



STEER

BRANDING TIME

9th – 12th Grade Course Guide

2024-2025

BIG SPRING HIGH SCHOOL

From The Principal's Desk...

Dear Students and Parents:

The enclosed contents of this Curriculum Catalog were designed to assist students and parents in planning a successful course of studies.

I encourage you to read this catalog very carefully, choose the electives you wish to take, and enjoy Big Spring High School.

In the spring semester, formal registration will be held. Pre-registration procedures will be explained to students. Our goal this year is for members of our Counseling Center to counsel with each student and help him or her with individual needs.

Counselors:

Leasa Lowery

Morgan McWilliams

Taylor Osborn

The State Board of Education has approved a recommended high school curriculum to better prepare students for the future. Students and parents need to carefully review the options offered by the program and what is required to graduate from Big Spring High School. Students will be able to choose, with the advice and consent of their parents, the course program they wish to follow.

Before deciding on courses for next year, please give special consideration to the guidelines recommended by the State Board and the Commissioner of Education. Current students and parents may wish to amend their four-year plan to complete as many of the requirements as possible. Your choices in the spring will determine what courses are offered in the current school year. Depending on the availability of certain classes, it may be necessary for us to go to your alternate choices. Be extremely careful about the courses you write down.

It is my sincere hope this school year will prove to be a great year at Big Spring High School and a great year for you.

Enjoy your school year and take advantage of the many opportunities BSHS has to offer.

Good luck!

Mike Ritchey
BSHS Principal

Big Spring High School Graduation Plans

Foundation Plan 22 Credits	Foundation Plan + Endorsement 26 Credits	Distinguished Level of Achievement
• English - 4 Credits ◦ English I, II, III, IV • Math - 3 Credits ◦ Algebra I, Geometry, Advanced Math • Science - 3 Credits ◦ Biology, IPC or an Advanced Science, 2nd Advanced Science • Social Studies - 3 Credits ◦ World History or World Geography, US History, Government (½ Credit), Economics (½ Credit) • Foreign Language - 2 Credits ◦ 2 credits of the same Foreign Language • Fine Art - 1 credit • PE - 1 Credits • Electives - 5 Credits	• English - 4 Credits ◦ English I, II, III, IV • Math - 4 Credits ◦ Algebra I, Geometry, Advanced Math, 2nd Advanced Math • Science - 4 Credits ◦ Biology, IPC or an Advanced Science, 2nd Advanced Science, 3rd Advanced Science • Social Studies - 3 Credits ◦ World History or World Geography, US History, Government (½ Credit), Economics (½ Credit) • Foreign Language ◦ 2 credits of the same Foreign Language • Fine Art - 1 credit • PE - 1 Credits • Electives - 7 Credits *Must meet requirements specific to at least one endorsement (see below)	• All BSHS students who meet requirements for the Foundation Plan + Endorsement and take Algebra II will graduate with a Distinguished Level of Achievement. • The Distinguished Level of Achievement allows students to be eligible for the top 10% automatic admission for Texas public universities. Performance Acknowledgements Students also have the opportunity to earn performance acknowledgements including: • Outstanding performance in a dual credit course; bilingualism and biliteracy; on an AP test; or on the PSAT, ACT, or SAT • Certification: nationally or internationally recognized business or industry certificate or license

Endorsement Pathways				
Multi-Disciplinary	STEM	Business & Industry	Public Service	Arts & Humanities
Four credits in each of the four foundation subject areas (must include English IV and chemistry and/or physics (4X4)) OR Four credits in Dual Credit or AP classes (selected from English, mathematics, science, social studies, economics, languages other than English, or fine arts)	5 Credits of Mathematics (must include Algebra I, Geometry, Algebra II and two advanced math courses that require Algebra II as a prerequisite) OR 5 Credits of Science (must include Biology, Chemistry, Physics and two advanced Science courses)	Coherent sequence courses for four or more credits in CTE (at least 2 courses in the same career cluster-1 must be an advanced course) • Accounting & Financial Services • Automotive • Business Management • Carpentry • Culinary Arts • Drone • Graphic Design & Multimedia Arts • Interior Design • Marketing & Sales • Plant Science • Welding	Coherent sequence courses for four or more credits in CTE (at least 2 courses in the same career cluster-1 must be an advanced course) • Cosmetology • Exercise Science & Wellness • Family & Community Services • Law Enforcement • Nursing Science • Teaching & Training	Four credits in the same fine art discipline OR Two levels of the same language in a language other than English and two levels of a different language in a language other than English

