

A World of Opportunities:

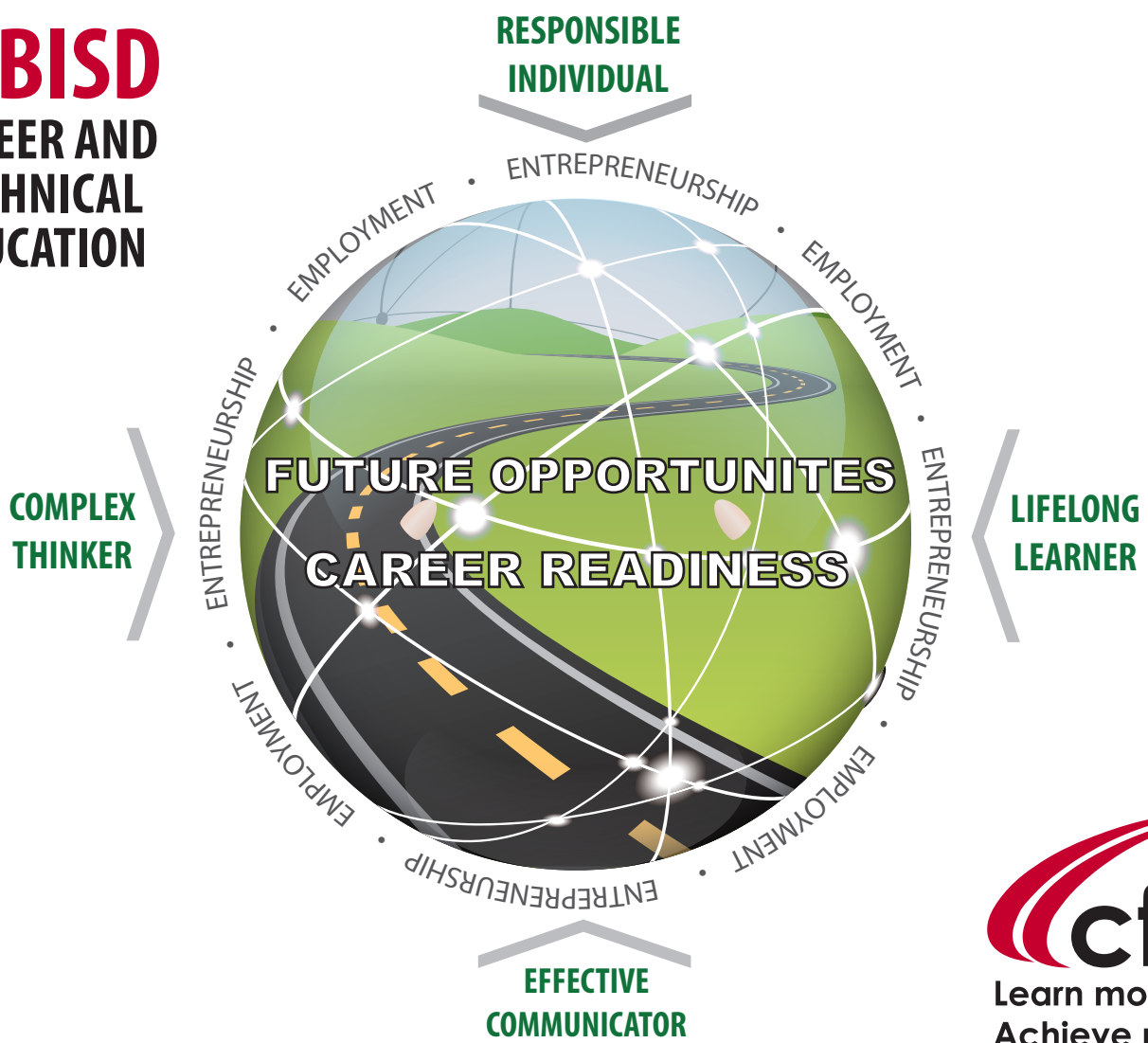
Explore your Future



Carrollton-Farmers Branch ISD
Career and Technical Education
Graduation Guide

CFBISD

CAREER AND TECHNICAL EDUCATION



District Leadership:

Dr. Bobby Burns-Superintendent
Mr. Mark Hyatt-Associate Superintendent
Georgeanne Warnock-Associate Superintendent
Michelle Bailey - Assistant Superintendent for Secondary Schools
Tracy Smith - Assistant Superintendent for Elementary Schools
Jo Gillen- Executive Director for CTE/Counseling/Nurses
James Goode-President of Board of Trustees
Nancy Cline-Member of Board of Trustees
John Mathews-Member of Board of Trustees
Richard Fleming-Assistant Secretary of Board of Trustees
Randy Schackmann-Member of Board of Trustees
Frank Shor-Vice President of Board of Trustees
Nancy Watten-Secretary of Board of Trustees

CFBISD Mission Statement

Together with families and community we commit all district resources to guide the learning of each student to graduate as:

- A responsible individual
- A passionate life-long learner
- A complex thinker
- An effective communicator who understands and respects our global interdependence.

Career and Technical Education Mission Statement

The mission of Carrollton-Farmers Branch ISD Career and Technical Education (CTE) is to equally prepare all students the opportunity to succeed in today's competitive global economy. CTE complements and enhances academic preparation by providing all students with the opportunities to integrate academics and technical education in a rigorous, relevant Programs of Study that give them the tools for a lifetime of success.

