

DUAL CREDIT

TARRANT COUNTY COLLEGE (TCC)



Tarrant County College

Mansfield Independent School District, in conjunction with the Tarrant County College Southeast Campus, offers several courses for dual credit to MISD sophomores, juniors

and seniors. Courses are offered in a variety of formats including face to face instruction on MISD campuses, virtual instruction and some blended models. **Students will receive high school and college credit** for TCC courses taken and passed through the MISD. TCC courses are figured into the student's cumulative grade average as honors courses. TCC courses follow the guidelines of TCC indicated in the syllabus for the course. These include but are not limited to absences and grades. **Additionally, students must earn a 70 or higher in the dual credit course to continue in high school dual credit courses.** Since the student is being given early enrollment at TCC for these courses, the student must be enrolled in a MISD high school throughout the course, or he/she will be dropped from TCC. MISD students must have the following to be enrolled in TCC courses: **80+ overall grade average and satisfactory scores on the TSI.**

HB505

In the fall of 2015, HB 505 was passed concerning dual credit opportunities. HB 505 states the following:

A rule may not limit:

1. the number of dual credit courses or hours in which a student may enroll while in high school
2. the number of dual credit courses or hours in which a student may enroll each semester or academic year
3. the grade levels at which a high school student may be eligible to enroll in a dual credit course.

Based on this legislation, students now have access to college courses as early as 9th grade and may take multiple college courses if desired as long as they meet eligibility requirements. However, students may only access courses at a discounted rate within the parameters of the district dual credit program. Any courses taken outside of these parameters must be outside of the school day and at the student's expense.

Only courses within our agreement established with the district's specified higher education partners and meeting the district's curriculum prerequisites found

in the Course Description Guide can be coded for dual credit. All other courses will be concurrent or college credit only.

MISD DUAL CREDIT PROGRAM

This program allows students to earn college credit while still in high school. Students interested in dual credit must have an 80+ GPA, take and pass the TSI and be classified as sophomores to be eligible for dual credit. Dual credit classes are available on every high school campus. Students will take courses on their home campus, but in-district travel may be required for certain courses if they do not make on the home campus. Some courses may be offered in an on-line format or a blended model.

How does the dual credit program work?

- Students may begin select course work in 10th grade
- Students may take up to 3 courses during the fall and spring semester.
- Students should take courses that meet their individual needs and support their future college degree plans.

TSI INFORMATION

All students taking college-level courses must satisfy the Texas Success Initiative (TSI) requirements. Students must meet standards at the date of testing. Scores are valid for 5 years. **To be eligible for MISD sponsorship/scholarship all students must pass the TSI or qualify with TCC for an exemption. See TCC's website for details.** For information on the TSI and testing opportunities, please contact your high school counselor. *Testing is scheduled in advance and/or by appointment only with a Pre-Assessment Activity to be completed prior to the testing session.*

TSI PASSING SCORES	
ELAR	CRC 945+ and Essay Score of 5+ or CRC 910-944 & DL 5-6 & Essay of 5+
MATH	CRC 950+ or 910-949 and DL6

REGISTRATION PROCESS

If your child is interested in taking dual credit courses next year, below are the necessary steps. A guided process is available in the dual credit Canvas course. All interested students should self-register in the Dual Credit Canvas Course at

<https://mansfieldisd.instructure.com/enroll/77ELTW>

1. The first step is to confirm that you have the 80+ GPA required to take a dual credit class under MISD sponsorship. You may confirm your GPA in the counseling office or through Edugence.
2. The next step is complete the application with TCC. You will find the application at <https://tccd.elluciancrmrecruit.com/Apply/Account/Login>. Resources are available within the Dual Credit Canvas Course to assist you with the application process. The application should be completed as soon as possible to allow sufficient time for testing. Applications should be completed on month prior to testing. After completing your application, you should receive an e-mail within a week with your TCC ID# and TCC e-mail information. Please save this e-mail as you will need this information. Dual credit students will have a TCC ID# and a MISD ID#.
3. Once you have received your e-mail from TCC with your TCC ID, forward that email to your counselor so your counselor will have it.
4. A Pre-Assessment Activity (PAA) is required prior to TSI testing. Students will need to log into Webdadvisor and create their account once they get their TCC ID#. Then they will be able to complete the PAA on their own. Once they have completed the PAA, they should forward the completion email to their counselor so they can be scheduled for testing at the campus.
5. The fifth step is to take the TSI assessment. The student will need his/her TCC ID# for testing. The test measures the student's reading, writing and math skills in order to make sure the student can successfully complete college level work. In order to take the TSI, steps 1-4 must be complete. If the TSI is passed, the student may proceed to the next step.
6. The sixth step is for the student to choose courses with the high school counselor.
7. The seventh step is for students to complete self-registration in WebAdvisor. This happens the semester before each course begins during a designated TCC window.
8. The final step is for new students to register and complete the TCC mandatory new student orientation. The instructions will be included with the registration instructions. Students who do not complete the mandatory orientation will be dropped.