Counseling Policies and Information

Automatic Admission Policy

Automatic Admission Requirements In accordance with Texas Education Code (TEC), §51.803, a student is eligible for automatic admission to a Texas public college or university as an undergraduate student if the student earned a grade point average in the top 10 percent of the student's high school graduating class or in the percentage of qualified applicants that are anticipated to be offered admission to the University of Texas at Austin*, and the applicant (1) successfully completed the requirements for the Recommended High School Program (RHSP) or the Distinguished Achievement Program (DAP); (2) earned the distinguished level of achievement under the Foundation High School Program; or (3) satisfied ACT's College Readiness Benchmarks on the ACT assessment or earned on the SAT assessment a score of at least 1,500 out of 2,400 or the equivalent. *For more information please visit the TEA website.*

College, Career, and Military Readiness (CCMR)

College, Career, and Military Readiness (CCMR) ensures that all Texas high school students have access to high quality pathways to career and college. There are several ways students can demonstrate college, career or military readiness. These include but are not limited to:

College Ready	Meets TSI criteria in reading AND math using SAT, ACT, or TSIA2 (see Texas Success Initiative Assessment section below for more information) OR Earn Dual Credit • 3 hours or more in ELAR or Mathematics, OR, • 9 college hours or more in any subject OR Graduate with an Associate Degree
Career Ready	Earn an Industry-Based Certification (IBC) AND CTE coherent sequence coursework completion and credit aligned with approved IBC's 1. 2025 Graduates - new and old IBC list plus Concentrator in aligned program of study. 2. 2026 Graduates and beyond - new IBC list plus Completer in aligned program of study. OR Graduate with completed IEP and workforce readiness
Military Ready	Enlist in the U.S. Armed Forces • ASVAB available to Sophomores, Juniors, and Seniors

BSHS College & Career Readiness Incentive Program

Big Spring High School is committed to encouraging all students to explore a pathway to become college or career ready. Students in good standing with credits and attendance are able to achieve up to 3 off-periods their senior year by meeting the following criteria:

To earn 2 off-periods students must:

- Demonstrate college readiness in ONE of the following ways:
 - Meet TSI criteria in BOTH ELAR and Math for college readiness
 - Earn 3 hours of dual credit in ELAR or Math
 - Earn 9 hours of dual credit in any subject

OR

- Demonstrate career readiness by earning an Industry-Based Certification and meet Program of Study coursework requirements according to graduating class (see chart above).

To earn an additional off-period students must:

- Pass all 5 STAAR EOC exams

*Seniors not enrolled in dual credit courses must take Project Based Research in their final year of high school.

*Juniors may earn 1 off-period if college or career readiness criteria is met by the end of Sophomore year.

Credit by Exam

A student who has previously taken a course or subject—but did not receive credit or a final grade for it—may, in circumstances determined by the principal or attendance committee, be permitted to earn credit or a final grade by passing an examination approved by the district's board of trustees on the essential knowledge and skills defined for that course or subject. Prior instruction may include, for example, incomplete coursework due to a failed course or excessive absences, homeschooling, or coursework by a student transferring from a nonaccredited school. The opportunity to take an examination to earn credit for a course or to be awarded a final grade in a subject after the student has had prior instruction is sometimes referred to as "credit recovery." If the student is granted approval to take an examination for this purpose, the student must score at least 70 on the examination to receive credit for the course or subject. The attendance review committee may also offer a student with excessive absences an opportunity to earn credit for a course by passing an examination.

Credit Requirements

All students who have completed the 8th grade are classified as freshmen when they enter high school. After the ninth grade, students are classified according to the number of high school credits he or she has earned.

Credits Earned	Classification
Fewer than 5.0	Grade 9 - Freshman
5.0	Grade 10 - Sophomore
12.0	Grade 11 - Junior
19.0	Grade 12 - Senior

Dual Credit (High School & College Credit)

Students in grades 10th-12th are permitted to earn credit toward high school graduation at Big Spring High School for completing college-level courses offered in an agreement with Howard College and Big Spring ISD. In order to participate in the program, students must be in good standing with grades, credits, attendance, and state assessment requirements. For more information regarding dual credit courses and registration requirements, please visit the Big Spring High School Website.