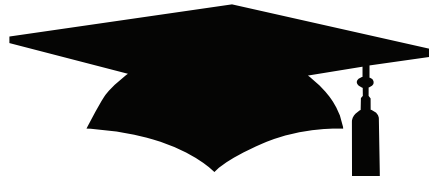
CHOOSE YOUR PLAN



FOUNDATION PLAN PLUS ENDORSEMENT(S)

4 CORE CLASSES
+
ENDORSEMENT ELECTIVES
=
26 CREDITS

OR



DISTINGUISHED LEVEL OF ACHIEVEMENT

FOUNDATION PLAN
+
4 CREDITS IN MATH INCLUDING ALGEBRA 2
+
4 CREDITS IN SCIENCE
+
AT LEAST 1 ENDORSEMENT

AND



PERFORMANCE ACKNOWLEDGEMENT

DUAL CREDIT COURSE

BILINGUALISM & BILITERACY

*PSAT, SAT OR ACT

AP OR IB

EARN NATIONALLY OR INTERNATIONALLY RECOGNIZED BUSINESS OR INDUSTRY CERTIFICATION

**Student must achieve specific scores and/or distinctions to qualify.*

ENDORSEMENT CHOICES



STEM	BUSINESS/INDUSTRY	PUBLIC SERVICES	ARTS/HUMANITIES	MULTIDISCIPLINARY STUDIES
<ul style="list-style-type: none"> Science, Technology, Engineering and Math (STEM) 	<ul style="list-style-type: none"> Agriculture, Food and Natural Resources Architecture and Construction Arts, A/V Technology and Communication Business, Management and Administration Finance Hospitality and Tourism Information Technology Manufacturing Marketing Transportation, Distribution and Logistics 	<ul style="list-style-type: none"> Education and Training Government and Public Administration Health Science Human Services Law, Public Safety, Corrections and Security 	<ul style="list-style-type: none"> Social Studies World Languages Fine Arts 	<ul style="list-style-type: none"> Allows a student to select courses from the curriculum of each endorsement area and earn credits in a variety of advanced courses from multiple content areas sufficient to complete this distinguished level of achievement.



Science, Technology, Engineering and Mathematics (STEM)

STEM



Concepts in Engineering

- Engineering Design and Presentation
- Robotics and Automation
- Engineering Design and Problem Solving



Employment Outlook

Career Cluster will vary depending upon specialty. Over the next decade, jobs aligned with advancing technology are predicted to boom as new career opportunities open. Individuals with college degrees and experience working with high-tech laboratory equipment have the most potential for success within this industry.



Ask Yourself

- *Do I enjoy science?*
- *Am I good at math?*
- *Do I enjoy building and fixing things?*
- *Do I want to find answers to questions?*
- *Would I enjoy working in a laboratory?*
- *Am I detail-oriented?*



Example Plan

BIM
+
Concepts of Engineering
+
Engineering Design & Presentation
+
Robotics & Automation
=
STEM Endorsement



Careers and Salary Range

Aerospace Engineer	\$64,290 - \$153,860
Chemical Engineer	\$64,710 - \$166,890
Environmental Engineer	\$76,340 - \$132,010
Biochemical Engineer	\$119,550 - \$170,990
Civil Engineer	\$91,080 - \$147,440



METSA - Math, Engineering, Technology and Science Academy

STEM

METSA's mission is to inspire a community of lifelong learners who meet or exceed state educational requirements and graduate prepared to pursue their postsecondary ambitions in math, science, technology or engineering.

By participating in projects, presentations, senior exhibitions and internships, graduating students complete a portfolio that demonstrates their mastery of the Texas Essential Knowledge and Skills, as well as 21st-century learning outcomes.

METSA's 21st-century learning outcomes:

- Active collaboration
- Content skills and knowledge
- Critical thinking/problem solving
- Presentation skills
- Research skills
- Social and cross-cultural skills
- Technology literacy
- Work ethic and effort
- Writing skills

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You and your child will have an opportunity to learn about these programs this fall at the middle school presentations, parent meetings, and student tours. Information about the programs and dates of these events can be found on the websites listed below or by contacting your middle school counselor.



College Ready • Career Ready • Life Ready

METSA Academy
 Facilitator: Jordan Rios
 R. L. Turner High School
 1600 S. Josey Lane
 Carrollton, Texas 75006
 (972) 968-5834





Agriculture



Concepts in Agriculture

- Small Animal Management
- Veterinary Medical Applications
- Advanced Animal Science
- Wildlife, Fisheries, & Ecology
- Agriculture Mechanics & Metal Technology
- Agriculture Facilities Design
- *Certifications: Vet Assistant Level I, Hunters Education Certification*



Employment Outlook

The agriculture industry is projected to remain steady over the next couple of years. The industry is expected to produce more because of the development of improved technologies. Careers that require workers with technical skills, such as technicians, operators and mechanics along with organic farmers will hold the best job prospects. Demand for produce from farmers' markets, community-supported agriculture and other locally-grown food producers is predicted to rise.



Ask Yourself

- *Do I enjoy Science*
- *Do I enjoy working with plants and animals?*
- *Am I interested in geology and mining?*
- *Am I passionate about protecting the environment?*
- *Do I have physical dexterity?*
- *Do I enjoy an outdoor work environment?*



Example Plan

BIM
 +
 Small Animal Management
 +
 Advanced Animal Science
 +
 Veterinary Medical Applications
 =
 Business & Industry Endorsement



Careers and Salary Range

Environmental Engineer	\$86,470 - \$115,290
Conservation Scientist	\$72,110 - \$112,430
Wildlife Biologist	\$66,660 - \$106,180
Farm Manager	\$33,840 - \$119,530
Farming and Forestry Worker	\$16,740 - \$45,360
Veterinarian	\$94,340 - \$136,290



Architecture & Construction

BUSINESS AND INDUSTRY



Concepts in Architecture & Construction

- Principles of Architecture & Construction
- Interior Design
- Architectural Design
- Construction Technology
- Advanced Construction Technology



Employment Outlook

This Career Cluster accounts for 13.8 million jobs and represents one of the largest industries in the nation. In the next few years, many new jobs will be added and employment opportunities will rise as experienced workers retire. Highly skilled workers who earn specializations and certificates of accreditation are in great demand as this field continues to advance and becomes more competitive.



