

# MULTI-DISCIPLINARY

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. With the Multi-Disciplinary endorsement you can explore more than one career or academic pathway, so your options remain more flexible. Many occupations require you to build knowledge from more than one endorsement. For example, Nurses are classified primarily under the Public Service endorsement, but also have a strong Science, Technology, Engineering and Math (STEM) component. Other multi-disciplinary occupations include Historians, Animal Scientists, Biomedical Engineers and more.

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!

## COMPUTER PROGRAMMER

*Jobs projected in Texas by 2022:*  
24,690

*You will need:* a Bachelor's degree plus work experience

*Typical starting pay is:*  
\$47,229 a year

*Typical overall pay is:*  
\$80,814 a year

*Turnover:* 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!***



**REAL ESTATE**

**APPRAISER**

*Jobs projected in Texas by 2022: 8,090*

*You will need: an Associate degree*

*Typical starting pay is: \$35,132 a year*

*Typical overall pay is: \$62,931 a year*

*Turnover: Very Low*

**WHAT ABOUT HERE?**

So ... you think you might want to select the Multi-Disciplinary Studies Foundation High School Program endorsement option? Awesome! Browse through some of the data for job titles found under the Multi-Disciplinary Studies 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](http://www.TEXASCARESONLINE.com)
3. Visit the LMCI website to see what available products may best serve your needs: [www.LMCI.STATE.TX.US](http://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.

**Multi-Disciplinary occupations can be found in all of the following Achieve Texas career clusters.**



## *Sample Multi-Disciplinary Occupations*

Accountants & Auditors	Actors	Aerospace Engineering & Operations Techs
Athletic Agents & Managers	Anesthesiologists	Agricultural & Food Science Technicians
Architectural & Civil Drafters	Biomedical Engineers	Audio-Visual & Multimedia Collection Specialists
Budget Analysts	Chiropractors	Cardiovascular Technologists & Technicians
Choreographers	Clergy	Computer & Information Research Scientists
Commercial Pilots	Computer Programmers	Dental Laboratory Technicians
Desktop Publishers	Economists	Diagnostic Medical Sonographers
Environmental Engineers	Epidemiologists	Emergency Management Directors
Fashion Designers	Forensic Science Technicians	Gaming & Sports Book Writers & Runners
Genetic Counselors	Health Educators	Healthcare Practitioners & Technical Workers
Information Security Analysts	Interpreters & Translators	Jewelers & Precious Stone & Metal Workers
Legal Secretaries	Library Technicians	Licensed Practical & Licensed Vocational Nurses
Makeup Artists	Marriage & Family Therapists	Medical & Clinical Laboratory Technologists
Medical Transcriptionists	Multimedia Artists & Animators	Network & Computer Systems Administrators
Nursing Assistants	Nuclear Medicine Technologists	Office & Administrative Support Workers
Optometrists	Pharmacy Technicians	Personal Financial Advisors
Photographers	Producers	Proofreaders and Copy Markers
Physical Therapists	Paralegals & Legal Assistants	Postsecondary Educators (in various specialties)
Psychiatrists	Radiation Therapists	Respiratory Therapy Technicians
Surveyors	Skincare Specialists	Speech-Language Pathologists
Surgeons	Statistical Assistants	Tailors, Dressmakers, & Custom Sewers
Technical Writers	Veterinarians	Tax Examiners, Collectors, & Revenue Agents
Woodworkers	Web Developers	Zoologists & Wildlife Biologists

### ***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.

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



## Your Multi-Disciplinary Studies Endorsement Options

Students interested in earning the **Multi-Disciplinary Studies** endorsement have several options. You will need to successfully complete **Algebra II, Chemistry, and Physics**, and choose one of three options to earn your remaining **Multi-Disciplinary** endorsement credits. You can:

1. Complete four advanced courses that prepare a student to enter the workforce successfully.
  - a. These can be dual-credit classes taken on college campuses (as long as the course is not a remedial/developmental level class)
  - b. These four classes can be within one endorsement area or several endorsement areas.
2. Complete four credits in each of the four foundation high school subject areas. Must include:
  - a. **English IV**
  - b. **Chemistry**
  - c. **Physics**
3. Complete four credits in AP (Advanced Placement), IB (International Baccalaureate), or Dual-Credit in the following areas:
  - a. **English**
  - b. **Mathematics**
  - c. **Science**
  - d. **Social Studies**
  - e. **Economics**
  - f. **Languages other than English**
  - g. **Fine Arts**