Early Graduation

Students who wish to graduate early from Big Spring High School AND participate in graduation ceremonies must meet the following criteria:

- Submit an early graduation application (obtained from the counselor) prior to the end of the school year before the intended year of graduation.
- Complete at least one full credit in summer school prior to the intended year of graduation.
- Meet college or career readiness requirements
- Complete a minimum of 26 credits.

Honors/Advanced Placement

A student may enter an Honors/AP course by meeting the following criteria:

- If currently in the Honors/AP course, a student must have maintained a yearly average of 80 or higher in order to be accepted into the next sequence of study (course).
- If currently in a regular course, interested students must have maintained a yearly average of 90 or higher or have received a written recommendation from their teacher.
- AND Students must have achieved a passing scale score on the STAAR exam in the related core area if applicable or have a written recommendation from their teacher in order to take an Honors/AP course.

P.E. Substitute Policy

The one credit required for PE may be met by any of the physical education or athletics courses. A student may also substitute two fall semesters of Marching Band in order to obtain one full credit of PE.

State Assessments

State Assessments Required for Graduation - STAAR End of Course Exams				
English I	English II	Algebra I	Biology	US History

Texas Success Initiative Assessment

Students scoring at or above the cut scores are considered “college ready” and eligible to enroll in any entry level college course (for example, English composition, history, government, or college algebra). Some college level courses require passing scores in more than one area.

Below are the TSI passing cut scores that are valid 5 years from the test date.

TSIA2 revised 01/11/21, with the TSI version 2 of the assessment:

- Mathematics: a minimum score of 950 or less than 950 and a diagnostic level 6
- ELAR: a minimum score of 945 on the multiple-choice section with an essay score of 5-8, or less than 945 on the multiple-choice section, a diagnostic level of 5 or 6, and an essay score of 5-8

A student shall be exempt from taking the TSIA if the student has:

- scored an ACT college prep assessment composite score of 23 with a minimum of 19 on the English test. With these scores, the student shall exempt both Reading and Writing sections of the TSIA.
- scored an ACT college prep assessment composite score of 23 with a minimum of 19 on the mathematics test. With these scores, the student shall exempt the Math section of the TSIA.
- taken the SAT administered March 2016 and later and earned a minimum score on the evidence-Based Reading and Writing (EBRW) assessment of 480 shall exempt both Reading and Writing sections of the TSIA
- taken the SAT administered March 2016 and later and earned a minimum score of 530 in Mathematics shall exempt the Math section of the TSIA.

All information in the Branding Time is subject to change according to changes in state law and/or school board policy.

ENGLISH/LANGUAGE ARTS AND READING

- **English I – Grade 9, 1 credit**
- **ESOL I – Grade 9, 1 credit** – This course must be recommended through a Language Proficiency Assessment Committee
- **English I (H) – Grade 9, 1 credit**
- **English II – Grade 10, 1 credit**
- **English II (H) – Grade 10, 1 credit**
- **ESOL II – Grade 10, 1 credit** – This course must be recommended through a Language Proficiency Assessment Committee
- **English III – Grade 11, 1 credit**
- **English III (H) – Grade 11, 1 credit**
- **AP English Language – Grade 11, 1 credit** – Students will prepare to take the AP English Language exam.
- **English IV – Grade 12, 1 credit**
- **HC English IV (Dual Credit English – ENGL 1301 & 1302) – Grade 12, 1 credit** – This is a dual credit course in which students will receive both high school and college credit.
- **AP English Literature – Grade 12, 1 credit** – Students will prepare to take the AP English Literature exam. Prerequisite: AP English Language

MATHEMATICS

- **Algebra I – Grade 9, 1 credit**
- **Algebra I (H) – Grade 9, 1 credit**
- **Geometry – Grades 9-12, 1 credit**
- **Geometry (H) – Grades 9-12, 1 credit**
- **Algebra II – Grades 10-12, 1 credit**
- **Algebra II (H) – Grades 10-12, 1 credit**
- **Algebraic Reasoning - Grades 11-12, 1 credit**
- **Mathematical Models with Applications – Grades 10-12, 1 credit**
- **Pre-Calculus – Grades 11-12, 1 credit**
- **Pre-Calculus (H) – Grades 11-12, 1 credit**
- **Financial Math – Grade 11-12, 1 credit** (*also a Career & Technical credit*)
- **HC Algebra (Dual Credit College Algebra – MATH 1314) – Grade 11-12, 1 credit** – This is a dual credit course in which students will receive both high school and college credit.
- **HC Statistics (Dual Credit Statistics – MATH 1342) - Grade 12, 1 credit** – This is a dual credit course in which students will receive both high school and college credit.