Ask Yourself

- *Am I good at making designs or models?*
- *Can I visualize projects in my mind?*
- *Do I enjoy beautiful and historic buildings?*
- *Am I good with plans and blueprints?*
- *Am I good with my hands?*
- *Would I enjoy designing a park or garden?*



Example Plan

BIM
+
Principles of Architecture
+
Interior Design
+
Welding
+
Construction Technology
=
Business and Industry Endorsement



Careers and Salary Range

Architect	\$42,830 - \$127,270
Electrician	\$26,210 - \$63,140
Plumber	\$27,270 - \$67,380
Construction Supervisor	\$33,940 - \$91,620



Arts, A/V Technology & Communications



BUSINESS AND INDUSTRY



Concepts in Arts, A/V Technology & Communications

- Principles of Arts, Video Technology and Communication
- Graphic Design and Illustration
- Animation
- Fashion Design
- Professional Communications
- Adobe Certification*



Employment Outlook

This Career Cluster represents a rapidly growing industry. With a great deal of career opportunities forecasted, this is an excellent time to break into the field. While the industry is growing, it remains extremely competitive requiring highly skilled workers. Furthermore, communication skills are always key to businesses or organizations that strive to relay and execute their innovative ideas in this globally competitive market.



Ask Yourself

- *Am I interested in working in television, film, or radio?*
- *Does computer graphics or computer animation interest me?*
- *Do I like to work with technology?*
- *Do I have a talent for writing?*
- *Am I visually oriented?*
- *Is artistic expression important to you?*



Example Plan

BIM
+
Graphic Design
+
Animation
+
Audio Video Production
+
Advanced Graphics
=
Business & Industry Endorsement



Careers and Salary Range

Broadcast Technician	\$17,100 - \$62,040
Computer Animator	\$31,000 - \$77,370
Movie Producer	\$42,990- \$110,450
Music Producer	\$54,750 - \$97,250

AMAT - Academy of Media Arts & Technology



The Academy for Media Arts and Technology is an exploratory program for college bound student who are interested in one or more of the following Strands of study:

- Media Arts
- Video Production and Broadcasting
- Digital Graphic Arts
- Journalism

Our students are introduced to all strands during their freshman year. Beginning with the sophomore year, students generally take one class in a strand each year. During their senior year, AMAT students complete an internship and senior exhibition class as a capstone experience in the academy. All students who complete requirements graduate with a seal on their diploma, and wear academy regalia during the R. L. Turner graduation ceremony.

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BUSINESS AND INDUSTRY

ELLIOTT HARRISON @ AMAT

NFL NETWORK

Academy of Media Arts & Technology
Facilitator: Jack Degelia
R.L. Turner High School
1600 S. Josey Lane
Carrollton, TX 75006
972-968-5400



Business Management and Administration



Concepts in Business Management and Administration

- Principles of Business, Marketing & Finance
- Business Information Management (BIM)
- Business Management
- Human Resources Management
- Business Law
- Practicum in Business Management
- Problems and Solutions
- *Certifications Available: Microsoft Office Specialist*



Employment Outlook

This Career Cluster is projected to grow by 24 percent over the next decade. Industry and government are beginning to rely more on outside expertise to provide improvements for their organizations. As technology becomes more advanced and businesses begin to expand globally, international expertise will be a valuable skill for individuals in this field.



Ask Yourself

- *Am I good at working with numbers?*
- *Am I good at working with other people?*
- *Am I a natural leader?*
- *Am I entrepreneurial?*
- *Do I have a talent for organizing and planning?*
- *Am I precise, responsible, and creative?*



Example Plan

BIM
+
Graphic Design
+
Animation
+
Audio Video Production
+
Advanced Graphics
=
Business & Industry Endorsement



Careers and Salary Range

Human Resources Manager	\$65,450 - \$182,880
Auditor	\$38,960 - \$117,630
Employment Interviewer	\$31,920 - \$97,620
Budget Analyst	\$42,940 - \$98,850



IBA - International Business Academy

The International Business Academy (IBA) at Newman Smith HS, Carrollton-Farmers Branch ISD successfully accomplishes its mission of “giving students a foundation in marketing, economics, finance, language, and the cultural aspects of international business to become successful in their chosen area of business.”

IBA students are equipped to determine a more specific college major through a challenging curriculum, real world experiences of domestic and international travel, paid or unpaid internships in a field of their choice, and partnerships with business, industry and post-secondary education. Students are exposed to the vast field of careers associated with business, and are prepared to compete with peers entering post-secondary study, or an entrepreneurial challenge.

The goal for International Business Academy students is to provide 21st century knowledge and skills to compete with their peers domestically and internationally. Students can take courses for dual credit.

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BUSINESS AND INDUSTRY



Newman Smith High School

International Business Academy
Facilitator: Mrs. Kathy Holdge
Newman Smith High School
2335 North Josey Lane
Carrollton, TX 75006
972-968-5287



Finance



Concepts in Finance

- Banking and Financial Services
- Accounting I (Dual Credit)
- Accounting II
- Statistics and Risk Management



Employment Outlook

An increase in the number of retired baby boomers will continue to open employment opportunities in the banking industry. Banking still remains a very competitive industry, vying to obtain new customers every day. The demand is predicted to grow for “personal bankers” to help counsel and supervise assets of wealthy clients.



Ask Yourself

- *Do I enjoy working with numbers?*
- *Am I good at math?*
- *Are you interested in the stock market?*
- *Do I want to help people secure their financial futures?*
- *Do I enjoy working in a fast-paced environment?*
- *Do I feel confident handling other people’s money?*



Example Plan

Principles of Business,
Marketing & Finance
+

Accounting I

+

Banking & Financial Services

+

Problems & Solutions (TIP)

=

Business & Industry Endorsement



Careers and Salary Range

Financial Analyst	\$48,260 - \$147,190
Broker	\$58,690 – \$106,790
Loan Officer	\$34,140 - \$121,330
Accountant	\$71,040 - \$129,870



Concepts in Marketing

- Retailing and E-Tailing
- Fashion Marketing
- Sports & Entertainment Marketing
- Marketing Dynamics



Employment Outlook

Jobs within this Career Cluster are projected to grow about as fast as the national average. There will be a great deal of competition within the industry, especially for high-level positions. College graduates with relevant experience, strong creativity and solid communication skills will have the best job opportunities.



