

**INSTRUCTIONAL AGREEMENT**  
**BETWEEN**  
**TARRANT COUNTY COLLEGE DISTRICT**  
**AND**  
**ARLINGTON INDEPENDENT SCHOOL DISTRICT**  
**DUAL CREDIT PROGRAM**  
**STATE OF TEXAS**

This Agreement (herein so called), made and entered into as of June 2, 2021, by and between the **Tarrant County College District**, a Texas political subdivision of higher education, (referred to herein as "COLLEGE DISTRICT") and **Arlington Independent School District**, a Texas independent school district (referred to herein as "SCHOOL DISTRICT") evidences the following:

This Agreement shall be in effect for a period of three (3) years beginning as of June 2, 2021 and ending on June 1, 2024. Sixty days before the end of the term, SCHOOL DISTRICT may renew this Agreement for a subsequent three-(3) year term upon approval of the COLLEGE DISTRICT (SCHOOL DISTRICT and COLLEGE DISTRICT are sometimes referred to herein as "Party" or collectively as "Parties").

**PURPOSE**

The purpose of this Agreement is to provide students the opportunity to earn both college and high school credit while enrolled in high school (public, private, charter, or home school). The COLLEGE DISTRICT and SCHOOL DISTRICT will approve students meeting program requirements to enroll in courses referenced in this Agreement. Course credit will be awarded through the SCHOOL DISTRICT for high school academic requirements and the COLLEGE DISTRICT for semester credit hours leading to a post-secondary degree or certificate.

**DUAL CREDIT STATEWIDE GOALS**

HB 1638 (85th Legislature, Regular Session), as codified in Texas Education Code, Section 28.009 (b-1) and (b-2), requires the THECB and the TEA to collaboratively develop statewide goals for dual credit programs in Texas. These goals provide guidance to institutions of higher education and independent school districts on components that must be in place to ensure quality dual credit programs are provided to Texas high school students. These statewide goals address enrollment in and acceleration through postsecondary education, performance in college-level coursework, and strong academic advising.

COLLEGE DISTRICT will work in collaboration with SCHOOL DISTRICT to plan and offer outreach efforts including sessions for students and parents that provides information on the benefits, costs, funding, and enrollment policies of dual credit.

The dual credit program will assist high school students in the successful transition to and acceleration through postsecondary education. Students will follow the course offerings established by the COLLEGE DISTRICT'S course crosswalk and be informed on time to degree completion.

COLLEGE DISTRICT will work in collaboration with SCHOOL DISTRICT to provide all students participating in the dual credit program academic and college readiness advising with access to the COLLEGE DISTRICT'S student support services to support students into college course completion.

Dual credit students' performance will meet or exceed the level of quality and rigor on subsequent courses by participating in the dual credit program. Dual credit courses will maintain the COLLEGE DISTRICT'S standards in compliance with the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) and the Texas Higher Education Coordinating Board (THECB).

### **ELIGIBLE COURSES**

COLLEGE DISTRICT shall establish and conduct courses which are incorporated into this Agreement by reference as Attachment A (Course Crosswalk). Legislation (SB 1091) states dual credit courses must apply to the core curriculum, career and technical education courses toward a TCCD career and technology Certificate or Associate of Applied Science degree, foreign language, or a course that satisfies specific degree plan requirements leading to the completion of a TCCD Associate of Arts, Associate of Science, Associate of Applied Science Field of Study or Program of Study.

### **LOCATION OF CLASS**

The COLLEGE DISTRICT may offer dual credit courses on South Campus, Northeast Campus, Northwest Campus, Southeast Campus, Trinity River Campus, TCC Connect Campus, or at an approved SCHOOL DISTRICT campus or other location. Regardless of location, all courses offered will meet the standards of equivalent courses taught at the COLLEGE DISTRICT, and any class that has been approved as dual credit through this Agreement shall be considered a dual credit class even if held at a SCHOOL DISTRICT'S campus.

Dual credit courses taught electronically must adhere to the Texas Higher Education Principles of Practice for Courses Offered Electronically and the COLLEGE DISTRICT's standards for distance learning courses.

### **PROGRAM DETAILS**

(1) The COLLEGE DISTRICT and SCHOOL DISTRICT will adhere to all Rules and Guidelines delineated in the Tarrant County College dual credit Guidelines for dual credit Partnerships found in Attachment B of this Agreement.

(2) Program guidelines align with the Texas Administrative Code Chapter 4: Subchapter D. If the Texas Higher Education Coordinating Board (THECB) adopts new guidelines during the term of this Agreement, the new guidelines shall prevail.

(3) Students meeting program requirements for both COLLEGE DISTRICT and SCHOOL DISTRICT and seeking enrollment for coursework enumerated in Attachment A, must submit the following college admission documents:

- a) Consent to Emergency Treatment for Minor Student Form
- b) Family Educational Rights and Privacy Act Waiver (optional)
- c) Meningitis Vaccination Record (if taking courses on a TCC campus)
- d) Residency Questionnaire
- e) If undocumented status, Tuition Waiver for All Non-Citizen Residents Without An I-551 (Immigration Status)
- f) Online Readiness (for online courses)

(4) A high school student will not be allowed to take a college level course if the student does not meet the published passing criteria of the COLLEGE DISTRICT'S placement exam or qualifies for an exemption/waiver as specified by the COLLEGE DISTRICT policy.

(5) Students must complete registration process by completing the following steps:

- a) Admission application
- b) Pre-Assessment Activity (or exemption)

- c) Texas Success Initiative Assessment (TSI-A) (or exemption)
- d) Register for courses
- e) Pay for dual credit courses (refer to **Tuition and Fees** section)

(6) All courses referenced in this Agreement must be taught using the COLLEGE DISTRICT's Syllabus.

(7) The COLLEGE DISTRICT and SCHOOL DISTRICT agree to a recommended minimum of 15 students per class, exceptions can be approved by Vice President for Academic Affairs.

(8) Students will be allowed to attend classes at another COLLEGE DISTRICT campus when a specific course(s) or program(s) is not available at a campus within the students' service area.

(9) Student misconduct in the college course on COLLEGE DISTRICT campuses or SCHOOL DISTRICT campuses will be addressed in accordance with the COLLEGE DISTRICT'S Student Code of Conduct. The COLLEGE DISTRICT shall report disciplinary issues to the SCHOOL DISTRICT. In addition, COLLEGE DISTRICT administration may refuse to admit or continue enrollment of students with disciplinary issues.

(10) The COLLEGE DISTRICT in partnership with the SCHOOL DISTRICT will determine the academic eligibility of students to participate in the program.

(11) To continue in the program, students need to maintain academic standards of COLLEGE DISTRICT.

(12) Dual credit courses will follow the COLLEGE DISTRICT's academic calendar.

(13) These program requirements may be modified if the COLLEGE DISTRICT's requirements are changed. SCHOOL DISTRICT will be notified of any changes by the date designated on the COLLEGE DISTRICT'S master calendar.

### **COURSE CURRICULUM, INSTRUCTION AND GRADING**

Course content and scheduled contact hours will adhere to standards of the Texas Higher Education Coordinating Board (THECB). Dual credit courses will be taught and grades assessed according to standard collegiate practices. Students enrolled in dual credit courses will be provided academic support services, including library resources, available to any other COLLEGE DISTRICT student.

The COLLEGE DISTRICT shall provide a credentialed (meeting SACSCOC requirements) instructor to teach college-level courses, unless the COLLEGE DISTRICT and SCHOOL DISTRICT agree upon the SCHOOL DISTRICT'S providing an instructor for a specific course meeting both the COLLEGE DISTRICT and the SACSCOC accreditation requirements.

The COLLEGE DISTRICT will reimburse the SCHOOL DISTRICT in the amount of \$ 1,835.00 for a three credit hour course or \$ 2,448.00 for a four credit hour course. This payment will be made for the courses taught on a SCHOOL DISTRICT campus by the SCHOOL DISTRICT instructor and listed in this Agreement. The SCHOOL DISTRICT will provide the COLLEGE DISTRICT with an invoice based on this Agreement on or before thirty (30) days after the commencement of classes, and COLLEGE DISTRICT shall remit the reimbursement to the SCHOOL DISTRICT.

### **JOINT PLANNING**

The COLLEGE DISTRICT and SCHOOL DISTRICT will plan and schedule dual credit course offerings at least one year in advance in accordance with dual credit timeline. The COLLEGE DISTRICT and SCHOOL DISTRICT will utilize Attachment A to collaborate on strategic course offerings for students participating in the dual credit program toward college degree completion.

## **ACADEMIC ADVISING**

The COLLEGE DISTRICT shall offer academic advising services on South Campus, Northeast Campus, Northwest Campus, Southeast Campus, Trinity River Campus, and TCC Connect. The scope of services will include professional advisors offering support and guidance to diverse student populations seeking to achieve educational, career, and life goals. Advisors will offer students coursework information, inform them of college policies and procedures, the college mission, and career options. Academic advisors will partner with COLLEGE DISTRICT Coordinators of Dual Credit to align high school endorsements with college educational plans. The COLLEGE DISTRICT will contribute to student success by each campus introducing campus resources (<https://www.tccd.edu/services/campus-resources/>) and academic help <https://www.tccd.edu/academics/academic-help/> to all dual credit students.

The COLLEGE DISTRICT only provides mental health counseling services to dual credit students who are of the legal age to consent to services.