SOCIAL STUDIES

- **World History – Grade 9, 1 credit**
- **World History (H) – Grade 9, 1 credit**
- **United States History – Grade 10, 1 credit**
- **United States History (H) -- Grade 10, 1 credit**
- **World Geography – Grade 11, 1 credit**
- **AP Human Geography – Grade 11-12, 1 credit** – Students will prepare to take the AP Human Geography exam.
- **Government – Grade 12, ½ credit**
- **AP Government - Grade 12, ½ credit** - Students will prepare to take the AP Government exam.
- **HC Government (Dual Credit Government – GOVT 2305 & 2306) – Grade 12, 1 credit** -- This is a dual credit course in which students will receive both high school and college credit (Dual credit GOVT students will receive Economics credit through OdysseyWare).
- **Personal Financial Literacy & Economics – Grade 12, ½ credit**
- **AP Macroeconomics - Grade 12, ½ credit** - Students will prepare to take the AP Macroeconomics exam.
- **HC Psychology (Dual Credit Psychology – PSYC 2314) – Grade 11-12 – ½ credit** – This is a dual credit course in which students will receive both high school and college credit.

SCIENCE

- Biology – Grade 9, 1 credit
- Biology (H) – Grade 9, 1 credit
- Chemistry – Grades 10-11, 1 credit
- Chemistry (H) – Grades 10-11, 1 credit
- Physics – Grades 11-12, 1 credit
- Physics (H) – Grade 11, 1 credit
- AP Physics - Grade 12, 1 credit - Students will prepare to take the AP Physics exam.
- AP Biology – Grade 11-12, 1 credit – Students will prepare to take the AP Biology exam.
- Anatomy & Physiology – Grades 11-12, 1 credit
- Forensic Science – Grades 11-12, 1 credit
- Environmental Systems – Grade 12, 1 credit

FINE ARTS

- Art I – Grades 9-12, 1 credit
- Art II – Grades 10-12, 1 credit
- Art III – Grades 11-12, 1 credit
- Art IV – Grades 12, 1 credit
- Theater Arts I – Grades 9-12, 1 credit
- Theater Arts II – Grades 10-12, 1 credit
- Theater Arts III – Grades 11-12, 1 credit
- Theater Arts IV—Grade 12, 1 credit
- Tech Theatre – Grades 9-12, 1 credit
- Theatre Production – Grades 10-12, 1 credit
- Band I – Grade 9, 1 credit
- Band II – Grade 10, 1 credit
- Band III – Grade 11, 1 credit
- Band V – Grade 12, 1 credit
- Choir I, Grades 9-12, 1 credit
- Choir II, Grades 9-12, 1 credit
- Choir III, Grades 9-12, 1 credit
- Choir IV, Grades 9-12, 1 credit
- Vocal Ensemble, Grades 9-12 1 credit
- Floral Design, Grades 9-12, 1 credit
- Dance I-IV, 1 credit

FOREIGN LANGUAGE

- ASL I – Grades 9-12, 1 credit (*This course is offered as Dual Credit*)
- ASL II – Grades 10-12, 1 credit (*This course is offered as Dual Credit*)
- German I, Grades 9-12
- German II, Grades 9-12
- French I - Grades 9-12, 1 credit
- French II - Grades 10-12, 1 credit
- Spanish I – Grades 8-12, 1 credit
- Spanish II – Grades 9-12, 1 credit
- HC Spanish III (Dual Credit Spanish -- SPAN 1412 & 2311) – Grades 11-12, 1 credit - This is a dual credit course in which students will receive both high school and college credit.

PHYSICAL EDUCATION & ATHLETICS

A student may earn credit in interscholastic league athletics or marching band as a substitute for the physical education units. Credits will be awarded in accordance with the number of semesters a student participates in the different activities. Students may earn a maximum of 4 units of Physical Education toward state graduation requirements.

PHYSICAL EDUCATION & ATHLETICS (continued)

- PE – Foundations of Personal Fitness – Grades 9-12, 1 credit
- Team Sports – Grades 9-12, 1 credit

These activities are considered competitive athletics and are taken in lieu of physical education. Entry into these activities is based upon approval of the coach in charge.