Ask Yourself

- *Do I love shopping?*
- *Is the mall my favorite place to hang out?*
- *Can I see myself as a salesperson?*
- *Would I like to run my own business?*
- *Would I enjoy creating advertisements or public relations campaigns?*
- *Am I detail oriented?*



Example Plan

BIM
 +
 Retailing & E-tailing
 +
 Fashion Marketing
 +
 Practicum
 =
 Business & Industry Endorsement



Careers and Average Salary

Fashion Designer	\$34,460 - \$92,910
Marketing Mgr.	\$66,010 - \$134,410
Telemarketer	\$24,850 - \$36,970
Advertising Manager	\$35,370 - \$166,180



Manufacturing



Concepts in Manufacturing

- Welding
- Advanced Welding
- Practicum in Manufacturing
- *Certifications: CORE Welding Level 1*



Employment Outlook

In many regions of the U.S. there is great demand for highly skilled technicians. Demand for low skill production workers will continue to decline. Manufacturing is still a large segment of the U.S. economy. Companies are becoming more specialized and high-tech. Careers related to quality, logistics and health, safety and environmental assurance will continue to grow as these issues gain importance to the American public.



Ask Yourself

- *Do I enjoy creating or designing things?*
- *Am I good at visualizing concepts and ideas?*
- *Would I like to work in a factory?*
- *Do I have good manual dexterity?*
- *Do I enjoy learning about and using new*



Example Plan

BIM
+
Principles of Manufacturing
+
Welding
+
Agriculture Facilities & Design
+
Advanced Welding
=
Business & Industry Endorsement



Careers and Salary Range

Ironworkers	\$24,000 - \$51,000
Welder	\$23,560 - \$60,150
Electronic Tech	\$35,210 - \$67,540
Machinist	\$23,360 - \$60,490

Information Technology



BUSINESS AND INDUSTRY



Concepts in Information Technology

- Digital Interactive Media
- Web Technologies
- Computer Programming
- Research in Information Technology Solutions



Employment Outlook

Opportunities for employment in this Career Cluster are promising. As technology advances across the globe, it is important to have individuals who understand and can support the new technological demands. This field requires employees to have high level degrees and certifications. Over the next decade, Network Systems and Data Communications Analysts will see a 53 percent increase in employment opportunities.



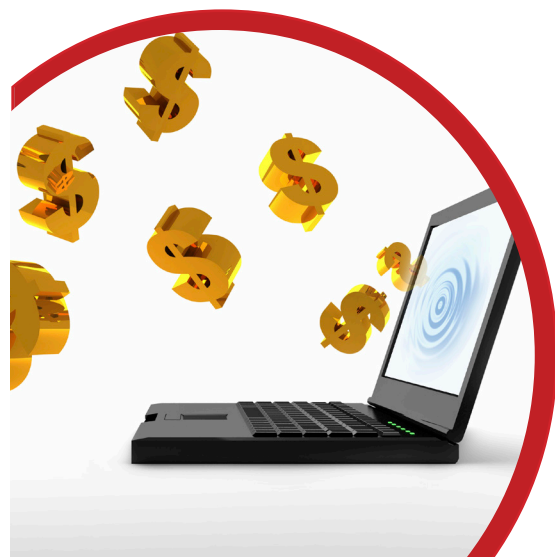
Ask Yourself

- *Do I enjoy working with computers?*
- *Am I fascinated by technology?*
- *Am I a logical and mathematical learner?*
- *Am I organized and detail oriented?*
- *Do I learn new computer programs easily?*
- *Do I adapt well to change?*
- *Have I ever created my own computer program or video game?*
- *Am I the person people rely on to set up or use computer hardware and software?*



Example Plan

BIM
+
Principles of Information Technology
+
Web Technology
+
Advanced Computer Programming
=
Business & Industry Endorsement



Careers and Salary Range

Web Developer	\$71,080 - \$110,190
Software Engineer	\$97,600 - \$135,010
Video Game Developer	\$94,920 - \$141,320
Computer Programmer	\$79,840 - \$121,310



Transportation

BUSINESS AND INDUSTRY



Concepts in Transportation

- Energy, Power & Transportation
- Collision Repair & Refinishing
- Automotive Technology
- Practicum in Transportation, Distribution & Logistics
- *Certifications: I-CAR Platinum Pro Level 1, ASE, OSHA Career Safe 10*



Employment Outlook

Job opportunities are projected to be good for individuals within this Career Cluster.

Availability will vary depending upon the area you choose to enter within this field. The best job prospects within this Career Cluster are cargo and freight agents, where 24 percent employment demand is projected over the next decade. In addition, with the current green initiatives, science technicians are specialized occupations that will expect a 12 percent growth over the next decade.



Ask Yourself

- *Would I like to fly planes, drive trucks, or pilot ships?*
- *Am I organized and efficient?*
- *Do I have good eyesight and quick reflexes?*
- *Am I good at solving problems?*
- *Am I good at understanding mechanics?*



Example Plan

Energy, Power, Transportation
 +
 Automotive Technology
 +
 Advanced Automotive Technology
 =
 Endorsement in Business and Industry



Example Plan

Energy, Power, Transportation
 +
 Automotive Collision and Repair
 +
 Advanced Automotive Collision and Repair
 =
 Endorsement in Business and Industry

CFB's Automotive Tech Programs at R. L. Turner and Creekview are NATEF accredited!



Careers and Salary Range

Automotive Technician	\$19,830 - \$60,370
Auto Body Repairer	\$22,020 - \$70,080
Air Traffic Controller	\$67,450 - \$174,240



Concepts in Hospitality & Tourism

- Restaurant Management
- Culinary Arts
- Practicum in Culinary Arts
- Food Science (4th year Science)
- *El Centro Articulation*
- *Serv Safe Certification*



Employment Outlook

This Career Cluster will remain relatively steady with little to no change. Due to the fluctuations within the economy, the need and desire for travel, recreation and leisure activities shift. Higher degrees and excellent customer service skills within food service plus experience within upscale luxury hotels will provide the best job opportunities.