TCCD has established Pathways based on the Texas Education Agency high school graduation endorsement options:

- Science, Technology, Engineering and Mathematics (STEM)
- Business and Industry
- Public Service
- Arts and Humanities
- Multi-Disciplinary Studies

The College District and School District will collaborate to utilize the established endorsement Pathways and resources, and in guiding students toward college and career goals including but not limited to:

- Graduation Programs Side by Side
- Endorsement FAQs--March 2014
- Other HB5 FAQs



## STUDENT LEARNING MATERIALS AND COURSE SUPPLIES

Student Learning Material can include digital-based course materials, common learning materials (textbooks), and open education resources.

Throughout the duration of this Agreement (check appropriate box [es]):

### Learning Materials

☒ The SCHOOL DISTRICT will provide student learning materials for students

☐ Students are responsible for purchasing student learning materials  
Course Supplies

☒ Course supplies will be purchased/provided by the SCHOOL DISTRICT

☐ Students are responsible for purchasing course supplies

### TCC Plus (Please refer to Attachment C for detailed information on TCC Plus)

☒ The SCHOOL DISTRICT will pay all students' TCC Plus course charge(s)

☐ Students are responsible for TCC Plus course charge(s)

## TUITION AND FEES

(Please refer to Attachment C for detailed information on payment and deadlines for tuition and fees)

Throughout the duration of this Agreement (check appropriate box [es]):

☒ SCHOOL DISTRICT Pay: The SCHOOL DISTRICT will pay all students' tuition costs

☐ Self-Pay Student (not paid by the SCHOOL DISTRICT): Students are responsible for tuition costs

☐ Student Self-Pay and SCHOOL DISTRICT Pay: The SCHOOL DISTRICT will have both self-pay and SCHOOL DISTRICT pay students. By the payment deadline for each term, the SCHOOL DISTRICT will provide a list of students and courses they are agreeing to pay to TCC's Business Services Central Processes

☐ Third Party Pay (other than a SCHOOL DISTRICT): The following organization will be paying the cost of students' tuition. By the payment deadline for each term, the Organization will provide a list of students and courses they are agreeing to pay to TCC's Business Services Central Processes

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## **DUTIES OF THE COLLEGE DISTRICT**

The COLLEGE DISTRICT'S duties shall include, but not be limited to, the following:

- A. Assist students in the completion of admissions, testing, advising, and registration procedures.
- B. Record grades and make official transcripts available immediately upon course completion.
- C. Record attendance at each class session and make records available to the high school principal.
- D. Drop a student at the request of the high school or of the student and report the student's request to the high school representative.
- E. Ensure consistency of instruction and course content is in accordance with standards set by THECB, SACSCOC, and the COLLEGE DISTRICT. The COLLEGE DISTRICT will assign appropriate personnel to monitor and ensure adherence to such standards.
- F. Supervise and evaluate instructors of dual credit courses.
- G. Provide professional development of SCHOOL DISTRICT instructors teaching dual credit coursework.
- I. Inform students of Title IX training, #NotAnymore.

## **DUTIES OF THE SCHOOL DISTRICT**

The SCHOOL DISTRICT'S duties shall include, but not be limited to, the following:

- A. Plan and schedule dual credit courses at least one year in advance of offering courses by deadlines established by the COLLEGE DISTRICT.
- B. Provide a copy of the SCHOOL DISTRICT's annual calendar and official grade reporting dates.
- C. Work with the COLLEGE DISTRICT to align the high school curriculum with the college course syllabus, evaluate instructional materials, review student projects and reports, and discuss student problems as measures to provide assurance that dual credit courses represent college level content and the high school Texas Essential Knowledge and Skills.
- D. Provide support to COLLEGE DISTRICT'S faculty employed to teach dual credit courses in accordance with the rules and regulations of the THECB, TEA, and SACSCOC.
- E. Provide assistance to students regarding COLLEGE DISTRICT admissions, testing, advisement, and registration procedures.
- F. Provide evidence that students have successfully met the test score requirements to participate in the dual credit program.
- G. Screen students for supplementary requirements as established by the SCHOOL DISTRICT.
- H. Assign a district or campus contact person to assist with the coordination of duties related to the dual credit partnership between SCHOOL DISTRICT and COLLEGE DISTRICT in matters such as these:
  - (1) Student Texas Success Initiative ("TSI") exemption records;
  - (2) Advising of students with completion of all required COLLEGE DISTRICT admissions documents;
  - (3) Assist the COLLEGE DISTRICT with student orientation;
  - (4) Submit all student documentation by published due dates
  - (5) Serve as liaison to students, parents, high school personnel and COLLEGE DISTRICT personnel.

(6) Provide list of tuition sponsored students if applicable.

I. Ensure students have registered by the COLLEGE DISTRICT'S TCC Academic Calendar.

J. For classes taught at the high school locations, the SCHOOL DISTRICT must provide a collegiate environment for classes with adequate classroom facilities, technology, and ensure no disruption of college classes.

K. Work with COLLEGE DISTRICT to collaborate strategic course offerings for students participating in the dual credit program toward college degree completion through the term of the agreement.

### **AGREEMENT**

This Agreement sets forth the entire instructional agreement with respect to dual credit courses and students. It supersedes any prior dual credit agreement and shall be effective until changed by the Parties.

### **GOVERNING LAW**

This Agreement will be governed by and construed in accordance with the laws of the State of Texas, without regard to its conflicts of law provisions. The Parties agree that the state and federal courts sitting in Tarrant County, Texas will have exclusive jurisdiction over any claim arising out of this Agreement, and each Party consents to the exclusive jurisdiction of such courts.

### **RELATIONSHIP OF THE PARTIES**

In the performance of their respective duties hereunder, the Parties hereto and their respective employees and agents, are at all times acting and performing as independent contractors of each other. Notwithstanding the foregoing, employees of SCHOOL DISTRICT may teach dual credit courses as adjunct instructors of the COLLEGE DISTRICT or through some other teaching arrangement, if such arrangement is approved in writing and in advance by the Parties. No Party will have the authority to act for or bind another Party in any respect or to incur or assume any expense, debt, obligation, liability, tax, or responsibility on behalf of or in the name of another Party hereto. The Parties acknowledge and agree that no Party will be liable for the activities or another Party, including, but not limited to, any liabilities, losses, damages, suits, actions, fines, penalties, claims, or demands of any kind arising out of this Agreement.

### **LIABILITY**

It is not the intent or purpose to create liability against the COLLEGE DISTRICT, unless such liability is imposed by law, or to waive any legal defenses available to the COLLEGE DISTRICT or SCHOOL DISTRICT, including government immunity.

### **RIGHT OF REVOCATION**

Either Party may terminate this Agreement with or without cause on 120 days' written notice to the other Party. In the event that a Party believes that another Party has materially breached this Agreement, the non-breaching Party shall give written notice of the alleged breach to the breaching Party. The breaching Party shall have thirty days to cure the alleged breach from the date it receives written notice from the non-breaching Party. If the breach is not restored within thirty days, the non-breaching Party may terminate this Agreement immediately. However, if this Agreement is terminated during an academic term, students enrolled in classes under this Agreement will be allowed to finish their coursework without penalty. A breach of this Agreement includes, but is not limited to, a violation of the policies and rules of the COLLEGE DISTRICT or SCHOOL DISTRICT, the making of a misrepresentation or false statement by one of the Parties, or the occurrence of a conflict of interest between the Parties.

All notices and communications related to this Agreement shall be addressed to the respective educational administrators listed below:

COLLEGE DISTRICT

Elva LeBlanc, Ph.D.  
Executive Vice Chancellor-Provost  
Tarrant County College  
1500 Houston Street  
Fort Worth, Texas 76102

SCHOOL DISTRICT

Tamela Horton, Ph.D.  
Executive Director Transformational Learning  
Arlington Independent School District  
690 E. Lamar Blvd. Suite 110  
Arlington, Texas 76011  
With copy to:  
Arlington Independent School District  
Attn: Legal Department  
1203 W. Pioneer Pkwy  
Arlington, Texas 76013

Executed as of June 2, 2021, by COLLEGE DISTRICT, signed by its Chancellor and by SCHOOL DISTRICT, signed by its Superintendent, thereby bind themselves, their successors and assigns and representatives, for the faithful and full performance of the terms and provisions of this Agreement. Should either Party wish to terminate this Agreement for any reason other than breach of contract, notification must be given on or before May 1<sup>st</sup> for the termination to be effective the following academic year.

TARRANT COUNTY COLLEGE DISTRICT

By Eugene Giovannini  
Eugene Giovannini, Ed.D.  
Chancellor, Tarrant County College

ARLINGTON INDEPENDENT SCHOOL DISTRICT

By Marcelo Cavazos (SWT)  
Marcelo Cavazos, Ph.D.  
Superintendent of Schools  
Arlington Independent School District

**ATTACHMENT A**  
**COURSE CROSSWALK: PROGRAMS**  
**APPROVED/COURSE CURRICULUM**  
**GUIDE/ENDORSEMENT GUIDE/COURSE**  
**CROSSWALK**

## **Programs Approved**

Tarrant County College offers four associate degrees and a number of certificates of completion. A student may graduate by completing the catalog degree or certificate requirements in effect at the time of first enrollment at TCC, or those listed in a later catalog, provided the requirements are met not later than five years from the date of the catalog selected, the degree or certificate program and requisite courses are still being offered, and mandates of regulating agencies are satisfied.

### **General Requirements for an Associate Degree:**

1. Earn up to 60 college-level credit hours.
2. A minimum of 25 percent of the semester credit hours required for the degree must be earned in residence at TCC.
3. A minimum cumulative grade point average of 2.0 is required for all TCC courses.
4. A minimum grade point average of 2.0 is required for all courses presented for graduation.
5. All requirements of the degree must be satisfactorily completed.
6. Texas Success Initiative (TSI) requirements must be satisfactorily completed.
7. All financial obligations to the College must be met.
8. Students applying to receive a subsequent two-year degree must complete an additional 15 hours in residence.