Football		Volleyball
Boys Basketball		Girls Basketball
Boys Track		Girls Track
Baseball		Softball
Cross Country		Golf
Swimming		Tennis
Soccer		Athletic Training

BIG SPRING HIGH SCHOOL CAREER & TECHNICAL COURSES

Career & Technical Education

Business & Industry Endorsement

Accounting & Financial Services (IBC – Accounting Basic)

- Principles of Business, Marketing, & Finance (7-9)
- Business Information Management I (9-12)
- Accounting I (10-12)
- Accounting II (9-12) **Required for IBC (Prerequisite: Accounting I)*
- Financial Math (12)

Architectural Design (IBC - Auto CAD)

- Principles of Architecture (9-12)
- Interior Design I (10-12) **Prerequisite: Principles of Architecture*
- Interior Design II (10-12) - **Required for IBC (Prerequisite: Interior Design I)*

Automotive (IBC – ASE Entry level Automobile Maintenance & Light Repair)

- Energy, Power, and Transportation Systems (9-12)
- Automotive Technology I (10-12) – *Prerequisite: Energy, Power, and Transportation Systems*
- Automotive Technology II/LAB (11-12) – *Prerequisite: Automotive Technology I*

Business Management (IBC – Microsoft Office Expert in Word/Excel/Access)

- Principles of Business, Marketing, & Finance (7-9)
- Business Information Management I (9-12)
- Business Information Management II (10-12) **Required for IBC (Prerequisite: BIM 1)*
- Human Resource Management (.5 credit) / Global Business (.5 credit) (9-12)
- Business Management (9-12)

Carpentry (IBC - NCCER Core & NCCER Carpentry level I & II)

- Principles of Construction (9-12)
- Construction Technology I (10-12) – *Prerequisite: Principles of Construction*
- Construction Technology II (11-12) – *Prerequisite: Construction Technology I*
- Construction Technology (12) – *Dual Credit Program via Howard College*

Culinary Arts (IBC – ServSafe Manager)

- Intro to Culinary Arts (9-12)
- Culinary Arts (10-12) – *Prerequisite: Intro to Culinary Arts*
- Advanced Culinary Arts (11-12) --*Prerequisite: Culinary Arts*

Drone (Unmanned Flight) (IBC - FFA Part 107)

- Introduction to Unmanned Aerial Vehicles (UAV) (9-12) **Required for IBC*
- Robotics I (9-12)
- Robotics II (10-12) - *Prerequisite: Robotics I*
- Scientific Research & Design (11-12) - *Prerequisite: Robotics II*

Graphic Design & Multimedia Arts (IBC – Adobe Certification)

- *Principles of Arts, A/V Technology, and Communications (7-8 Only)*
- Digital Media (9-12) (**Required for IBC – can be taken concurrently w/ any course*)
- Graphic Design & Illustration I (9-12)
- Graphic Design & Illustration II (10-12) – *Prerequisite: Graphic Design & Illustration I*
- Commercial Photography I (9-12) –*Newspaper embedded.*
- Commercial Photography II (10-12) –*Newspaper embedded; Prerequisite: Commercial Photography I*

Marketing & Sales (IBC - Real Estate Sales Agent)

- Principles of Business, Marketing, & Finance
- Advertising (0.5 credit) / Social Media Marketing(0.5 credit) (10-12)
- Marketing (11-12)
- Fundamentals of Real Estate (12) **Required for IBC*

Plant Science (IBC – Texas State Florist’s Association Knowledge Based Floral Certification)

- *Principles of Agriculture, Food, and Natural Resources (7-8 Only)*
- Landscape Design & Management (0.5 credit) / Turf Grass Management (0.5 credit) (9-12)
- Greenhouse Operation & Production/LAB (10-12)
- Floral Design/LAB (9-12) **Required for IBC*
- Advanced Floral Design (10-12) *Prerequisite: Floral Design/LAB*
- Project Based Research (12)

Welding (IBC – AWS D1.1 Structural Steel or AWS D9.1 Sheet Metal Welding)

- Intro to Welding (9-12)
- Welding I (10-12) – *Prerequisite: Intro to Welding*
- Welding II (11-12) – *Prerequisite: Welding I*
- Practicum in Manufacturing (12) – *Prerequisite: Welding II*

Public Service

Cosmetology & Personal Care Services (IBC - Multiple Cosmetology Certifications) Dual Credit Program via Howard College