Ask Yourself

- *Do I enjoy travel?*
- *Do I enjoy dining in restaurants?*
- *Do I like to cook?*
- *Am I friendly and outgoing?*
- *Would I like to work in a hotel, on a cruise ship, or in a restaurant?*



Example Plan

BIM
+
Restaurant Management
+
Culinary Arts
+
Food Science
+
Practicum of Culinary Arts
=
Endorsement in Business & Industry



\$ Careers and Salary Range

Chef	\$23,280 - \$74,760
Hotel Manager	\$31,360 - \$91,610
Convention Planner	\$20,130 - \$73,410
Travel Guide	\$22,500 - \$54,670



Health Science

PUBLIC SERVICE



Concepts in Health Science

- Health Science
- Anatomy & Physiology (4th year Science)
- World Health Research
- Practicum in Health Science (EMT, CNA, Hospital Rotations)
- Vet Assistant Level I
- *Certifications: Certified Nurse Assistant, Pharmacy Tech, EMT*



Employment Outlook

The medical and health fields continue to advance with technology and new job opportunities. Also, an aging population and increased competition among pharmaceutical companies will increase the demand for new and improved medications and create more jobs. Many careers within this field will require highly skilled applicants with experience in healthcare and business management.



Ask Yourself

- *Do I enjoy helping people feel better?*
- *Am I interested in medicine or dentistry?*
- *Do I enjoy school, especially science classes?*
- *Would I enjoy teaching people how to live a healthy lifestyle?*
- *Do I pay attention to small details?*
- *Do I have an excellent memory?*
- *Would I like working in a hospital or other medical facility?*



Example Plan

Principles of Health Science
+
Lifetime Nutrition & Wellness
+
Anatomy & Physiology
+
Practicum in
Health Science (Pharmacy Tech)
=
Endorsement in Public Service



Careers and Salary Range

Athletic Trainer	\$32,380 - \$71,150
Cardiology Technician	\$26,730 - \$82,200
Nurse Practitioner	\$74,420 - \$138,990
Occupational Therapist	\$56,860 - \$124,860

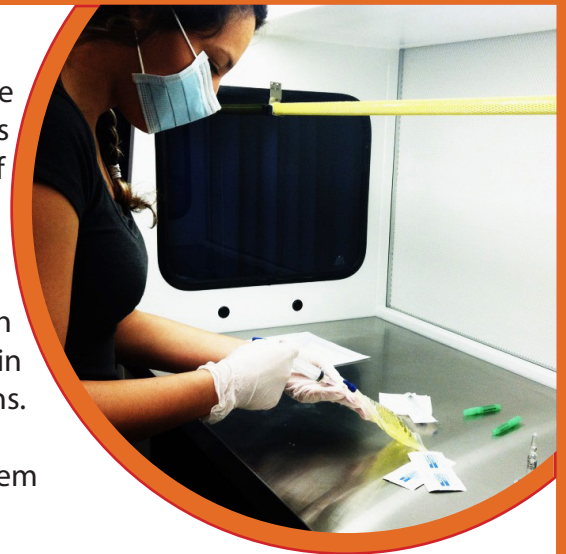


BioMedical Science Academy

PUBLIC SERVICE

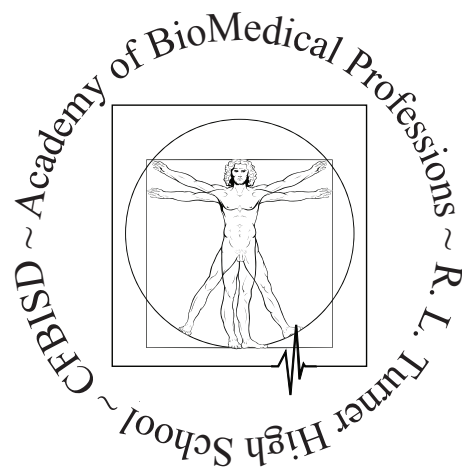
Mission: The mission of the Academy is to instruct students in all aspects of health-related careers, while maintaining a comprehensive high school education. The Academy is designed to prepare students for their place in an ever-changing world they will inherit - a world of health and human service.

Overview of the Academy: The Academy began in the fall of 1998 and has a current enrollment of over 200 students, freshmen through seniors, who have made a commitment to a challenging curriculum in the areas of allied health, professional, and biotechnology professions. Our goal as educators is to provide them with valuable experiences, appropriate curriculum, and real-world applications that will help them become successful members of society.



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BioMedical Science Academy
Facilitator: Erin Middleton
R. L. Turner High School
1600 S. Josey Lane
Carrollton, TX 75006
972-968-5400



Human Services

PUBLIC SERVICE



Concepts in Human Services

- Child Development
- Lifetime Nutrition
- Cosmetology
- Human Growth & Development
- *Licensed :Cosmetology Operator*



Employment Outlook

Employment within the Human Services Career Cluster is expected to be favorable within the next decade. Jobs will be easier to find within urban as opposed to rural environments. With proper training and skill level, people are predicted to have little difficulty finding employment.



Example Plan

Introduction to Cosmetology
+
Cosmetology I
+
Cosmetology II

=
Endorsement in Public Service



Ask Yourself

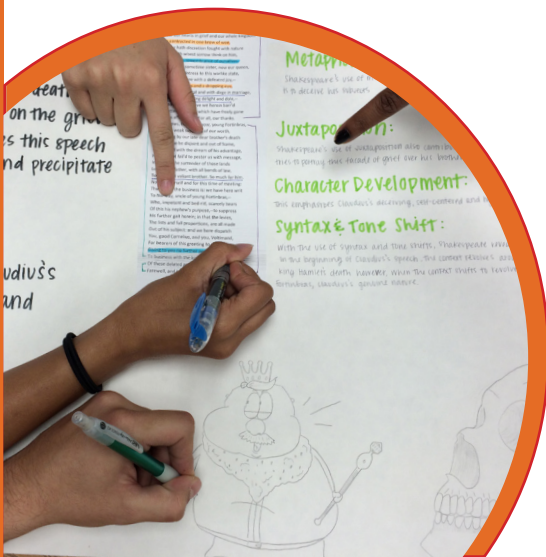
- *Do I enjoy helping other people?*
- *Am I sympathetic to people in unfortunate situations?*
- *Do I like to help people feel better and look better?*
- *Would I enjoy teaching people to improve their lives?*
- *Am I realistic?*



Example Plan

BIM
+
Principles of Human Services
+
Interpersonal Studies
+
Practicum in Human Services

=
Endorsement in Public Services



Careers and Salary Range

Child Psychologist	\$35,200 - \$90,190
Hairdresser	\$16,570 - \$43,690
Sports Psychologist	\$49,570 - \$140,390
Minister	\$28,180 - \$73,390



Education & Training

PUBLIC SERVICE



Concepts in Education & Training

- Principles of Education and Training
- Human Growth and Development
- Practicum in Education/Training



Employment Outlook

With an emphasis on improving education services, this Career Cluster holds many career opportunities. A 12 percent wage and salary increase is projected over the next few years. With a greater need to reach children with learning differences, obtaining specialization in special education will help distinguish you in the market place.