### **General Requirements for a Certificate of Completion:**

1. A minimum of 25 percent of the semester credit hours required for the certificate must be earned in residence at TCC.
2. A minimum grade point average of 2.0 is required for all courses presented for graduation.
3. All requirements of the certificate must be satisfactorily completed.
4. Texas Success Initiative (TSI) requirements must be satisfactorily completed ONLY for TSI-liable certificates (requiring more than 42 semester hours).
5. All financial obligations to the College must be met.

The defined sequence of courses for an Associate of Arts (AA) degree is contained within the TCCD approved core curriculum. A defined sequence of courses for a Career and Technology (CTE) workforce program will be provided to ISDs, upon request. The following is a guide for core curriculum and sequence:

### **Core Curriculum and Semester Credit Hour (SCH) Requirements:**

Communication – 6 SCH

Mathematics – 3 SCH

Life and Physical Sciences – 8 SCH

Language, Culture and Philosophy – 3 SCH

Creative Arts – 3 SCH

American History – 6 SCH

Government and Political Science – 6 SCH

Social and Behavioral Science – 3 SCH

Component Area Option – 4 SCH – (KINE 1164 cannot be offered for dual credit)

Field of Study (FOS) – Senate Bill 148 of the 75th Texas Legislature (1997) mandated Field of Study curricula. The Field of Study curricula, along with core curricula, are intended to facilitate transferability of courses among Texas public colleges and universities. All public four-year institutions are required to accept Coordinating Board approved Field of Study courses in fulfillment of lower-division requirements for bachelor's degrees in majors that correspond to the Field of Study.

Fields of Study

Business Administration & Management

Communication:

Advertising & Public Relations

Journalism & Mass Communication

Radio & Television Broadcasting/Broadcast Journalism

Speech Communication

Computer Science

Engineering:

Civil Engineering

Electrical Engineering

Mechanical Engineering

Music

Nursing

Social Work

You should consult with an academic advisor about transferring to a specific college or university.



## Dual Credit Core Curriculum Course Guide

<b>English (6 Hours) Choose two courses</b>		
ENGL 1301*	ENGL 1302*	_____ 3 Hrs _____ 3 Hrs
<b>Speech (3 Hours) Choose one course</b>		
SPCH1315 Or SPCH 1321		_____ 3 Hrs
<b>Math (3 Hours) Choose one course</b>		
MATH 1314* (Algebraic Pathway) Or MATH 1342* (Non Algebraic Pathway) Or Math 1332+ (Non Algebraic Pathway)		_____ 3 Hrs
<b>Science (8 Hours) Choose two courses</b>		
BIOL 1408 (Non Science Majors) Or BIOL1406 (Science Majors)	BIOL 1409 (Non Science Majors) Or BIOL 1407 (Science Majors)	_____ 4 Hrs _____ 4 Hrs
<b>Creative Arts (3 Hours) Choose one course</b>		
ARTS 1301 Or MUSI 1306 Or DRAM 1301		_____ 3 Hrs
<b>Lang Culture &amp; Phil (3 Hours) Choose one course</b>		
ENGL 2322* Or ENGL 2327* Or ENGL 2323* Or ENGL 2328*		_____ 3 Hrs
<b>American History (6 Hours) Choose two courses</b>		
HIST 1301*	HIST 1302*	_____ 3 Hrs _____ 3 Hrs
<b>Government (6 Hours) Choose two courses</b>		
GOVT 2305* (Both Government courses required depending on transfer requirements. Check with College Advisor or High School Representative)	GOVT 2306* (Both Government courses required depending on transfer requirements. Check with College Advisor or High School Representative)	_____ 3 Hrs _____ 3 Hrs
<b>Behavior (3 Hours) Choose one course</b>		
PSYC 2301* SOCI 1301* ECON 2301		_____ 3 Hrs

Other college courses may or may not count for High school Credit.

\* TSI passing score required

**How to read course numbers: Example, ENGL 1301**

All have four-letter department abbreviations.

Each course has a four-digit number.

- The first digit indicates the level at which a course is taught, as follows:  
1=Freshman or introductory level.  
2=Sophomore or intermediate or advanced.
- The second digit indicates the **semester credit hour value** of the course.
- The third and fourth digits establish type of institution and course sequence.

# Texas HS Endorsements

## Students can choose from 5 endorsement areas

### Science, Technology, Engineering and Mathematics (STEM)

- Career and Technical Education (CTE) courses related to STEM
- Mathematics
- Science
- Computer Science
- Combination of no more than two of the categories listed above

### Business and Industry (one of the following or a combination of areas)

- Agriculture
- Arts
- Audio/Video
- Finance
- Marketing
- Food and Natural Resources
- Hospitality and Tourism
- Information Technology
- Manufacturing
- Technology Applications
- Architecture and Construction
- Technology and Communications
- Business Management and Administration
- Transportation or Distribution and Logistics
- English electives in public speaking, debate, advanced broadcast journalism, advanced journalism including newspaper and yearbook

### Public Service (one of the following)

- Human Services
- Law
- Corrections and Security
- Health Science
- Public Safety
- Education and Training
- Government and Public Administration
- Junior Reserve Officer Training Corps (JROTC)

### Arts and Humanities (one of the following)

- 2 levels each in two languages other than English (LOTE)
- 4 levels in the same LOTE
- Courses from one or two areas (music, theater, art, dance) in fine arts
- English electives not included in Business and Industry
- Social Studies
- American Sign Language (ASL)

### Multi-Disciplinary Studies (one of the following)

- 4 advanced courses from other endorsement areas
- 4 credits in each foundation subject area, including English IV and chemistry and/or physics
- 4 credits in Advanced Placement, International Baccalaureate, or dual credit selected from English, mathematics, science, social studies, economics, LOTE or fine arts

\*Visit your school counselor to learn more about your options.  
Students may earn more than one endorsement.

# TCC Pathways

STEM

Business & Industry

Human & Public Service

Arts & Humanities

Health Science

## DUAL CREDIT COURSE CROSSWALK

### (In Collaboration With High School Representative)

9 <sup>th</sup> Grade		10 <sup>th</sup> Grade		11 <sup>th</sup> Grade		12 <sup>th</sup> Grade	
High School	English I or II	English I or II	English II or *III	English II or *III	*English III or IV	*English III or IV	*English IV or *English Elective
	Algebra I or Geometry	Algebra I or Geometry	Geometry or Algebra II	Geometry or Algebra II	Algebra II or *Pre-Calculus	Algebra II or *Pre-Calculus	*Pre-Calculus or *Calculus or *Statistics
	*AP Human Geography	*AP Human Geography	*AP World History	*AP World History	*AP US History	*AP US History	*Government
	Biology	Biology	Chemistry	Chemistry	Physics	Physics	
College					<input type="checkbox"/> *ENGL 1301 (PEIMS CODE)	<input type="checkbox"/> *ENGL 1302 (PEIMS CODE)	
			<input type="checkbox"/> SPCH1315 (PEIMS CODE) or <input type="checkbox"/> SPCH 1321 (PEIMS CODE)	<input type="checkbox"/> ARTS 1301 (PEIMS CODE) or <input type="checkbox"/> MUSI 1306 (PEIMS CODE) or <input type="checkbox"/> DRAM1310 (PEIMS CODE)	<input type="checkbox"/> *HIST 1301 (PEIMS CODE)	<input type="checkbox"/> *HIST 1302 (PEIMS CODE)	<input type="checkbox"/> *ENGL 2322 (PEIMS CODE) or <input type="checkbox"/> *ENGL 2323 (PEIMS CODE) or <input type="checkbox"/> *ENGL 2327 (PEIMS CODE) or <input type="checkbox"/> *ENGL 2328 (PEIMS CODE) or <input type="checkbox"/> *ENGL 2332 (PEIMS CODE) or <input type="checkbox"/> *ENGL 2333 (PEIMS CODE)
							<input type="checkbox"/> *MATH 1342 (PEIMS CODE) or <input type="checkbox"/> *MATH 1314 (PEIMS CODE) or <input type="checkbox"/> *MATH 1332 (PEIMS CODE)
							<input type="checkbox"/> *GOVT 2305 (PEIMS CODE)
							<input type="checkbox"/> *PSYC 2301 (PEIMS CODE) or <input type="checkbox"/> *SOCI 1301 (PEIMS CODE) or <input type="checkbox"/> *ECON 2301 (PEIMS CODE)
	*TSI Passing Score Required (PEIMS CODE)		Two Lab Science Options dependent on College Major - <input type="checkbox"/> BIOL 1408 (PEIMS CODE), <input type="checkbox"/> BIOL 1409 (PEIMS CODE), or <input type="checkbox"/> BIOL 1406 (PEIMS CODE), <input type="checkbox"/> BIOL 1407 (PEIMS CODE), or <input type="checkbox"/> BIOL 2401 (PEIMS CODE), <input type="checkbox"/> BIOL 2402 (PEIMS CODE)				

The COLLEGE DISTRICT and SCHOOL DISTRICT will utilize Attachment A to collaborate strategic course offerings for students participating in the dual credit program toward college degree completion through the term of the agreement. Career and Technical Education (CTE) program requirements will be provided for CTE course offerings.