GRADING AND ATTENDANCE INFORMATION

Although students register for TCC courses with the assistance of their high schools, the students will have to follow TCC procedures for requesting transcripts of college credit. Students must remember that TCC courses will become part of their **permanent college record. Student initiated schedule changes or teacher changes are not permitted.**

It is also important to remember the following:

- Students are treated as college students by the TCC faculty.
- The college professors do not call home if the student is absent or not turning in work.
- TCC is not subject to the grading policy or attendance policy of MISD.
- Students must adhere to the attendance and grading deadlines dictated in the syllabus for each course.
- TCC grades may be accessed by the student through the TCC Blackboard online grading system.
- It is the student's responsibility to contact his/her TCC professor(s) in the event of any absence. This contact needs to be made prior to the absence unless the absence is due to a sudden illness.
- The professor determines what provisions if any are allowed for the absence.
- Students who will miss class for a UIL event, should speak to the instructor as soon as possible to discuss assignments that will be missed.
- Students who attend TCC courses must be responsible and dependable.
- **Senior students who fail a spring course at TCC (English, Government, or Economics) may not be able to graduate and will have to repeat the course through another avenue such as summer school.**
- Students will remain on the MISD calendar. Therefore, in order to make up for MISD holidays which are not TCC holidays, students may be required on occasion to attend TCC courses on Fridays or certain MISD holidays (bad weather make-up days, etc.). In the spring semester, the MISD and TCC spring breaks may fall on two different weeks, so as stated previously, there may be Fridays or certain MISD holidays on which TCC classes have been scheduled for this purpose. Students should be given prior notice by their TCC professor(s) regarding any changes or additional class times.
- **To receive weighted credit for a Tarrant County College dual credit course, students must be enrolled in the course and receive a minimum grade of 70 in the course.**

REQUIRED ATTENDANCE

The TCC calendar and MISD calendar do not always align. As a dual credit student, TEA requires students to report to and remain on campus each MISD calendar day. This includes days before/after TCC classes begin and Fridays when class is not in session. Students who do not report will be marked absent.

COURSE COST

\$115 per course

\$25 per course if eligible for free or reduced lunch

Payments should be made to the high school campus bookkeeper not TCC. MISD reserved the right to remove students from TCC courses if they have not met their financial obligations regarding TCC tuition and/or fees.

TEXTBOOKS

MISD provides textbooks for all dual credit courses. Books are checked out to students for the duration of the course. Student return books to MISD upon completion of the course. Books are issued on the home campus. All text books are part of a 3-year agreement with TCC. No alternative text is required of the students.

DROP POLICY

Dropping a class

Students will be allowed to drop a TCC course within the guidelines/timeline specified by TCC. Students dropping a class will have three options:

Option 1: No longer participate in the dual credit program

Option 2: Remain in the dual credit program but reimburse the district for funds lost. This amount may not be confirmed until the TCC invoice is received. All funds must be paid to the home campus prior to the start of the next semester.

Option 3: Remain in the dual credit program at the full tuition rate. In some instances, it is more cost

effective or affordable to pay the full tuition rate depending on the number of courses your student plans to take.

Please note: Dropping courses that do not have an equivalent course on the high school campus (ie College Algebra) may result in a shortage of credits towards graduation requirements.

REFUNDS

MISD does not refund student tuition.

FREQUENT DUAL CREDIT COURSE OFFERINGS

10th grade Year

Fall (Choose 1)	Spring (Choose 1)
American Sign Language (SLNG 1404)	American Sign Language II (SLNG 1405)
	Public Speaking (SPCH 1315)

11th grade year (Max of 3 courses per semester)

Fall (Choose 1-3)	Spring (Choose 1-3)
English Composition I (ENGL 1301)	English Composition II (ENGL 1302)
US History (HIST 1301)	US History (HIST 1032)
Sociology (SOCI 1301)	Psychology (PSYC 2301)
Psychology (PSYC 2301)	Sociology (SOCI 1301)
Statistics (MATH 1342)	College Algebra (MATH 1314)
American Sign Language (SLNG 1404)	American Sign Language II (SLNG 1405)
	Texas Government (GOVT 2306)

