $23,802

Turnover: Low

Can You Imagine Yourself in this Job?

Welders

Jobs projected in Texas by 2024: 63,820

You will need: Post-Secondary Vocational Training

Typical starting pay is: $28,494 a year

Typical average pay is: $43,582 a year

Turnover: Low

Want more information on jobs? Check out [www.TexasCareerCheck.com](http://www.TexasCareerCheck.com)
to learn about hundreds more Business and Industry careers!

Explore Your Future!

# Texas Workforce Commission

Labor Market and Career Information

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[www.texasrealitycheck.com](http://www.texasrealitycheck.com)

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email: lmci@twc.state.tx.us

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).