**ATTACHMENT B**  
**GUIDELINES FOR DUAL CREDIT PARTNERSHIPS**



## TARRANT COUNTY COLLEGE

### Guidelines for Dual Credit Partnerships

January 2019

The following program guidelines are in accordance with the Texas Higher Education Coordinating Board (THECB) rules and regulations Chapter 4: Subchapter D of Texas Administrative Code (TAC). Tarrant County College (TCC) adheres to these guidelines when partnering with a school district whether public, private, charter, or home school for the delivery of a dual credit program. In the event that THECB rules change during an agreement's time period, the THECB new rules will always take precedence. It is the responsibility of the partnering institutions to review, exercise, and monitor program guidelines on a consistent basis.

These guidelines address course credit where instruction is provided to high school students for the awarding of both high school academic requirements and college semester credit hours leading to a certificate, degree or the core curriculum. They also address instruction provided to high school students for remedial coursework to prepare for the Texas Success Initiative (TSI) assessment.

An agreement must be approved by the governing boards or designated authorities of both TCC and the school district (public, private, charter, or home school) prior to the offering of courses. Such agreement will address the following considerations:

#### **A. Student Eligibility**

- (1) A high school student is eligible to enroll in dual credit courses at TCC if he or she:
  - (a) Demonstrates college readiness by achieving the minimum passing standards under the provisions of the Texas Success Initiative (TSI) as set forth in Chapter 4: Subchapter C; Rule 4.57 (TAC) and Adult Basic Education (ABE) standards on relevant section(s) of an assessment instrument approved by the Board as set forth in (Chapter 4: Subchapter C; Rule 4.56 TAC).
  - (b) Demonstrates that he/she is exempt under the provisions of the Texas Success Initiative (Chapter 4: Subchapter C; Rule 4.54 TAC). However, a student who is granted a TSI waiver to take dual credit courses while still in high school based on eligible scores is not exempt from TSI or TCC course prerequisite requirements. Some TCC course prerequisites could require a higher cut score than those outlined by the THECB TSI state minimum requirements.
  - (c) Meets all the college's regular prerequisite requirements designated for that course (e.g., minimum score on a specified placement test, minimum grade in a specified previous course, etc.).
- (2) A high school student is also eligible to enroll in **academic dual credit** courses that require demonstration of TSI college readiness in **reading and/or writing** under the following conditions:
  - (a) If the student achieves a Level 2 final recommended score, as defined by the Texas Education Agency (TEA), on the English II STAAR EOC reading and/writing; or
  - (b) The student achieves a combined score of 107 on the PSAT/NMSQT with a minimum of 50 on the reading test administered prior to October 15, 2015; or a score of 460 on the



## TARRANT COUNTY COLLEGE

### Guidelines for Dual Credit Partnerships

evidenced-based reading and writing (EBRW) test on a PSAT/NMSQT exam administered on or after October 15, 2015; or

(c) The student achieves a composite score of 23 on the PLAN with a 19 or higher in English or an English score of 435 on the ACT-Aspire.

(3) A high school student is also eligible to enroll in **academic dual credit** courses that require demonstration of TSI college readiness in **mathematics** under the following conditions:

(a) If the student achieves a Level 2 final recommended score, as defined by TEA, on the Algebra I STAAR EOC and passing grade in the Algebra II course; or

(b) The student achieves a Level 2 final recommended score, as defined by TEA, on the Algebra II STAAR EOC; or

(c) The student achieves a combined score of 107 on the PSAT/NMSQT with a minimum of 50 on the mathematics test administered prior to October 15, 2015 ; or a score of 510 on the mathematics test on a PSAT/NMSQT exam administered on or after October 15, 2015; or

(d) If the student achieves a composite score of 23 on the PLAN with a 19 or higher in mathematics or a mathematics score of 431 on the ACT-Aspire.

(4) A high school student is eligible to enroll in **workforce education dual credit** courses contained in a **Level 1** certificate program, or a program leading to a credential of less than a Level 1 certificate, at a public junior college or public technical institute and shall not be required to provide demonstration of college readiness or dual credit enrollment eligibility.

(5) A high school student is eligible to enroll in **workforce education dual credit** courses contained in a **Level 2** certificate or **applied associate degree** program under the same eligibility conditions as academic dual credit courses.

(6) A student exempt from taking STAAR EOC assessments may be otherwise evaluated by an institution to determine eligibility for enrolling in **workforce education dual credit** courses.

(7) Students who are enrolled in private or non-accredited secondary schools or who are home-schooled must satisfy paragraphs (1) - (5) of this subsection.

(8) It is recommended high school students may enroll in a maximum of 15 credit hours per semester in fall and spring courses that apply to a certificate, degree, or the core curriculum with approval from the high school and college. Exceptions to this requirement for students with demonstrated outstanding academic performance and capability (as evidenced by grade-point average, ACT or SAT scores, or other assessment indicators) may be approved by the principal or designee of the high school and the Vice President for Academic Affairs of the TCC Campus. **It is recommended that students in their first semester of dual credit enroll in a maximum of two courses.**

## **TARRANT COUNTY COLLEGE**

### **Guidelines for Dual Credit Partnerships**

- (9) Students must follow the TCC catalog “Academic Standing” policy (see TCC college catalog).
- (10) TCC may impose additional requirements for enrollment in courses for dual credit that do not conflict with this section.
- (11) TCC is not required, under the provisions of this section, to offer dual credit courses for high school students.

#### **B. Eligible Courses**

- (1) Courses offered for credit where instruction is provided to high school students for the awarding of both high school academic requirements and college semester credit hours apply to the core curriculum, career and technology education courses toward a TCC career and technology Certificate or Associate of Applied Science degree, a foreign language, or a course that satisfies specific degree plan requirements leading to the completion of a TCCD Associate of Arts, Associate of Science, Associate of Applied Science Field of Study or Program of Study.
- (2) Courses offered for dual credit by TCC must be identified as college-level academic courses in the current edition of the Lower Division Academic Course Guide Manual (ACGM) adopted by the Board, or as college-level workforce education courses in the current edition of the Workforce Education Course Manual (WECM) adopted by the Board.
- (3) Courses offered for dual credit by TCC must be in the approved undergraduate course inventory of the college.
- (4) In accordance with the THECB rules, TCC does not offer remedial and developmental courses for dual credit.

#### **C. Location of Class**

- (1) Dual credit courses may be taught on the college campus or on the high school campus. Dual credit courses taught exclusively to high school students on the high school campus and for dual credit courses taught electronically, TCC shall comply with applicable rules and procedures for offering courses at a distance as set forth in (Chapter 4; Subchapters P and Q; Rules 4.255-4.279 TAC) (relating to Approval of Distance Education Courses and Programs for Public Institutions and Approval of Off-Campus and Self-Supporting Courses and Programs for Public Institutions). In addition, dual credit courses taught electronically shall comply with the THECB's adopted Principles of Good Practice for Courses Offered Electronically.
- (2) For classes taught at the high school locations, the SCHOOL DISTRICT must provide a collegiate environment for classes which includes adequate classroom facilities, technology, and ensures no disruption of college classes for announcements, pep rallies, etc., or removal of students from class to participate in high school related activities.
- (3) TCC will meet Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) requirements for offering dual credit courses taught at the high school campus and all off-site locations. (Substantive Change for SACSCOC Accredited Institutions)





## **TARRANT COUNTY COLLEGE**

### **Guidelines for Dual Credit Partnerships**

#### **D. Composition of Class**

(1) Dual credit courses may be composed of dual credit students only or of dual and college credit students. Exceptions for a mixed class, which would also include high school credit only students, may be allowed only under one of the following conditions:

(a) If the course involved is required for completion under the State Board of Education Foundation or Foundation with Endorsements High School Program graduation requirements, and the high school involved is otherwise unable to offer such a course.

(b) If the high school credit-only students are College Board Advanced Placement (AP) students.

(c) If the course is a career and technology/college workforce education course and the high school credit-only students are earning articulated college credit.

#### **E. Faculty Selection, Supervision, and Evaluation**

(1) TCC shall select instructors of dual credit courses. All instructors must meet the same standards (including minimal requirements of the Southern Association of Colleges and Schools) and approval procedures used by the college.

(2) TCC shall supervise and evaluate instructors of dual credit courses.

#### **F. Course Curriculum, Instruction, and Grading**

(1) TCC shall ensure that a dual credit course and the corresponding course offered at the main campus of the college are equivalent with respect to the curriculum, materials, instruction, and method/rigor of student evaluation. These standards must be upheld regardless of the student composition of the class.

#### **G. Academic Policies and Student Support Services**

(1) Regular academic policies apply to dual credit courses. These policies include but are not limited to the appeal process for disputed grades, drop policy, the communication of grading policy to students, when the syllabus must be distributed, etc.

(2) Students in dual credit courses have access to student support services. TCC is responsible for ensuring timely and efficient access to such services (e.g., academic advising and counseling), to learning materials (e.g., library resources), and to other benefits for which the student may be eligible.

(3) Dual credit students must abide by all TCC policies and procedures as outlined in the current **Academic Catalog/Student Handbook**.

(4) In compliance with the Americans with Disabilities Act (ADA) of 1990, as amended, and Section 504 of the Rehabilitation Act of 1973, Student Accessibility Resources (SAR) provides equal access to College programs, services and activities for qualified students with disabilities. Requests for an accommodation/equal access are reviewed on a case-by-case basis, and are determined based on the functional limitations caused by the disability and the supporting documentation provided.

(a) Otherwise qualified high school students enrolled in the dual credit program are eligible

for services on the same basis as all other students. Documentation submitted must meet the college criteria whether the class is held on a TCC campus or at a high school site. Faculty must not extend accommodations until authorized by the College. The TCC Campus Coordinator of SAR will authorize appropriate accommodations.