- Principles of Cosmetology Design & Color Theory (11-12)
- Cosmetology I (11-12)
- Introduction to Cosmetology (12)
- Cosmetology II (12) - *Prerequisite: Cosmetology I*

Exercise Science & Wellness (IBC - Certified Personal Trainer Program or Preprofessional Certification in Nutrition, Food & Wellness)

- *Principles of Exercise Science (7-8)*
- Kinesiology I (9-10)
- Kinesiology II (10-11) – *Prerequisite: Kinesiology I*
- Anatomy & Physiology (11-12)
- Applied Nutrition & Dietetics **Required for IBC*
- Project Based Research (12)

Family & Community Services (IBC - Community Health Workers)

- Human Growth & Development (9-12)
- Counseling & Mental Health (9-10)
- Dollars & Sense (0.5 credit) / Interpersonal Studies (0.5 credit) (10-12)
- Family & Community Services (10-12) **Required for IBC*
- Project Based Research (12)

Law Enforcement (IBC – Non-Commissioned Security Officer Level II & IAED Emergency Telecommunicator)

- Law Enforcement I (9-10)
- Counseling & Mental Health (9-10)
- Forensic Science (11-12)
- Law Enforcement II (12) **Required for IBC (Prerequisite: Law Enforcement I)*

Healthcare Therapeutic(Nursing Science) (IBC– Certified Nurse Aide, ECG Technician, Phlebotomy Technician, Patient Care Technician)

- Medical Terminology (10-12) - Dual Credit Program via Howard College
- Clinical Ethics (10-12) - Dual Credit Program via Howard College
- Anatomy & Physiology (11-12)
- Health Science Clinical (CNA) (11-12) - Nurse Aide Health certification program via Howard College
- Health Science Theory (Phlebotomy) (12) - Dual Credit Program via Howard College

Teaching & Training (IBC - Educational Aide I)

- Principles of Education & Training (9-12)
- Human Growth & Development (9-12)
- **Instructional Practices (10-12) *Required for IBC (Prerequisite- Prin of Ed or Human Growth)*
- EDU 1301/EDU 2301 (12) - Dual Credit program via Howard College

Language Arts Electives

- Debate I, II, III (9-12)
- Independent Study in Speech (12)
- Newspaper (9-12)

Fine Arts Electives

- **Art** – Art I, II, III, IV (9-12)
- **Band** – Band I, II, III, IV (9-12)
- **Choir** – Choir I, II, III, IV (9-12) & Vocal Ensemble (10-12)
- **Theatre** – Theatre I, II, III, IV (9-12), Technical Theatre I, II, III, IV (10-12), Th. Production I, II, III, IV (10-12)

Local Electives

- **Office Aide** (11-12) - must be in good standing with credits, attendance; administration approval required

Big Spring High School Career & Technical Education **Programs of Study to Endorsements**

Students must complete 3 or more sequenced courses for 4 or more credits to be a Program of Study Completer and to receive an Endorsement.

Each CTE Program of Study leads to an Endorsement. The endorsement is listed with each course sequence.