12th grade year (Max of 3 courses per semester)

Fall (Choose 1-3)	Spring (Choose 1-3)
English Composition I (ENGL 1301)	English Composition II (ENGL 1302)
British Literature I (ENGL 2322)	British Literature II (ENGL 2323)
Federal Government (GOVT 2305)	Economics (ECON 2301)
Economics (ECON 2301)	Federal Government (GOVT 2305)
Sociology (SOCI 1301)	Psychology (PSYC 2301)
Psychology (PSYC 2301)	Sociology (SOCI 1301)
Statistics (MATH 1342)	College Algebra (MATH 1314)
American Sign Language I (SLNG 1404)	American Sign Language II (SLNG 1405)
American Sign Language III (SLNG 1344)	American Sign Language IV (SLNG 1345)
Biology for NSM I (BIOL 1408)	Biology for NSM II (BIOL 1409)
	Texas Government (GOVT 2306)

(TCC) UNITED STATES HISTORY

Course Number: 0972

Placement: 11

Credits: 1

Prerequisite: Successful completion of 1 History class.
80+ Overall GPA & TSI Assessment.

TCC corresponding college credit:

HIST 1301 – US History to 1876 (3 semester hours)

HIST 1302 – US History since 1876 (3 semester hours)

This is a regular college-level US History course in which dual credit will be awarded for college US History and high school US History. Students may receive up to 6 hours of college credit. Students will attend TCC classes on their home campus. This course meets the high school graduation requirement. **The ELAR TSI**

Assessment must be passed before students will be allowed to enroll in TCC classes.

(TCC) ENGLISH COMPOSITION

Course Number: 0251/0252

Placement: 11-12

Credits: 1

Prerequisite: Successful completion of English II. **80+ Overall GPA & TSI Assessment**

TCC corresponding college credit:

ENGL 1301 – Composition I (3 semester hours)

ENGL 1302 – Composition II (3 semester hours)

This is a regular college-level English course in which dual credit will be awarded for college freshman English and English III or IV. The student will receive 3 hours college credit and ½ high school credit for each term completed successfully. Students will attend TCC classes on their home campus. This course meets the high school graduation requirement. **The ELAR TSI Assessment must be passed before students will be allowed to enroll in TCC classes.**

(TCC) ENGLISH – BRITISH LITERATURE**Course Number: 0253****Placement: 12****Credits: 1****Prerequisite: ENGL 1302; 80+ Overall GPA & TSI Assessment**

TCC corresponding college credit:

ENGL 2322 – British Literature I (3 semester hours)

ENGL 2323 – British Literature II (3 semester hours)

This is a regular college-level English course in which dual credit will be awarded for college freshman English and English IV. The student will receive 3 hours college credit and ½ high school credit for each term completed successfully. Students will attend TCC classes on their home campus. Required prerequisite: ENGL 1302. This course meets the high school graduation requirement.

The ELAR TSI Assessment must be passed before students will be allowed to enroll in TCC classes.

(TCC) PUBLIC SPEAKING**Course Number: 0260/0261****Placement: 10-12****Credits: ½****Prerequisite: 80+ Overall GPA & TSI Assessment** TCC corresponding college credit:

SPCH 1315 – Introduction to Speech Communication (3 semester hours)

This is a college speech course that applies communication theory to help develop students' speaking abilities, as well as ability to effectively evaluate oral presentations. **The ELAR TSI Assessment must be passed before students will be allowed to enroll in TCC classes. This course will meet the professional communications requirement for graduation. (MISD requirement only)**

(TCC) ALGEBRA**Course Number: 0610****Placement: 11-12****Credits: ½****Prerequisite: Successful completion of Algebra II, 80+ Overall GPA & TSI Assessment**

TCC corresponding college credit:

MATH 1314 – College Algebra (3 semester hours)

This is a regular college-level Algebra class with an in-depth study and applications of polynomial, rational, radical, exponential and logarithmic functions, and systems of equations using matrices. Students will attend TCC classes on their home campus. This course meets .5 of the fourth-year math high school graduation requirement. **The math TSI Assessment must be passed before students will be allowed to enroll in TCC classes.**

(TCC) STATISTICS**Course Number: 0614****Placement: 11-12****Credits: ½****Prerequisite: Successful completion of Algebra II, 80+ Overall GPA & TSI Assessment**