(b) Students and their parents should be aware that the needs of students with disabilities are covered under the Family Educational Rights and Privacy Act (FERPA) and the ADA at the college level. The laws pertaining to section 504 of the Rehabilitation Act of 1973 at the K-12 level do not apply. Matters related to the provision of accommodations under ADA should be discussed with the Campus Coordinator of SAR.

#### **H. Transcribing of Credit**

(1) For dual credit courses, high school as well as college credit should be transcribed immediately upon a student's completion of the performance required in the course.

#### **I. Funding**

(1) The state funding for dual credit courses will be available to both public school districts and colleges based on the current funding rules of the State Board of Education and the Board.

(2) The college may claim funding for students getting college credit in core curriculum, career and technical education, and foreign language dual credit courses.

(3) This provision does not apply to students enrolled in approved early college high school programs.

(4) All public colleges, universities, and health-related institutions may waive all or part of tuition and fees for a Texas high school student enrolled in a course for which the student may receive dual course credit.

**Attachment C:**  
**TUTION AND FEES/TCC PLUS**

## Tuition and Fees/TCC Plus

The payment of all tuition and fees becomes the obligation of the responsible party upon registration of courses at the COLLEGE DISTRICT. The student has not officially completed the registration process until payment has been made in full, an agreement to pay has been submitted by the SCHOOL DISTRICT or Third Party Payer, a payment plan has been completed, or the student has sufficient financial aid funds available by the payment deadline. The responsible party will be required to acknowledge the COLLEGE DISTRICT'S Financial Responsibility Agreement every 120 days. A SCHOOL DISTRICT'S student financial responsibility is the same as any other student enrolled at the COLLEGE DISTRICT.

Tuition costs include tuition and fees based on the rate per credit hour, TCC Plus (digital course materials), third attempt, or any other charge applied at the time of registration.

- **Self-Pay Student:** The SCHOOL DISTRICT and the self-pay student understands that failure of a self-pay student to pay his/her tuition by the payment deadline may result in the student being dropped from his/her course(s) based on the Texas Higher Education Coordinating Board's regulation for tuition payments. Payment reminders will be sent to the student through his/her COLLEGE DISTRICT email address and to the SCHOOL DISTRICT. Please see the COLLEGE DISTRICT website for payment deadlines.
- **SCHOOL DISTRICT Pay/Third Party Payer:** The SCHOOL DISTRICT Pay/Third Party Payer understands that failure to provide the COLLEGE DISTRICT the list of SCHOOL DISTRICT Pay/Third Party Payer students and courses by the payment deadline may result in students being dropped from their course(s) based on the Texas Higher Education Coordinating Board's regulations for tuition payments. The COLLEGE DISTRICT will invoice the SCHOOL DISTRICT/Third Party Payer based on the student's residency status and number of semester hours enrolled at the census date (official day of record). Payment is due within 30 days of receipt of the invoice.
  - \_\_\_\_\_ Maximum number of semester hours in Fall or Spring term paid by SCHOOL DISTRICT
  - \_\_\_\_\_ Maximum number of semester hours in Summer term paid by SCHOOL DISTRICT
  - Exceptions: Any changes to the above agreement for any given student/term, must be submitted in writing prior to the census date (official day of record).
  - Any additional semester hours are the responsibility of the student

A self-pay student, SCHOOL DISTRICT, or Third Party Payer may still be responsible for payment of any non-refundable tuition for a dropped course according to the COLLEGE DISTRICT'S refund schedule. The SCHOOL DISTRICT or Third Party Payer also understands that this is an agreement to pay the COLLEGE DISTRICT. Therefore, the SCHOOL DISTRICT or Third Party Payer agrees to pay for a student's tuition costs even if the student does not successfully complete the course(s), use available TCC Plus digital learning materials (when applicable), or follow through with his/her agreement with the SCHOOL DISTRICT or Third Party Payer.

When applicable, TCC Plus charges are included as an additional line item on the student's invoice. The student has the option to opt-out of receiving the digital materials through the course census date (official day of record). The self-pay student, SCHOOL DISTRICT, or Third Party Payer understands that opting out of receiving the materials will remove the additional line item from the total tuition costs AND access to the digital learning materials. The student, SCHOOL DISTRICT, or Third Party Payer further understands that any unpaid TCC Plus charges will result in restrictions on future registration activity and transcript issuance. Furthermore, the TCC Plus charge will be applied every time the student enrolls in a

course that includes TCC Plus materials, even if the student did not successfully complete the course in prior attempts. The additional course charge for TCC Plus, will be the responsibility of the Self-Pay student, SCHOOL DISTRICT, or Third Party Payer, even if the student receives an exemption or waiver for tuition.

The Self-Pay student, SCHOOL DISTRICT, or Third Party Payer understands that any outstanding balances on a student's account (tuition costs, parking or library fines, etc.) may result in a registration restriction being placed on the student's account.

**DUAL CREDIT COURSE CROSSWALK**  
**(In Collaboration With High School Representative)**

9 <sup>th</sup> Grade		10 <sup>th</sup> Grade		11 <sup>th</sup> Grade		12 <sup>th</sup> Grade		
High School	English I or II	English I or II	English II or *III	English II or *III	*English III or IV	*English III or IV	*English IV or *English Elective	*English IV or *English Elective
	Algebra I or Geometry	Algebra I or Geometry	Geometry or Algebra II	Geometry or Algebra II	Algebra II or *Pre-Calculus	Algebra II or *Pre-Calculus	*Pre-Calculus or *Calculus or *Statistics	* Pre-Calculus or *Calculus or *Statistics
	*AP Human Geography	*AP Human Geography	*AP World History	*AP World History	*AP US History	*AP US History	*Government	Economics
	Biology	Biology	Chemistry	Chemistry	Physics	Physics		
College							<input checked="" type="checkbox"/> *ENGL 1301 (03220300)	<input checked="" type="checkbox"/> *ENGL 1302 (03220300)
					<input checked="" type="checkbox"/> *HIST 1301 (03340100)	<input checked="" type="checkbox"/> *HIST 1302 (03340100)	<input checked="" type="checkbox"/> *GOVT 2305 (033330100)	<input checked="" type="checkbox"/> ECON 2301 (03310300)
					<input checked="" type="checkbox"/> *SOCI 1301 (03370100)	<input checked="" type="checkbox"/> *PSYC 2301 (03350100)	<input type="checkbox"/> *SOCI 1301 (03370100)	<input checked="" type="checkbox"/> *PSYC 2301 (03350100)
					<input checked="" type="checkbox"/> *MATH 1342 (03102530)	<input checked="" type="checkbox"/> *GOVT 2306 (03380001)	<input checked="" type="checkbox"/> *MATH 1342 (03102530)	<input checked="" type="checkbox"/> *GOVT 2306 (03380001)
	*TSI Passing Score Required (PEIMS CODE)		Two Lab Science Options dependent on College Major - <input type="checkbox"/> BIOL 1408 (PEIMS CODE), <input type="checkbox"/> BIOL 1409 (PEIMS CODE), or <input type="checkbox"/> BIOL 1406 (PEIMS CODE), <input type="checkbox"/> BIOL 1407 (PEIMS CODE), or <input type="checkbox"/> BIOL 2401 (PEIMS CODE), <input type="checkbox"/> BIOL 2402 (PEIMS CODE)					

**The COLLEGE DISTRICT and SCHOOL DISTRICT will utilize Attachment A to collaborate strategic course offerings for students participating in the dual credit program toward college degree completion through the term of the agreement. Career and Technical Education (CTE) program requirements will be provided for CTE course offerings.**

## DUAL CREDIT COURSE CROSSWALK (Accounting Assistant I) (In Collaboration With High School Representative)

	9 <sup>th</sup> Grade		10 <sup>th</sup> Grade		11 <sup>th</sup> Grade		12 <sup>th</sup> Grade	
High School	English I or II	English I or II	English II or *III	English II or *III	*English III or IV	*English III or IV	*English IV or *English Elective	*English IV or *English Elective
	Algebra I or Geometry	Algebra I or Geometry	Geometry or Algebra II	Geometry or Algebra II	Algebra II or *Pre-Calculus	Algebra II or *Pre-Calculus	*Pre-Calculus or *Calculus or *Statistics	*Pre-Calculus or *Calculus or *Statistics
	*AP Human Geography	*AP Human Geography	*AP World History	*AP World History	*AP US History	*AP US History	*Government	Economics
	Biology	Biology	Chemistry	Chemistry	Physics	Physics		
College					☒ ACCT 2301 (13016800)  ☒ BMGT 1305 (13009900)	☒ BCIS 1305 (13011400)  ☒ Elective**	☒ ACNT 1313 (13016600)	

**The COLLEGE DISTRICT and SCHOOL DISTRICT will utilize Attachment A to collaborate strategic course offerings for students participating in the dual credit program towards college degree completion through the term of the agreement. Career and Technical Education (CTE) program requirements will be provided for CTE course offerings.**

### Accounting Assistant I

Level 1 Certificate of Completion

BUAD.TA01.UG • Northeast Campus, Northwest Campus, South Campus, Southeast Campus and TCC Connect Campus

Program Requirements

Fall Term

ACCT 2301 - Principles of Financial Accounting +

BCIS 1305 - Business Computer Applications +

Choose one from the following:

ENGL 1301 - Composition I + or

BMGT 1305 - Communications in Management or

MATH 1332 - Contemporary Mathematics (Quantitative Reasoning) + or

MATH 1314 - College Algebra + or

MATH 1316 - Plane Trigonometry + or

MATH 1324 - Mathematics for Business and Social Sciences + or

MATH 1342 - Elementary Statistical Methods +



ACNT 1313 - Computerized Accounting Applications (Capstone) \*  
Approved Elective Semester Hours: 3 \*\*

Total Certificate Hours: 15

\* Capstone is taken at the end of the program.