Ask Yourself

- *Do I enjoy teaching others?*
- *Am I patient?*
- *Am I comfortable with public speaking?*
- *Am I creative?*
- *Do I enjoy working with children or teenagers?*
- *Do I enjoy helping people learn new skills?*
- *Am I outgoing?*



Example Plan

BIM
 +
 Principles of Education & Training
 +
 Human Growth Development
 +
 Instructional Practices in
 Education & Training
 +
 Practicum in Education/Training
 =
 Endorsement in Public Service



Careers and Salary Range

Principal	\$55,070 - \$99,550
Secondary Teacher	\$39,740 - \$67,850
Instructional Specialist	\$41,440 - \$90,010
Professor	\$70,570 - \$131,460



Government and Public Administration

PUBLIC SERVICE



Concepts in Government and Public Administration

- Political Science I
- Political Science II
- NJROTC
- Practicum in Local, State, and Federal Government



Employment Outlook

This Career Cluster allows people to choose from a variety of careers. Since government is so large, nearly every career can fall into this Career Cluster. Employment varies for many of the careers within this field because laws limit the length and number of terms a person can stay in office. Important issues change with every new administration causing the number of jobs in any given area to fluctuate as well.



Ask Yourself

- *Do I value public service?*
- *Am I interested in government and politics?*
- *Would I enjoy working at the post office or helping people plan new communities?*
- *Would I like to work overseas?*
- *Would I be interested in joining the military?*



Example Plan

Principles of Government & Public Administration
 +
 Human Growth Development
 +
 Political Science I
 +
 Political Science II
 =
 Endorsement in Public Service



Careers and Salary Range

FBI Agent	\$71,040 - \$129,870
Chief Executive	\$72,160 - \$185,090
Energy Auditor	\$39,560 - \$129,050
Urban Planner	\$39,560 - \$129,050

Law, Public Safety, Corrections & Security



Concepts in Law, Public Safety, Corrections & Security

- Law Enforcement I
- Court Systems & Practices
- Forensic Science (4th year science)



Employment Outlook

Employment within this Career Cluster will grow as fast as the national average. Over the next decade, job opportunities look most favorable within local police departments. Positions in state and federal agencies will be more competitive, requiring people in this field to earn some type of college degree or gain military experience.



PUBLIC SERVICE



Ask Yourself

- *Do I want to be a firefighter or police officer?*
- *Do I respect the law and the rule of law?*
- *Do I like to help people?*
- *Do I think it would be exciting to work in a courtroom?*
- *Am I good at debating and winning arguments?*
- *Do I enjoy school?*
- *Am I detail-oriented and driven?*
- *Would I enjoy being responsible for other people's*



Example Plan

BIM
+
Principles of Government & Public Administration
+
Court Systems & Practices
+
Law Enforcement I
+
Forensic Science (4th year Science)
=
Endorsement in Public Service



Careers and Salary Range

Crime Scene Technician	\$37,250 - \$62,810
Criminal Profiler	\$35,780 - \$63,840
Lawyer	\$58,150 - \$154,750
Police Officer	\$35,650 - \$72,810



Law and Criminal Justice Academy

PUBLIC SERVICE



In our human society, order has been maintained only by a system of laws. Without laws, human social order becomes chaos. Without obedience to the law, and enforcement of the law, social order cannot exist. Due to the importance of law and its enforcement, a myriad of meaningful career opportunities exist. The Law and Criminal Justice Academy at Creekview High School will provide an in-depth learning experience for students interested in pursuing one of these careers.

The mission of the Law and Criminal Justice Academy at Creekview High School is to provide students with a foundation in the legal system of the United States as it relates to their role as a productive citizen as well as a possible career in government service, the legal profession, investigative agencies, or the scientific fields involved in the law and criminal justice field.

Your student will receive an outstanding education at any of our four high schools in Carrollton-Farmers Branch ISD. Your student may be eligible and interested in applying to one of our specific academies or high school programs in our district. Students apply to these programs during their 8th grade year and are selected according to the criteria of grades, attendance records, state assessments, essays and teacher recommendations. Students in all the programs participate in field trips and earn dual credit for college.

You and your child will have an opportunity to learn about these programs this fall at the middle school presentations, parent meetings, and student tours. Information about the programs and dates of these events can be found on the websites listed below or by contacting your middle school counselor.



Law and Criminal Justice Academy
Creekview High School
Facilitator: Amy Toy
3201 Old Denton Road
Carrollton, TX 75007

Early College High School

Early College High School at Brookhaven is proud to partner with Brookhaven Community College to offer our students the opportunity to earn two years of college credit before graduating from High School.

Early College High School is a part of the Texas Early College High School Network established by the Texas Education Agency. Early College High Schools (ECHS) are innovative high schools located on or in close proximity to a college campus that allow students least likely to attend college an opportunity to earn a high school diploma and 60 college credit hours.