TCC corresponding college credit:

MATH 1342 – Elementary Statistical Methods (3 semester hours)

This is a regular college-level Statistics course examining collection, analysis, presentation and interpretation of data. Students will attend TCC classes on their home campus. This course meets .5 of the fourth-year math high school graduation requirement. **The ELAR TSI and Math Assessments must be passed before students will be allowed to enroll in TCC classes.**

(TCC) PRE-CALCULUS**Course Number: 0617****Placement: 11-12****Credits: 1****Prerequisite: Successful completion of MATH 1314 & TSI Assessment**

TCC corresponding college credit: MATH 2412 – Pre-Calculus (4 semester hours). This is a regular college-level Pre-Calculus course offering an in-depth study of algebra, trigonometry, and other topics for calculus readiness. Students will attend TCC classes on their home campus. This course meets the fourth-year math high school graduation requirement. This course is double blocked. **The math TSI Assessment must be passed before students will be allowed to enroll in TCC classes.**

(TCC) MATHEMATICS FOR BUSINESS**Course Number: 0611****Placement: 12****Credits: ½****Prerequisite: 80+ Overall GPA & TSI Assessment**

TCC corresponding college credit: MATH 1324 – Mathematics for Business and Social Science (3 semester hours). This is a regular college-level mathematics course including the study of algebra, mathematics of finance, linear programming, systems of linear equations, applications to management, economics and business. Students will attend TCC classes on their home campus. **The math TSI Assessment must be passed before students will be allowed to enroll in TCC classes.**

(TCC) MATHEMATICS FOR BUSINESS II**Course Number: 0612****Placement: 12****Credits: ½****Prerequisite: Math 1324 or Math 1314**

TCC corresponding college credit: MATH 1325 – Mathematics for Business and Social Science II (3 semester hours). This is a regular college-level mathematics course including the study of limits and continuity, derivatives, graphing, and optimization, exponential and logarithmic functions, antiderivatives, integration, applications to management, economics, and business. Students will attend TCC classes on their home campus. **The math TSI Assessment must be passed before students will be allowed to enroll in TCC classes.**

(TCC) BIOLOGY**Course Number: 0940****Placement: 12****Credits: 2****Prerequisite: 80+ Overall GPA & TSI Assessment**

TCC corresponding college credit:

BIOL 1408 – General College Biology I (4 semester hours)
Fall CourseBIOL 1409 – General College Biology II (4 semester hours)
Spring Course

This is a regular college-level introductory biology course for the non-science major in which dual credit will be awarded. Students may receive up to 8 hours of college credit and one credit for each semester, successfully completed. Students will attend TCC classes on their home campus. This course meets the fourth-year science high school graduation requirement. This course is double blocked. **The ELAR TSI assessment must be taken before students will be allowed to enroll in TCC classes. (MISD requirement only)**

(TCC) GEOLOGY**Course Number: 0942****Placement: 11-12****Credits: 1****Prerequisite: 80+ Overall GPA & TSI Assessment**

TCC corresponding college credit: GEOL 1401 – Earth Sciences (4 semester hours)

Survey of physical and historical geology, astronomy, meteorology, oceanography and related sciences. This course meets the fourth-year science high school graduation requirement. This course is double blocked. **The ELAR TSI assessment must be taken before students will be allowed to enroll in TCC classes. (MISD requirement only)**

(TCC) GOVERNMENT**Course Number: 0911 FALL /0912 SPRING****Placement: 12****Credits: ½****Prerequisite: 80+ overall GPA & TSI Assessment**

TCC corresponding college credit: GOVT 2305 – Federal Government (3 semester hours)

This is a regular college-level Political Science course in which dual credit will be awarded for college Political Science and Government. The student will receive 3 hours college credit and ½ high school credit when completed successfully. Students will attend TCC classes on their home campus. This course meets the high school graduation requirement. **The ELAR TSI Assessment must be passed before students will be allowed to enroll in TCC classes.**

(TCC) TEXAS GOVERNMENT**Course Number: 0914****Placement: 12****Credits: ½****Prerequisite: TSI Assessment or a C or better in ENGL 1301**

This is a regular college-level Political Science course in which dual credit will be awarded for college Texas Government. The student will receive 3 hours of college credit and ½ high school credit when completed successfully. The emphasis of this course is the origin and development of the Texas Constitution, structure and powers of state and local government, federalism and inter-governmental relations, political participation, the election process, public policy, and the political culture of Texas. Students will attend TCC classes on their home campus. **The ELAR TSI assessment must be passed before students will be allowed to enroll in TCC classes.**