\*\* Approved Electives for all programs must be chosen from subjects ACNT, BMGT, BUSG, BUSI, COSC, ECON, FSHN, GISC, HRPO, IBUS, ITCC, ITNW, ITSE, ITSC, ITSW, LMGT, MRKG or RELE. COSC 1301 may not be used as an elective.

## DUAL CREDIT COURSE CROSSWALK (Architectural CAD Operator) (In Collaboration With High School Representative)

	9 <sup>th</sup> Grade		10 <sup>th</sup> Grade		11 <sup>th</sup> Grade		12 <sup>th</sup> Grade	
High School	English I or II	English I or II	English II or *III	English II or *III	*English III or IV	*English III or IV	*English IV or *English Elective	*English IV or *English Elective
	Algebra I or Geometry	Algebra I or Geometry	Geometry or Algebra II	Geometry or Algebra II	Algebra II or *Pre-Calculus	Algebra II or *Pre-Calculus	*Pre-Calculus or *Calculus or *Statistics	*Pre-Calculus or *Calculus or *Statistics
	*AP Human Geography	*AP Human Geography	*AP World History	*AP World History	*AP US History	*AP US History	*Government	Economics
	Biology	Biology	Chemistry	Chemistry	Physics	Physics		
College					☒ ARCH 1315 (13004210)	☒ ARCH 1303 (13004600)	☒ ARCE 2352 (13004700)	☒ ARCH 1307 (13004210)
					☒ ARCH 1304 (13004700)	☒ ARCH 2312 (13004700)		☒ ARCH 1308 (13004700)

The COLLEGE DISTRICT and SCHOOL DISTRICT will utilize Attachment A to collaborate strategic course offerings for students participating in the dual credit program towards college degree completion through the term of the agreement. Career and Technical Education (CTE) program requirements will be provided for CTE course offerings.

### Architectural CAD Operator

Level 1 Certificate of Completion

ARCH.T001.UG • South Campus

#### Program Requirements

##### Summer Term

ARCH 1315 - Architectural Computer Graphics +

##### Fall Term

ARCH 1303 - Architectural Design I +

ARCH 2312 - Architectural Technology +

##### Spring Term

ARCH 1304 - Architectural Design II +

ARCE 2352 - Mechanical and Electrical Systems

Choose one from the following:

ARCH 1307 - Architectural Graphics I +

ARCH 1308 - Architectural Graphics II + (Capstone)\*

Total Certificate Hours: 18

\* Capstone should be taken during the graduating semester.

## DUAL CREDIT COURSE CROSSWALK (Building Technology) (In Collaboration With High School Representative)

9 <sup>th</sup> Grade		10 <sup>th</sup> Grade		11 <sup>th</sup> Grade		12 <sup>th</sup> Grade	
High School	English I or II	English I or II	English II or *III	English II or *III	*English III or IV	*English III or IV	*English IV or *English Elective
	Algebra I or Geometry	Algebra I or Geometry	Geometry or Algebra II	Geometry or Algebra II	Algebra II or *Pre-Calculus	Algebra II or *Pre-Calculus	*Pre-Calculus or *Calculus or *Statistics
	*AP Human Geography	*AP Human Geography	*AP World History	*AP World History	*AP US History	*AP US History	*Government
	Biology	Biology	Chemistry	Chemistry	Physics	Physics	Economics
College					<input checked="" type="checkbox"/> *ENGL 1301 (03220300) <input checked="" type="checkbox"/> DFTG 1305 (N1300429) <input checked="" type="checkbox"/> BCIS 1305 (13011400) or <input checked="" type="checkbox"/> COSC 1301 (03580140)	<input checked="" type="checkbox"/> DFTG 1409 (N1300429) <input checked="" type="checkbox"/> DFTG 1417 (13004600)	<input checked="" type="checkbox"/> DFTG 2428 (13004600) <input checked="" type="checkbox"/> DFTG 2431 (13004700)
							<input checked="" type="checkbox"/> DFTG 2438 (13004800)

The COLLEGE DISTRICT and SCHOOL DISTRICT will utilize Attachment A to collaborate strategic course offerings for students participating in the dual credit program towards college degree completion through the term of the agreement. Career and Technical Education (CTE) program requirements will be provided for CTE course offerings.

### Building Technology

Level 1 Certificate

CADD.T008.UG • South

### Program Requirements

#### Fall Term

DFTG 1305 - Introduction to Technical Drawing

Choose one from the following:

BCIS 1305 - Business Computer Applications + or

COSC 1301 - Introduction to Computing +

DFTG 1409 - Basic Computer-Aided Drafting

ENGL 1301 - Composition I +

Spring Term

DFTG 1417 - Architectural Drafting-Residential

DFTG 2428 - Architectural Drafting - Commercial

DFTG 2431 - Advanced Technologies in Architectural Design and Drafting

DFTG 2438 - Final Project - Advanced Drafting (Capstone)

Total Certificate Hours: 29

## DUAL CREDIT COURSE CROSSWALK (Business I) (In Collaboration With High School Representative)

9 <sup>th</sup> Grade		10 <sup>th</sup> Grade		11 <sup>th</sup> Grade		12 <sup>th</sup> Grade	
High School	English I or II	English I or II	English II or *III	English II or *III	*English III or IV	*English III or IV	*English IV or *English Elective
	Algebra I or Geometry	Algebra I or Geometry	Geometry or Algebra II	Geometry or Algebra II	Algebra II or *Pre-Calculus	Algebra II or *Pre-Calculus	*Pre-Calculus or *Calculus or *Statistics
	*AP Human Geography	*AP Human Geography	*AP World History	*AP World History	*AP US History	*AP US History	*Government
	Biology	Biology	Chemistry	Chemistry	Physics	Physics	Economics
College					<input checked="" type="checkbox"/> ACCT 2301 (13016800) <input checked="" type="checkbox"/> MRKG 1311 (13011200) or <input checked="" type="checkbox"/> MRKG 2333 (12701500)	<input checked="" type="checkbox"/> BUSI 1301 (13011200) <input checked="" type="checkbox"/> ECON 2301 (03380021)	<input checked="" type="checkbox"/> ACCT 2302 (13016700) <input checked="" type="checkbox"/> ECON 2302 (03380001)
							<input checked="" type="checkbox"/> BUSI 2301 (13011700) <input checked="" type="checkbox"/> Elective **

The COLLEGE DISTRICT and SCHOOL DISTRICT will utilize Attachment A to collaborate strategic course offerings for students participating in the dual credit program towards college degree completion through the term of the agreement. Career and Technical Education (CTE) program requirements will be provided for CTE course offerings.

### Business I

Level 1 Certificate of Completion  
BUAD.T011.UG • All Campuses

### Program Requirements

#### Fall Term

ACCT 2301 - Principles of Financial Accounting +  
 BUSI 1301 - Business Principles +  
 ECON 2301 - Principles of Macroeconomics +

Choose one from the following:

MRKG 1311 - Principles of Marketing or  
 MRKG 2333 - Principles of Selling

#### Spring Term

ACCT 2302 - Principles of Managerial Accounting +  
 ECON 2302 - Principles of Microeconomics +

Approved Elective Semester Hours: 3 \*\*  
BUSI 2301 - Business Law + (Capstone) \*

Total Certificate Hours: 24

\* Capstone is taken during the semester of certificate completion.

\*\* Approved Electives for all programs must be chosen from subjects ACNT, BMGT, BUSG, BUSI, COSC, ECON, FSHN, GISC, HRPO, IBUS, ITCC, ITNW, ITSE, ITSC, ITSW, LMGT, MRKG or RELE. COSC 1301 may not be used as an elective.



## DUAL CREDIT COURSE CROSSWALK (CNC Machinist Technology)

### (In Collaboration With High School Representative)

	9 <sup>th</sup> Grade		10 <sup>th</sup> Grade		11 <sup>th</sup> Grade		12 <sup>th</sup> Grade	
High School	English I or II	English I or II	English II or *III	English II or *III	*English III or IV	*English III or IV	*English IV or *English Elective	*English IV or *English Elective
	Algebra I or Geometry	Algebra I or Geometry	Geometry or Algebra II	Geometry or Algebra II	Algebra II or *Pre-Calculus	Algebra II or *Pre-Calculus	*Pre-Calculus or *Calculus or *Statistics	*Pre-Calculus or *Calculus or *Statistics
	*AP Human Geography	*AP Human Geography	*AP World History	*AP World History	*AP US History	*AP US History	*Government	Economics
	Biology	Biology	Chemistry	Chemistry	Physics	Physics		
College					☒ DFTG 1305 (N1300429) ☒ DFTG 1409 (N1300429)	☒ MCHN 1338 (1303200) ☒ DFTG 2440 (13032500)	☒ MCHN 2303 (13032700) ☒ MCHN 2434 (13032500)	☒ MCHN 2431 (13032600)

The COLLEGE DISTRICT and SCHOOL DISTRICT will utilize Attachment A to collaborate strategic course offerings for students participating in the dual credit program towards college degree completion through the term of the agreement. Career and Technical Education (CTE) program requirements will be provided for CTE course offerings.