### **TECHNICAL WRITER**

*Jobs projected in Texas by 2022: 4,520*

*You will need: a Bachelor's degree*

*Typical starting pay is: \$46,250 a year*

*Typical overall pay is: \$70,009 a year*

*Turnover: Average*

**WHAT  
ABOUT  
HERE?**



**COMPUTER &  
INFORMATION  
SYSTEMS MANAGER**

*Jobs projected in Texas by  
2022: 22,100*

*You will need: a Bachelor's  
degree plus work experience*

*Typical starting pay is:  
\$91,462 a year*

*Typical overall pay is:  
\$138,723 a year*

*Turnover: Very Low*



**COMPANY-WIDE  
I.T. CODING  
PROJECT  
TIMELINE**



**ANYWHERE  
HERE?**



**CLINICAL, COUNSELING, &  
SCHOOL PSYCHOLOGISTS**

*Jobs projected in Texas by 2022:  
8,810*

*You will need:  
Masters degree or higher*

*Typical starting pay is:  
\$39,311 a year*

*Typical overall pay is:  
\$61,582 a year*

*Turnover: Low*

# 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 Multi-Disciplinary Studies 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.

### **Cardiovascular Technologists and Technicians**

You will: Conduct tests on pulmonary or cardiovascular systems of patients for diagnostic purposes. May conduct or assist in electrocardiograms, cardiac catheterizations, pulmonary functions, lung capacity, and similar tests.

- About 77 percent of jobs are in hospitals.
- Workers typically need a 2-year associate degree at a junior or community college; most employers also require a professional credential.
- Technologists and technicians with multiple professional credentials, trained to perform a wide range of procedures, will have the best prospects.

Projected state employment for 2022	5,700
Education needed:	Associate Degree or higher
Annual Wage:	\$54,583
Turnover:	Very Low

### **Surveyors**

You will: Make exact measurements and determine property boundaries. Provide data relevant to the shape, contour, gravitation, location, elevation, or dimension of land or land features on or near the earth's surface for engineering, mapmaking, mining, land evaluation, construction, and other purposes.

- About 7 out of 10 jobs were in architectural, engineering, and related services. Depending on specialization, may require as little as an Associate degree or as advanced as a Master's.
- Surveyors who have a Bachelor's degree and strong technical skills should have favorable job prospects.

Projected state employment for 2022	5,830
Education needed:	Bachelor's Degree
Annual Wage:	\$58,115
Turnover:	Low

### **Web Developers**

You will: Design, create, and modify Web sites. Analyze user needs to implement Web site content, graphics, performance, and capacity. May integrate Web sites with other computer applications. May convert written, graphic, audio, and video components to compatible Web formats by using software designed to facilitate the creation of Web and multimedia content.

- Excellent job prospects are expected.
- Workers can enter this field with many different levels of formal education, but relevant computer skills are always needed.

Projected state employment for 2022	13,080
Education needed:	Associate Degree or higher
Annual Wage:	\$66,997
Turnover:	Very Low



**WANT INFORMATION ON  
MORE JOBS?**

Check out  
[www.TEXASCARESONLINE.com](http://www.TEXASCARESONLINE.com)  
to learn about hundreds  
more MULTI-DISCIPLINARY  
careers!

**EXPLORE YOUR FUTURE!**

**JEWELER**

*Jobs projected in Texas by 2022: 3,390*

*You will need:* Post-secondary vocational  
training

*Typical starting pay is:* \$23,468 a year

*Typical overall pay is:* \$41,830 a year

*Turnover:* Low



TEXAS WORKFORCE COMMISSION  
Labor Market and Career Information  
101 E. 15th St., Room 0252  
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866-938-4444 toll free  
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[www.texasrealitycheck.com](http://www.texasrealitycheck.com)  
[www.texasworkforce.org](http://www.texasworkforce.org)  
email: [lmci@twc.state.tx.us](mailto: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).

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