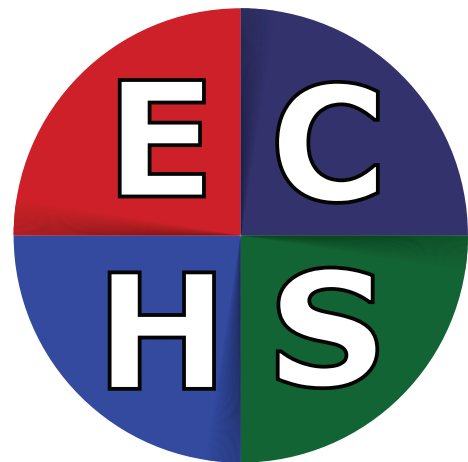
Early College High Schools:

- Provide dual credit at no cost to students
- Offer rigorous instruction and accelerated courses
- Provide academic and social support services to help students succeed
- Increase college readiness
- Reduce barriers to college access

The mission of the Early College High School at Brookhaven is to ensure that students attend a supportive academic environment that enables them to graduate from high school and earn a minimum of 42 core college hours or an Associate's Degree.



SPECIAL PROGRAM



Early College High School
at Brookhaven College
Principal: Mr. Michael Arreola
3939 Valley View Ln. Bldg. P
Farmers Branch, Tx. 75244

International Baccalaureate



What is IB?

The International Baccalaureate (IB) offers high quality programs of international education to a worldwide community of schools. IB has programs for students elementary through high school; these programs help develop the intellectual, personal, emotional and social skills to live, learn and work in a rapidly globalizing world. There are more than 668,000 IB students at 2,447 schools in 131 countries.

You can learn more about the IB at our IB website <http://www.ibo.org/school/003318>.

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You and your child will have an opportunity to learn about these programs this fall at the middle school presentations, parent meetings, and student tours. Information about the programs and dates of these events can be found on the websites listed below or by contacting your middle school counselor.



International Baccalaureate
Ranchview High School
Sharon Kotarski, IB Coordinator
972-968-5147



Academic Coherent Sequence:

Five courses within Social Studies

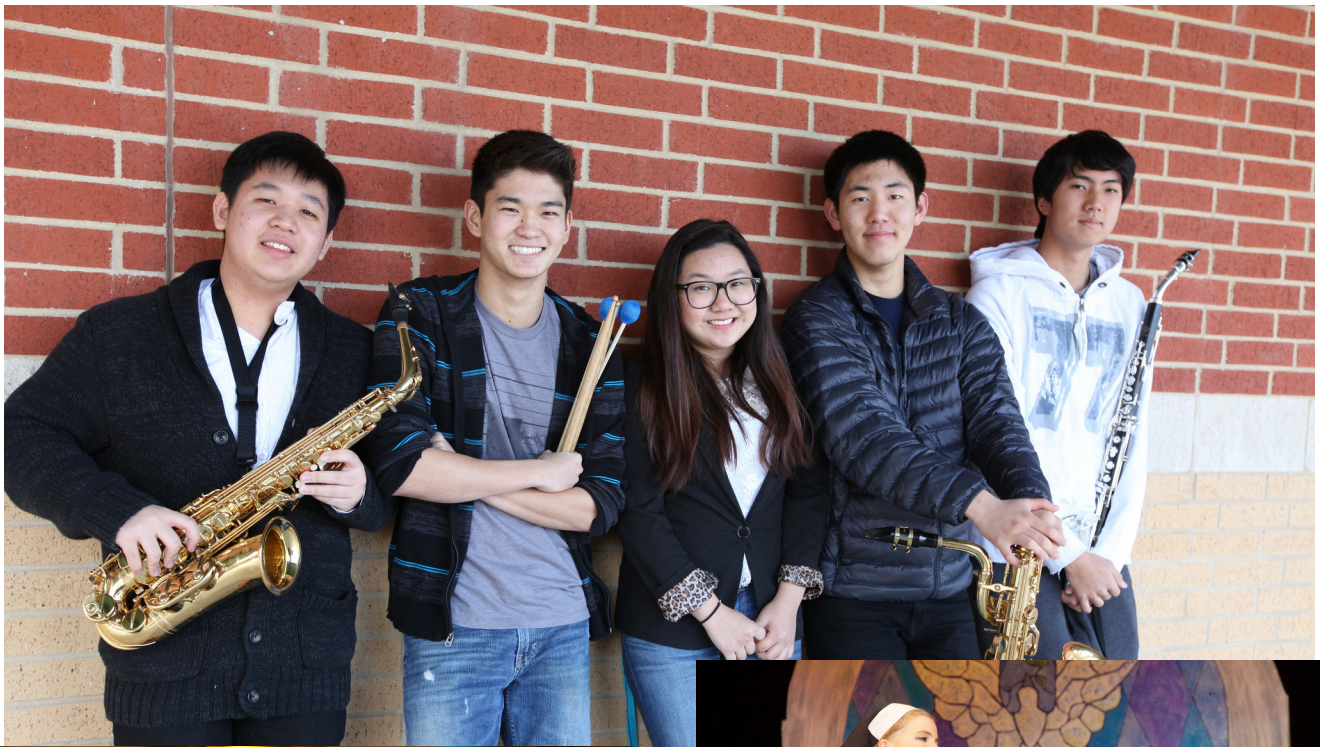
World Language Coherent Sequence

(Select one of the following)

- Four levels of the same language (French 1-4)
- Four levels of American sign Language
- Two levels of two different world languages (French 1 & 2, Spanish 1&2)

Fine Arts Coherent Sequence:

- 4 courses-Art
- 4 Courses-Dance
- 4 Courses-Music
- 4 Courses-Theatre





Multidisciplinary



MULTIDISCIPLINARY

• Four Credits in four foundation subject areas (Math, Science, Social Studies, English)

Or

• Four AP or IB Courses to include 1 credit in each of the four foundation subjects (Math, Science, Social Studies, English)

CTE Coherent Sequence (must include all)

• Four advanced courses that prepare students to enter the workforce/ postsecondary education from within one endorsement area that is not in a coherent sequence.



Example Plan

BIM I

+

Advanced Graphic Design and Illustration

+

Marketing Dynamics

+

BIM II

=

Endorsement in Multidisciplinary Studies



Glossary of Terms

CNA-Certified Nursing Assistant **Coherent Sequence of Courses-** Four CTE credits with 2 or more courses within a pathway

Course Credits-A unit of measure awarded for successful completion of a course. Completion of a one semester course typically earns one-half credit for a student.