#### CNC Machinist Technology

Level 1 Certificate

CADD.T012.UG • South

#### Program Requirements

##### Fall Term

DFTG 1305 - Introduction to Technical Drawing

MCHN 1338 - Basic Machine Shop I

DFTG 1409 - Basic Computer-Aided Drafting

DFTG 2440 - Solid Modeling and Design

##### Spring Term

MCHN 2303 - Fundamentals of Computer Numerical Controlled (CNC) Machine Controls

MCHN 2434 - Operation of CNC Machining Centers

MCHN 2431 - Operation of CNC Turning Centers

Total Certificate Hours: 25

## DUAL CREDIT COURSE CROSSWALK (Criminal Justice) (In Collaboration With High School Representative)

9 <sup>th</sup> Grade		10 <sup>th</sup> Grade		11 <sup>th</sup> Grade		12 <sup>th</sup> Grade	
High School	English I or II	English I or II	English II or *III	English II or *III	*English III or IV	*English III or IV	*English IV or *English Elective
	Algebra I or Geometry	Algebra I or Geometry	Geometry or Algebra II	Geometry or Algebra II	Algebra II or *Pre-Calculus	Algebra II or *Pre-Calculus	*Pre-Calculus or *Calculus or *Statistics
	*AP Human Geography	*AP Human Geography	*AP World History	*AP World History	*AP US History	*AP US History	*Government
	Biology	Biology	Chemistry	Chemistry	Physics	Physics	Economics
College					☒ *ENGL 1301 (03220300) ☒ CRIJ 1301 (13029200)	☒ CRIJ 1307 (13029300) ☒ CRIJ 2313 (13029700)	☒ CRIJ 1310 (13029200) ☒ CRIJ 2328 (13029300)
							☒ CRIJ 2314 (13029550) ☒ CRIJ 2323 (13029400) ☒ Elective*

The COLLEGE DISTRICT and SCHOOL DISTRICT will utilize Attachment A to collaborate strategic course offerings for students participating in the dual credit program towards college degree completion through the term of the agreement. Career and Technical Education (CTE) program requirements will be provided for CTE course offerings.

### Criminal Justice, AAS

Associate of Applied Science Degree

CRIM.D001.UG • Northwest

### Program Requirements

First Year

Fall Term

CRIJ 1301 - Introduction to Criminal Justice + FOS

CRIJ 1310 - Fundamentals of Criminal Law + FOS

ENGL 1301 - Composition I +

SOCI 1301 - Introduction to Sociology +

Mathematics or Life and Physical Sciences Elective Semester Hours: 3 \*\*

Spring Term

CRIJ 1307 - Crime in America +  
CRIJ 2328 - Police Systems and Practices + FOS  
Creative Art/Language, Philosophy and Culture Semester Hours: 3 \*\*  
CRIJ 2313 - Correctional Systems and Practices + FOS

Choose one from the following:  
SPCH 1321 - Business and Professional Communication + or  
SPCH 1311 - Introduction to Speech Communication + or  
SPCH 1315 - Public Speaking +

#### Summer Term

GOVT 2306 - Texas Government (Texas Constitution & Topics) +

#### Second Year

##### Fall Term

CRIJ 2323 - Legal Aspects of Law Enforcement +  
GOVT 2305 - Federal Government (Federal Constitution & Topics) +  
Approved Electives Semester Hours: 3 \*  
ENGL 1302 - Composition II +

##### Spring Term

CRIJ 2314 - Criminal Investigation +  
CRIJ 1306 - Court Systems and Practices + FOS

Choose one from the following:  
CJSA 2388 - Internship in Criminal Justice and Safety Studies (Capstone) or  
CJSA 2334 - Contemporary Issues in Criminal Justice (Capstone)

Approved Electives Semester Hours: 6 \*

Total Degree Hours: 60

\* All electives must have prior approval of the Program Coordinator. Approved Electives: CJSA 1347, CJSA 1348, CJSA 2331, CRIJ 1313, CJLE 1111, CJLE 1345, CJLE 1373, CJLE 1375, CJLE 1506, CJLE 1512, CJLE 1518, CJLE 2247, FIRT 1301, HMSY 1337, SLPS 1371, SLPS 1372, or SLPS 2371.

\*\* Creative Arts/Language, Philosophy and Culture, and Mathematics and Physical Sciences elective must be chosen from the corresponding section of the Core Curriculum.

NOTE: Mathematical competency is required for completion by TSI-liable students. Capstone should be taken in the graduating semester and requires department approval prior to enrollment.

FOS: Criminal Justice Field of Study

## DUAL CREDIT COURSE CROSSWALK (Diesel Technician) (In Collaboration With High School Representative)

9 <sup>th</sup> Grade		10 <sup>th</sup> Grade		11 <sup>th</sup> Grade		12 <sup>th</sup> Grade	
High School	English I or II	English I or II	English II or *III	English II or *III	*English III or IV	*English III or IV	*English IV or *English Elective
	Algebra I or Geometry	Algebra I or Geometry	Geometry or Algebra II	Geometry or Algebra II	Algebra II or *Pre-Calculus	Algebra II or *Pre-Calculus	*Pre-Calculus or *Calculus or *Statistics
	*AP Human Geography	*AP Human Geography	*AP World History	*AP World History	*AP US History	*AP US History	*Government
	Biology	Biology	Chemistry	Chemistry	Physics	Physics	Economics
College					☒ DEMR 1301 (13039250)	☒ DEMR 1305 (13039550)	☒ DEMR 1229 (13039270)
					☒ DEMR 1306 (13040150)	☒ DEMR 1317 (13039550)	☒ DEMR 1327 (13040450)
					☒ DEMR 1230 (13039250)	☒ DEMR 1316 (13040160)	
					☒ DEMR 1321 (13040150)	☒ DEMR 1323 (13040160)	

The COLLEGE DISTRICT and SCHOOL DISTRICT will utilize Attachment A to collaborate strategic course offerings for students participating in the dual credit program towards college degree completion through the term of the agreement. Career and Technical Education (CTE) program requirements will be provided for CTE course offerings.

### Diesel Technician

Level 1 Certificate of Completion

DEMR.T001.UG • Offered at South Campus

### Program Requirements

First Year

Fall Term

DEMR 1301 - Shop Safety and Procedures

DEMR 1305 - Basic Electrical Systems

DEMR 1317 - Basic Brake Systems

DEMR 1306 - Diesel Engine I

Spring Term

DEMR 1230 - Steering and Suspension I

DEMR 1316 - Basic Hydraulics

DEMR 1321 - Power Train I

DEMR 1323 - Heating, Ventilation, and Air Conditioning (HVAC) Troubleshooting and Repair

Summer Term

DEMR 1229 - Preventative Maintenance

DEMR 1327 - Tractor Trailer Service and Repair

DEMR 1280 - Cooperative Education - Diesel Mechanics Technology/Technician (Capstone)

Total Certificate Hours: 30

## DUAL CREDIT COURSE CROSSWALK (Engine Analysis Technician) (In Collaboration With High School Representative)

	9 <sup>th</sup> Grade		10 <sup>th</sup> Grade		11 <sup>th</sup> Grade		12 <sup>th</sup> Grade	
High School	English I or II	English I or II	English II or *III	English II or *III	*English III or IV	*English III or IV	*English IV or *English Elective	*English IV or *English Elective
	Algebra I or Geometry	Algebra I or Geometry	Geometry or Algebra II	Geometry or Algebra II	Algebra II or *Pre-Calculus	Algebra II or *Pre-Calculus	*Pre-Calculus or *Calculus or *Statistics	*Pre-Calculus or *Calculus or *Statistics
	*AP Human Geography	*AP Human Geography	*AP World History	*AP World History	*AP US History	*AP US History	*Government	Economics
	Biology	Biology	Chemistry	Chemistry	Physics	Physics		
College					☒ AUMT 1405 (13039550) ☒ AUMT 2417 (13039700)	☒ AUMT 1407 (13039600) ☒ AUMT 2434 (13039700)	☒ AUMT 2307 (13039300)or ☒ AUMT 2388 (13040450)	☒ AUMT 2321 (13040450)

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### Engine Analysis Technician

Level 1 Certificate of Completion

AUTS.T001.UG • South Campus

### Program Requirements

#### Fall Term

AUMT 1405 - Introduction to Automotive Technology

AUMT 1407 - Automotive Electrical Systems

#### Spring Term

AUMT 2417 - Automotive Engine Performance Analysis I

AUMT 2434 - Auto Engine Performance Analysis II

#### Summer Term

Choose one from the following:

AUMT 2307 – Hybrid Systems Diagnostic or

AUMT 2388 – Internship – Automobile/Automotive Mechanics Technology/Technician

AUMT 2321 – Automotive Electrical Diagnosis and Repair (Capstone)



Total Certificate Hours: 22

Students enrolled in the Automotive Service Technology Programs are required to furnish their own hand tools for use in laboratory classes.

## DUAL CREDIT COURSE CROSSWALK (Foodservice Operations)

### (In Collaboration With High School Representative)

	9 <sup>th</sup> Grade		10 <sup>th</sup> Grade		11 <sup>th</sup> Grade		12 <sup>th</sup> Grade	
High School	English I or II	English I or II	English II or *III	English II or *III	*English III or IV	*English III or IV	*English IV or *English Elective	*English IV or *English Elective
	Algebra I or Geometry	Algebra I or Geometry	Geometry or Algebra II	Geometry or Algebra II	Algebra II or *Pre-Calculus	Algebra II or *Pre-Calculus	*Pre-Calculus or *Calculus or *Statistics	*Pre-Calculus or *Calculus or *Statistics
	*AP Human Geography	*AP Human Geography	*AP World History	*AP World History	*AP US History	*AP US History	*Government	Economics
	Biology	Biology	Chemistry	Chemistry	Physics	Physics		
College					☒ HAMG 1321 (13022200)	☒ CHEF 1305 (13022600)	☒ RSTO 1325 (13022600)	☒ HAMG 2301 (13022550)
					☒ RSTO 1304 (13022600)	☒ CHEF 1301 (13022600)		

The COLLEGE DISTRICT and SCHOOL DISTRICT will utilize Attachment A to collaborate strategic course offerings for students participating in the dual credit program towards college degree completion through the term of the agreement. Career and Technical Education (CTE) program requirements will be provided for CTE course offerings.