	<u>Accounting & Financial Services</u> Principles of Business, Marketing, & Finance (1 credit) Business Information Management I (1 credit) Accounting I (1 credit) Accounting II (1 credit) *Required for IBC Financial Math (1 credit) <i>Business & Industry Endorsement</i> *IBC - NOCTI Accounting Basic	The Accounting and Financial Services program of study teaches CTE learners how to examine, analyze, and interpret financial records. Through this program of study, students will learn the skills necessary to perform financial services, prepare financial statements, interpret accounting records, give advice, or audit and evaluate statements prepared by others. This program of study will also introduce students to mathematical modeling tools.
	<u>Architectural Design</u> Principles of Architecture (1 credit) Interior Design I (1 credit) Interior Design II (2 credit) *Required for IBC <i>Business & Industry Endorsement</i> *IBC - Auto CAD	The Architectural Design program of study explores the occupations and educational opportunities associated with developing, engineering, and designing building structures and facilities. This program of study may also include exploration into collecting and interpreting geographic information, researching and preparing maps, and interior design.
	<u>Automotive</u> Energy Power Systems (1 credit) Automotive Tech I (2 credits) Automotive Tech II (2 credits) <i>Business & Industry Endorsement</i> *IBC - ASE Entry Level Automobile Maintenance & Light Repair	The automotive program of study teaches CTE learners how to repair and refinish automobiles and service various types of vehicles. CTE learners may learn to collect payment for services or supplies and perform typical vehicle maintenance procedures such as lubrication, oil changes, installation of antifreeze, or replacement of accessories like wiper blades or tires.
	<u>Business Management</u> Principles of Business, Marketing & Finance (1 credit) Business Information Management I (1 credit) *Required for certification Business Information Management II (1 credit) Business Management (1 credit) Human Resource Management (0.5 credit) Global Business (0.5 credit) <i>Business & Industry Endorsement</i> *IBC - Microsoft Office Expert (Word or Excel)	The Business Management program of study teaches CTE learners how to plan, direct, and coordinate the administrative services and operations of an organization. Through this program of study, students will learn the skills necessary to formulate policies, manage daily operations, and allocate the use of materials and human resources. This program of study will also introduce students to mathematical modeling tools and organizational evaluation methods.
	<u>Carpentry</u> Principles of Construction (1 credit) Construction Technology I (2 credits) Construction Technology II (2 credits) Construction Technology (2 credits) Dual Credit via Howard College <i>Business & Industry Endorsement</i> *IBC - NCCER Core & NCCER Carpentry level I & II	The Carpentry program of study explores the occupations and educational opportunities related to constructing, installing, or repairing structures and fixtures made of wood, such as concrete forms (including frameworks, partitions, joists, studding, rafters, and stairways). This program of study may also include exploration into installing, dismantling, or moving machinery and heavy equipment according to layout plans, blueprints, or other drawings.

	<u>Cosmetology & Personal Care Services</u> Principles of Cosmetology Design & Color Theory (1 credit) Introduction to Cosmetology (1 credit) Cosmetology I (2 credits) Cosmetology II (2 credits) <i>Public Service Endorsement</i> *IBC - Multiple Cosmetology Certifications	The Cosmetology and Personal Care Services regional program of study introduces CTE learners to knowledge and skills related to providing beauty and personal care services. CTE concentrators may learn about or practice managing personal care facilities and coordinating or supervising personal service workers
	<u>Culinary Arts</u> Intro to Culinary Arts (1 credit) Culinary Arts (2 credits) Advanced Culinary Arts (2 credits) <i>Business & Industry Endorsement</i> *IBC - ServSafe Manager	The Culinary Arts program of study introduces CTE learners to occupations and educational opportunities related to the planning, directing, or coordinating activities of a food and beverage organization or department. This program of study also explores opportunities involved in directing and participating in the preparation and cooking of food.
	<u>Drone (Unmanned Flight)</u> Introduction to Unmanned Aerial Vehicles (UAV) (1 credit) *Required for IBC Robotics I (1 credit) Robotics II (1 credit) Scientific Research & Design (1 Credit) <i>Business & Industry Endorsement</i> *IBC - FAAPart 107	The Drone-Unmanned Flight regional program of study introduces CTE learners to the occupations and education opportunities related to operating or designing an unmanned aircraft using a ground-based controller and the systems of communications between the controller and the aircraft.
	<u>Exercise Science & Wellness</u> Principles of Exercise Science and Wellness Kinesiology I (1 credit) Kinesiology II (1 credit) Anatomy & Physiology (1 credit) Applied Nutrition & Dietetics (1 credit) *Required for IBC <i>Public Service Endorsement</i> *IBC - Certified Personal trainer Program or Pre-Professional Certification in Nutrition, Food, and Wellness	The Exercise Science and Wellness program of study introduces CTE learners to the fields that assist patients with maintaining physical, mental, and emotional health. Students will research diet and exercise needed to maintain a healthy, balanced lifestyle and learn about and practice techniques to help patients recover from injury, illness, or disease.
	<u>Family and Community Services</u> Human Growth & Development (1 credit) Counseling & Mental Health (1 credit) Dollars & Sense (0.5 credit) Interpersonal Studies (0.5 credits) Family & Community Services(1 credit) Project Based Research (1 Credit) <i>Public Service Endorsement</i> *IBC - Community Health Worker	The Family and Community Services program of study introduces students to knowledge and skills related to social services, including child and human development and consumer sciences. CTE learners may learn about or practice managing social and community services or teaching family and consumer sciences. Students may follow career paths in social work or therapy for children, families, or school communities
	<u>Graphic Design & Multimedia Arts</u> Principles of Arts, A/V Technology, and Communications (1 credit) Digital Media (1 credit) *Required for IBC Graphic Design & Illustration I (1 credit) Graphic Design & Illustration II (1 credit) Commercial Photography I (1 credit) Commercial Photography II (1 credit) <i>Business & Industry Endorsement</i> *IBC - Adobe Certification or Audio-visual Communications - Job Ready	The Graphic Design and Multimedia Arts program of study explores the occupations and educational opportunities associated with designing or creating graphics to meet specific commercial or promotional needs, such as packaging, displays, or logos. This program of study may also include exploration into designing clothing and accessories, and creating special effects, animation, or other visual images using film, video, computers, or other electronic tools and media, for use in computer games, movies, music videos, and commercials.