(TCC) ECONOMICS**Course Number: 0915 FALL/0916 SPRING****Placement: 12****Credits: ½****Prerequisite: 80+ Overall GPA & TSI Assessment**

TCC corresponding college credit: ECON 2301 – Principles of Macroeconomics (3 semester hours)

This is a regular college-level Economics course in which dual credit will be awarded for college Economics and high school Economics. The student will receive 3 hours college credit and ½ high school credit when completed successfully. Students will attend TCC classes on their home campus. This course meets the high school graduation requirement. **The ELAR TSI assessment must be passed before students will be allowed to enroll in TCC classes. (MISD requirement only)**

(TCC) MICROECONOMICS**Course Number: 0918****Placement: 12****Credits: ½****Prerequisite: ECON 2301; 80+ Overall GPA & TSI**

TCC corresponding college credit:

ECON 2302 – Principles of Microeconomics (3 semester hours) This is a regular college-level Economics course in which dual credit will be awarded for college Economics and high school Economics with an emphasis of the behavior of individual economic agents. The student will receive 3 hours college credit and ½ high school credit when completed successfully. Students will attend TCC classes on their home campus. **The ELAR assessment must be passed before students will be allowed to enroll in TCC classes. (MISD requirement only)**

(TCC) PSYCHOLOGY**Course Number: 0970****Placement: 11-12****Credits: ½****Prerequisite: 80+ overall GPA & TSI Assessment**

TCC corresponding college credit:

PSYC 2301 – Introduction to Psychology (3 semester hours). This is a regular college-level Psychology course in which dual credit will be awarded for college Psychology and high school Psychology. The student will receive 3 hours college credit and ½ high school credit when completed successfully. Students will attend TCC classes on their home campus. **The ELAR TSI assessment must be passed before students will be allowed to enroll in TCC classes.** Students electing to take TCC Psychology may not take AP Psychology as these are both college level psychology courses.

(TCC) SOCIOLOGY**Course Number: 0980****Placement: 11-12****Credits: ½****Prerequisite: 80+ overall GPA & TSI Assessment**

TCC corresponding college credit: SOCI 1301 – Introduction to Sociology (3 semester hours)

This is a regular college-level Sociology course in which dual credit will be awarded for college Sociology and high school Sociology. The student will receive 3 hours college credit and ½ high school credit when completed successfully. Students will attend TCC classes on their home campus. **The ELAR assessment must be passed before students will be allowed to enroll in TCC classes.**

(TCC) ART HISTORY**Course Number: 0335****Placement: 11-12****Credits: ½****Prerequisite: 80+ overall GPA & TSI Assessment**

TCC corresponding college credit: ART 1303 – Art History (3 semester hours)

This is a regular college-level Art course focused on exploring the purposes and processes in the visual arts including evaluation of selected works of painting, sculpture, architecture and industrial design related to everyday life. The student will receive 3 hours college credit and ½ high school credit when completed successfully. Students will attend TCC classes on their home campus. **The ELAR assessment must be passed before students will be allowed to enroll in TCC classes. (MISD requirement only)**

(TCC) DRAWING I**Course Number: 0331****Placement: 11-12****Credits: ½****Prerequisite: 80+ overall GPA & TSI Assessment**

TCC corresponding college credit: ART 1316 – Drawing I (3 semester hours)

This is a regular college-level Art course investigating drawing media and techniques of drawing including descriptive and expressive possibilities. The student will receive 3 hours of college credit and ½ high school credit when completed successfully. Students will attend TCC classes on their home campus. **The ELAR assessment must be passed before students will be allowed to enroll in TCC classes. (MISD requirement only)**

(TCC) DANCE**Course Number: 0332****Placement: 11-12****Credits: ½****Prerequisite: 80+ overall GPA & TSI Assessment**

TCC corresponding college credit: DANC 2303 – Dance Appreciation (3 semester hours). This is a regular college-level Dance course surveying primitive, classical, and contemporary dance and its interrelationship with cultural developments and other art forms. The student will receive 3 hours college credit and ½ high school credit when completed successfully. Students will attend TCC classes on their home campus. **The ELAR assessment must be passed before students will be allowed to enroll in TCC classes. (MISD requirement only)**

(TCC) MUSIC**Course Number: 0333****Placement: 11-12****Credits: ½****Prerequisite: 80+ overall GPA & TSI Assessment**

TCC corresponding college credit:

MUSI 1306 – Music Appreciation (3 semester hours)