### Food Service Operations

Level 1 Certificate of Completion  
HOSP.T010.UG • Southeast Campus

Program Requirements  
Fall Term

HAMG 1321 - Introduction to the Hospitality Industry  
CHEF 1305 - Sanitation and Safety  
RSTO 1304 - Dining Room Service  
RSTO 1325 - Purchasing for Hospitality Operations  
CHEF 1301 - Basic Food Preparation  
HAMG 2301 - Principles of Food and Beverage Operations (Capstone)

Total Certificate Hours: 18

## DUAL CREDIT COURSE CROSSWALK (Game and Simulation Programming I)

### (In Collaboration With High School Representative)

	9 <sup>th</sup> Grade		10 <sup>th</sup> Grade		11 <sup>th</sup> Grade		12 <sup>th</sup> Grade	
High School	English I or II	English I or II	English II or *III	English II or *III	*English III or IV	*English III or IV	*English IV or *English Elective	*English IV or *English Elective
	Algebra I or Geometry	Algebra I or Geometry	Geometry or Algebra II	Geometry or Algebra II	Algebra II or *Pre-Calculus	Algebra II or *Pre-Calculus	*Pre-Calculus or *Calculus or *Statistics	* Pre-Calculus or *Calculus or *Statistics
	*AP Human Geography	*AP Human Geography	*AP World History	*AP World History	*AP US History	*AP US History	*Government	Economics
	Biology	Biology	Chemistry	Chemistry	Physics	Physics		
College					☑ GAME 1304 (13009970)  ☑ GAME 1328 (N1300994)	☑ GAME 1403 (13009970)  ☑ GAME 1334 (N1300994) or  ☑ GAME 1409 (13008300)	☑ GAME 1443 (03580380)	☑ GAME 2308 (13028000)

**The COLLEGE DISTRICT and SCHOOL DISTRICT will utilize Attachment A to collaborate strategic course offerings for students participating in the dual credit program towards college degree completion through the term of the agreement. Career and Technical Education (CTE) program requirements will be provided for CTE course offerings.**

### Game and Simulation Programming I

Level 1 Certificate of Completion

ITCS.T007.UG • South Campus

#### Program Requirements

##### Fall Term

GAME 1304 - Level Design

GAME 1403 - Introduction to Game Design and Development

GAME 1328 - Video Game Design

##### Spring Term

Choose one of the following:

GAME 1334 - Video Game Art I or

GAME 1409 - Introduction to Animation Programming

GAME 1443 - Game and Simulation Programming I  
GAME 2308 - Portfolio for Game Development (Capstone)

Total Certificate Hours: 20

## DUAL CREDIT COURSE CROSSWALK (HVAC Residential Technician I)

### (In Collaboration With High School Representative)

High School	English I or II	English I or II	English II or *III	English II or *III	*English III or IV	*English III or IV	*English IV or *English Elective	*English IV or *English Elective
	Algebra I or Geometry	Algebra I or Geometry	Geometry or Algebra II	Geometry or Algebra II	Algebra II or *Pre-Calculus	Algebra II or *Pre-Calculus	*Pre-Calculus or *Calculus or *Statistics	*Pre-Calculus or *Calculus or *Statistics
	*AP Human Geography	*AP Human Geography	*AP World History	*AP World History	*AP US History	*AP US History	*Government	Economics
	Biology	Biology	Chemistry	Chemistry	Physics	Physics		
College					<input checked="" type="checkbox"/> TECM 1303 (12701410) <input checked="" type="checkbox"/> HART 1407 (13005600)	<input checked="" type="checkbox"/> HART 1401 (13005800) <input checked="" type="checkbox"/> HART 2431 (13005800)	<input checked="" type="checkbox"/> HART 1441 (13005900)	<input checked="" type="checkbox"/> HART 2438 (13005900)

The COLLEGE DISTRICT and SCHOOL DISTRICT will utilize Attachment A to collaborate strategic course offerings for students participating in the dual credit program towards college degree completion through the term of the agreement. Career and Technical Education (CTE) program requirements will be provided for CTE course offerings.

### HVAC Residential Technician I

Level 1 Certificate of Completion

HEAT.T009.UG • South Campus

#### Program Requirements

##### Fall Term

Choose one from the following:

TECM 1303 - Technical Calculations or

MATH 1314 - College Algebra + or

MATH 1324 - Mathematics for Business and Social Sciences + or

MATH 1332 - Contemporary Mathematics (Quantitative Reasoning) +

HART 1401 - Basic Electricity for Heating, Ventilation and Air Conditioning (HVAC)

HART 1407 - Refrigeration Principles

##### Spring Term

HART 2431 - Advanced Electricity for Heating, Ventilation and Air Conditioning (HVAC)

HART 1441 - Residential Air Conditioning (Capstone) \*

## HART 2438 - Air Conditioning Installation and Startup

Total Certificate Hours: 23

\* Capstone should be taken in graduating semester.

Students must furnish own hand tools.

## DUAL CREDIT COURSE CROSSWALK (Information Technology Support)

### (In Collaboration With High School Representative)

	9 <sup>th</sup> Grade		10 <sup>th</sup> Grade		11 <sup>th</sup> Grade		12 <sup>th</sup> Grade	
High School	English I or II	English I or II	English II or *III	English II or *III	*English III or IV	*English III or IV	*English IV or *English Elective	*English IV or *English Elective
	Algebra I or Geometry	Algebra I or Geometry	Geometry or Algebra II	Geometry or Algebra II	Algebra II or *Pre-Calculus	Algebra II or *Pre-Calculus	*Pre-Calculus or *Calculus or *Statistics	* Pre-Calculus or *Calculus or *Statistics
	*AP Human Geography	*AP Human Geography	*AP World History	*AP World History	*AP US History	*AP US History	*Government	Economics
	Biology	Biology	Chemistry	Chemistry	Physics	Physics		
College					<input checked="" type="checkbox"/> ITSC 1305 (13027200) <input checked="" type="checkbox"/> ITSC 1425 (13027200)	<input checked="" type="checkbox"/> COSC 1436 (03580200)	<input checked="" type="checkbox"/> ITSY 1300 (03580850) <input checked="" type="checkbox"/> COSC 1301 (03580140) or <input checked="" type="checkbox"/> BCIS 1305 (13011400)	<input checked="" type="checkbox"/> ITCC 1414 (13027310) or <input checked="" type="checkbox"/> ITNW 1425 (13027410)

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### Information Technology Support

Level I Certificate

ITCS.T004.UG • Northeast, Northwest, South, and Southeast

### Program Requirements

Fall Term

ITSC 1305 - Introduction to PC Operating Systems

ITSC 1425 - Personal Computer Hardware

ITSY 1300 - Fundamentals of Information Security

Choose one from the following:

COSC 1301 - Introduction to Computing + or

BCIS 1305 - Business Computer Applications +

Spring Term

COSC 1436 - Programming Fundamentals I +

Choose one from the following:

ITCC 1414 - CCNA 1: Introduction to Networks (Capstone) or

ITNW 1425 - Fundamentals of Networking Technologies (Capstone)

Total Certificate Hours: 21

The Capstone experience for this program will be the Cisco CCNA examinations. The above curriculum is designed to assist the student in preparing for the examinations required to become a Cisco Certified Network Associate (CCNA).



## DUAL CREDIT COURSE CROSSWALK (Welding Basic)

### (In Collaboration With High School Representative)

	9 <sup>th</sup> Grade		10 <sup>th</sup> Grade		11 <sup>th</sup> Grade		12 <sup>th</sup> Grade	
High School	English I or II	English I or II	English II or *III	English II or *III	*English III or IV	*English III or IV	*English IV or *English Elective	*English IV or *English Elective
	Algebra I or Geometry	Algebra I or Geometry	Geometry or Algebra II	Geometry or Algebra II	Algebra II or *Pre-Calculus	Algebra II or *Pre-Calculus	*Pre-Calculus or *Calculus or *Statistics	*Pre-Calculus or *Calculus or *Statistics
	*AP Human Geography	*AP Human Geography	*AP World History	*AP World History	*AP US History	*AP US History	*Government	Economics
	Biology	Biology	Chemistry	Chemistry	Physics	Physics		
College					<input checked="" type="checkbox"/> WLDG 1428 (13032300) <input checked="" type="checkbox"/> WLDG 1312 (13032400)	<input checked="" type="checkbox"/> WLDG 1430 (13032300) <input checked="" type="checkbox"/> WLDG 1434 (13032400)	<input checked="" type="checkbox"/> WLDG 1417 (13032300)	

**The COLLEGE DISTRICT and SCHOOL DISTRICT will utilize Attachment A to collaborate strategic course offerings for students participating in the dual credit program towards college degree completion through the term of the agreement. Career and Technical Education (CTE) program requirements will be provided for CTE course offerings.**

### Welding Basic

Level 1 Certificate of Completion

WELD.T002.UG • Northwest, South Campus

### Program Requirements

#### Fall Term

WLDG 1428 - Introduction to Shielded Metal Arc Welding (SMAW)

WLDG 1430 - Introduction to Gas Metal Arc Welding (GMAW)

#### Spring Term

WLDG 1312 - Introduction to Flux Cored Arc Welding (FCAW)

WLDG 1434 - Introduction to Gas Tungsten Arc Welding (GTAW) (Capstone)

WLDG 1417 - Introduction to Layout and Fabrication

Total Certificate Hours: 19