CVA-Certified Veterinary Assistant

Distinguished Level of Achievement-A high level of academic achievement earned by going beyond the Foundation High School Program. It requires a total of 26 course credits, including Algebra II, a fourth science credit, and an endorsement. A student must earn this designation to be eligible for Top 10% automatic admission to Texas Public University.

EMT-Emergency Medical Technician

Endorsements-Area of specialized study:

- STEM
- Arts & Humanities
- Public Service
- Business & Industry
- Multidisciplinary studies

Foundation High School Program-The basic 22 Credits graduation program for Texas public school students

Industry Workforce Credentials-A state, nationally, or internationally recognized credential that aligns with the Knowledge and skills standards identified by an association or government entity representing a particular profession or occupation and valued by business or industry.

Performance Acknowledgments-Students may earn an additional acknowledgement on their diploma because of outstanding performance in areas such as dual credit courses and bilingualism and biliteracy; on Advanced Placement, International Baccalaureate, PSAT, ACT's Plan, SAT, or ACT exams; or by earning a nationally-or internationally recognized business or industry certification.

"I think it's an advantage going to public school. You can get more freedom and grow more as an individual. You get a chance to grow as yourself."

"I think Ranchview has helped me prepare for college by having diversity and different situations, different types of people. Even if you face challenges, you can over come them. I learned that through Ranchview and I think I'll use that in my college endeavors."

- Lilan Nguyen, 2014 Ranchview Graduate, IB Programme



HB5 Frequently Asked Questions

Can a student earn more than one endorsement?

Yes. A district must allow a student to enroll in courses under more than one endorsement before the student's junior year.

Can a student change endorsements? When?

Yes. While a district is not required to offer all endorsements, a district must allow a student to choose, at any time, to earn an endorsement other than the endorsement the student previously indicated from among the available endorsements.

I'm concerned that my small district cannot offer endorsements. What endorsements should a district be able to offer?

Without altering the courses that a school district is currently required by SBOE rule to offer, a district should be able to offer at least three of the five endorsements. Multidisciplinary (all districts are required to offer at least four courses in each foundation subject area, to include English IV, Chemistry, and/or Physics)

Business and Industry (TAC, §74.3(b)(2)(G) requires a district to offer a coherent sequences of courses from at least three CTE career clusters)

STEM (TAC, §74.3(b)(2)(C) requires a district to offer at least six science courses)

Will all high schools be required to offer multiple endorsements, even those that focus 100% on STEM/engineering?

No. Statute requires each school district to make available to high school students courses that allow a student to complete the curriculum requirements for at least one endorsement. A school district that offers only one endorsement curriculum must offer the multidisciplinary studies endorsement curriculum.

The new graduation rules include the following statement, "This section does not entitle a student to remain enrolled to earn more than 26 credits." Does this mean that a student cannot earn more than 26 credits?

No. This statement means that a student is not entitled to continue earning credits to earn endorsements indefinitely. A district may permit a student to earn more than 26 credits, but has the authority to deny a student's request to continue earning credits beyond the 26 if the district determines that the student has sufficient credits to graduate with an endorsement.

Do districts have the authority to require Algebra II or other specific courses for all endorsements?

Yes. School districts have the authority to establish requirements in addition to what the state requires of students for graduation. This is a local decision.

Who decides what constitutes a coherent sequence of courses?

Each local school district has the authority to determine a coherent sequence of courses and identify courses within that sequence as advanced courses for the purposes of satisfying an endorsement requirement, provided that prerequisites are followed.

It is the policy of Carrollton-Farmers Branch ISD not to discriminate on the basis of race, color, national origin, gender or handicap in its vocational programs, services or activities as required by Title VI of the Civil Rights Act of 1964, as amended; Title IX of the Educational Amendments of 1972; and Section 503 and 504 of the Rehabilitation Act of 1973, as amended. Carrollton-Farmers Branch ISD will take steps to ensure that lack of English language skills will not be a barrier to admission and participation in all educational programs and services.

HB5 Frequently Asked Questions

In some endorsement options there doesn't seem to be a clear sequence. Will the district determine the sequence in these cases?

Yes. A school district determines the specific set of courses each student must complete to earn an endorsement, provided that prerequisites are followed and that the set of courses meets the requirements of the options listed for an endorsement in SBOE rule.

If a student takes two CTE courses in his/her final semester, each from a different endorsement area, which endorsement would the student earn?

If a student takes two CTE courses that align with two different endorsement areas, the local school district must determine which course is part of the coherent sequence of courses for that student. The career cluster of that course would determine which endorsement the student earns. This is a local decision.

If a student on a business and industry endorsement program chooses a computer programming language to meet the foundation program Languages Other Than English (LOTE) requirement, will these courses satisfy both the LOTE requirement and the endorsement requirement under the Information Technology career cluster?

No. The computer programming courses that are part of CTE are not options for satisfying the LOTE requirement. The only courses that are currently approved to satisfy the LOTE requirement are Computer Science I, II, and III. These courses may satisfy the LOTE requirement and may count toward a STEM endorsement, but not a business and industry endorsement. A student must still earn a total of 26 credits to graduate on the Foundation High School Program with an endorsement.

May a student seeking a public services endorsement who is taking a sequence of courses in the Human Services career cluster use a course from another career cluster as part of the coherent sequence of courses?

Yes. A coherent sequence of courses may include courses from any CTE career cluster provided that the final course in the sequence is obtained from one of the CTE career clusters identified under the public services endorsement. Districts must determine locally that courses from different career clusters create a coherent sequence of courses.



"Early College High School has been a great experience. I wouldn't be where I am today without all the support I've gotten from my principal, teachers and classmates. I love the small setting of this school and I wouldn't be who I am today if it wasn't for the opportunity I've had at ECHS. It was a great four years!"

- Sergio Martinez, 2014 Early College High School Valedictorian

Sergio was accepted with a full scholarship to Harvard University.



Carrollton-Farmers Branch ISD

Learn more.
Achieve more.