This is a regular college-level Music course designed to understand music through the study of cultural periods, major composers, and musical elements. The student will receive 3 hours college credit and ½ high school credit when completed successfully. Students will attend TCC classes on their home campus. **The ELAR TSI assessment must be passed before students will be allowed to enroll in TCC classes. (MISD requirement only)**

(TCC) DRAMA**Course Number: 0334****Placement: 11-12****Credits: ½****Prerequisite: 80+ overall GPA & TSI Assessment**

TCC corresponding college credit:

DRAM 1310 – Introduction to Theatre (3 semester hours)

This is a regular college-level Art course surveying all phases of theatre including its history, dramatic works, stage techniques, production procedures, and relation to fine arts. The student will receive 3 hours college credit and ½ high school credit when completed successfully. Students will attend TCC classes on their home campus. **The ELAR TSI assessment must be passed before students will be allowed to enroll in TCC classes. (MISD requirement only)**

(TCC) SGNL 1401 BEGINNING AMERICAN SIGN LANGUAGE I**Course Number: 0760****Placement: 10-12****Credits: 1****Prerequisite: 80+ GPA & TSI Assessment**

Introduction to American Sign Language covering finger spelling, vocabulary and basic sentence structure in preparing individuals to interpret oral speech for the hearing impaired. This course will be offered at BBCTA only. It is recommended that students have some high school experience with ASL prior to dual credit enrollment. This is not a requirement. **The ELAR TSI assessment must be passed before students will be allowed to enroll in TCC classes. (MISD requirement only)**

(TCC) SGNL 1402 BEGINNING AMERICAN SIGN LANGUAGE II**Course Number: 0761****Placement: 10-12****Credits: 1****Prerequisite: 80+ overall GPA & TSI Assessment**

Introduction to American Sign Language covering finger spelling, vocabulary and basic sentence structure in preparing individuals to interpret oral speech for the hearing impaired. This course will be offered at BBCTA only. **The ELAR TSI assessment must be passed before students will be allowed to enroll in TCC (MISD requirement only)**

(TCC) SGNL 2301 INTERMEDIATE SIGN LANGUAGE I**Course Number: 0762****Placement: 11-12****Credit: 1****Prerequisite: 80+ overall GPA & TSI Assessment**

Review and application of conversational skills in American Sign Language interpreting from signing to voice as well as from voice to signing. Introduction to American Sign Language literature and folklore. This course will be offered at BBCTA only. **The ELAR assessment must be passed before students will be allowed to enroll in TCC classes. (MISD requirement only)**

(TCC) SGNL 2302 INTERMEDIATE SIGN LANGUAGE II**Course: 0763****Placement: 11-12****Credit: 1****Prerequisite: 80 + overall GPA & TSI Assessment**

Review and application of conversational skills in American Sign Language interpreting from signing to voice as well as from voice to signing. Introduction to American Sign Language literature and folklore. This course will be offered at BBCTA only. **The ELAR assessment must be passed before students will be allowed to enroll in TCC classes. (MISD requirement only)**

CTE DUAL CREDIT

The dual credit courses below are technical dual credit classes. They require an overall GPA of a 70 and do not require TSI testing.

TCC WLDG 1428 INTRO TO SHIELDED METAL ARC WELDING (Concurrent with Welding II)

Course Number: 0176

Placement: 10-12

Credits: 1

Prerequisite: Welding I

This course is an introduction to the shielded metal arc process. Emphasis is placed on power sources, electrode selection, oxy-fuel cutting and various joint designs. Instruction provided in SMAW fillet welding in various positions. Course offered at Ben Barber and is taught concurrently with 1st semester of Welding II.

TCC WLDG 1430 INTRO TO GAS METAL ARC WELDING (Concurrent with Welding II)

Course Number: 0177

Placement: 10-12

Credits: 1

Prerequisite: Principles of Manufacturing

This course teaches the principles of gas metal arc welding, set-up and use of GMAW equipment and safe use of tools and equipment. Instruction in various joint designs. Course offered at Ben Barber and is taught concurrently with 2nd semester of Welding II.

TCC WLDG 1417 INTRO TO LAYOUT & DESIGN (Concurrent with Practicum in Manufacturing)

Course Number: 0178

Placement: 11-12

Credits: 1

Prerequisite: 1st semester of Welding II

This fundamental course in layout and fabrication related to the welding industry. Major emphasis is placed on structural shapes and use in construction. Course offered at Ben Barber and is taught concurrently with 2nd semester of Welding II.