	<u>Law Enforcement</u> Law Enforcement I (1 credit) Counseling & Mental Health (1 credit) Forensic Science (1 credit) Law Enforcement II (1 credit) *Required for IBC <i>Public Service Endorsement</i> *IBC - Non-Commissioned Security Officer Level II & IAED Emergency Telecommunicator	The Law Enforcement program of study teaches CTE learners about the development of, adherence to, and protection of various branches of law. Students will learn how to appropriately and legally respond to breaches in the law according to statutory rules and regulations as well as investigate how and why the breaches occurred.
	<u>Marketing & Sales</u> Principles of Business (1 credit) Advertising (0.5 credit) Social Media Marketing (0.5 credit) Marketing (1 credit) Fundamentals Real Estate (1 credit) *Required for IBC <i>Business & Industry Endorsement</i> *IBC - Real Estate Sales Agent	The Marketing and Sales program of study teaches CTE learners how to collect information to determine potential sales of a product or service and/or create a marketing campaign to market or distribute goods and services. Through this program of study, students will learn the skills necessary to understand and apply data on customer demographics, preferences, needs, and buying habits
	<u>Healthcare Therapeutic</u> Medical Terminology (1 credit) Clinical Ethics (1 credit) Anatomy & Physiology (1 credit) Health Science Clinical (CNA) (2 credits) Health Science Theory (Phlebotomy) (1 credit) <i>Public Service Endorsement</i> *IBC - Certified Nurse Aide, ECG Technician, Phlebotomy Technician, Patient Care Technician (via Howard College)	The Healthcare Therapeutic program of study introduces students to occupations and educational opportunities related to diagnosing and treating acute, episodic, or chronic illness independently or as part of a healthcare team. This program of study also includes an introduction to the opportunities associated with providing treatment and counsel to patients as well as rehabilitative programs that help build or restore daily living skills to persons with disabilities or developmental delays.
	<u>Plant Science</u> Principles of Agriculture, Food and Natural Resources (1 credit) Landscape Design (0.5 credit) Turf Management (0.5 credit) Greenhouse Operation & Production (1 Credit) *Floral Design/LAB (1 credit) *Required for IBC Advanced Floral Design (1 credit) Project Based Research (1 credit) <i>Business & Industry Endorsement</i> *IBC - Texas State Florist's Association Knowledge Based Floral Certification	The Plant Science program of study focuses on the science, research, and business of plants and other living organisms. It teaches students how to apply biology and life science to real-world life processes of plants and vegetation, either in laboratories or in the field.
	<u>Teaching & Training</u> Principles of Education & Training (1 credit) Human Growth & Development (1 credit) *Instructional Practices (2 credits) *Required for IBC EDU 1301/EDU 2301 (1 credit) <i>Public Service Endorsement</i> *IBC - Educational Aide I	The Teaching and Training program of study prepares CTE learners for careers related to teaching, instruction, and creation of instructional and enrichment materials. The program of study introduces CTE learners to a wide variety of student groups and their corresponding needs. It familiarizes them with the processes for developing curriculum, coordinating educational content, and coaching groups and individuals.
	<u>Welding</u> Intro to Welding (1 credit) Welding I (2 credits) Welding II (2 credits) Practicum in Manufacturing (2 credits) <i>Business & Industry Endorsement</i> *IBC - AWS D1.1 Structural Steel or AWS D9.1 Sheet Metal Welding	The Welding program of study focuses on the development and use of automatic and computer-controlled machines, tools, and robots that perform work on metal or plastic. CTE learners will learn how to modify parts to make or repair machine tools or maintain individual machines, and how to use hand-welding or flame-cutting equipment.