

2023 - 2024 COURSES

BUSINESS & INDUSTRY

ARCHITECTURAL DESIGN II

GRADES 11-12 | 2 credits | Prerequisite - Architectural Design I

PRACTICUM IN ARCHITECTURAL DESIGN

GRADE 12 | 2 credits | Prerequisite - Architectural Design II, Algebra II or concurrent enrollment in Algebra II

AUTOMOTIVE BASICS/AUTO TECH I MAINTENANCE & LIGHT REPAIR

GRADES 11-12 | 3 credits

DUAL CREDIT AUTOMOTIVE BASICS/AUTO TECH I MAINTENANCE & LIGHT REPAIR

GRADES 11-12 | 3 credits | TSTC Admission Requirements, \$99 per TSTC course (\$198 total fee)

AUTO TECH II/LAB

GRADE 12 | 3 credits | Prerequisite - Automotive Basics & Auto Tech I

MANUFACTURING ENGINEERING I/II

GRADES 11-12 | 1 credit Fall Semester, 1 credit Spring Semester | Prerequisite - Principles of Applied Engineering OR Principles of Manufacturing, Algebra II or concurrent enrollment in Algebra II

PRACTICUM IN MANUFACTURING ENGINEERING

GRADE 12 | 2 credits | Prerequisite - Manufacturing Engineering I & II

COMPUTER MAINTENANCE

GRADES 11-12 | 2 credits

CISCO NETWORK ENGINEERING I/LAB

GRADES 11-12 | 2 credits | Prerequisite - Algebra II or concurrent enrollment in Algebra II

CISCO NETWORK ENGINEERING II/LAB

GRADE 12 | 2 credits | Prerequisite - Network Engineering I/Lab

CYBER SECURITY I/II

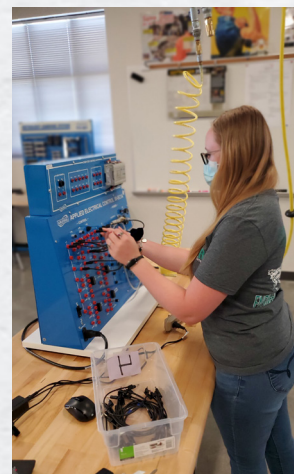
GRADE 12 | 1 credit Fall Semester, 1 credit Spring Semester | Prerequisite - Computer Maintenance, Cisco Network Engineering I/Lab, Computer Science I, AP Computer Science Principles, or AP Computer Science A

CULINARY ARTS

GRADES 11-12 | 2 credits

PRACTICUM IN CULINARY ARTS

GRADE 12 | 2 credits | Prerequisite - Culinary Arts



DIGITAL AUDIO I/II

GRADES 11-12 | 1 credit Fall Semester, 1 credit Spring Semester

DUAL CREDIT DIGITAL AUDIO I/II

GRADES 11-12 | 1 credit Fall Semester/1 credit Spring Semester | HCC Admission Requirements, TSI Requirement, \$65 fee per HCC Course

FILM I - ADVANCED A/V PRODUCTION

GRADES 11-12 | 2 credits | Prerequisite - Audio Video Production I

DUAL CREDIT FILM I - ADVANCED A/V PRODUCTION

GRADES 11-12 | 2 credits | Prerequisite - Audio Video Production I | HCC Admission Requirements, TSI Requirement, \$65 fee per HCC Course

FILM II

GRADE 12 | 2 credits | Prerequisite - Film I

CONSTRUCTION TRADES I/ PRINCIPLES OF CONSTRUCTION

GRADE 12 | 3 credits

CONSTRUCTION TRADES II

GRADE 12 | 2 credits | Prerequisite - Construction Trades I/ Principles of Construction Trades

**PACE KAP

GRADE 12 | 1 credit | Prerequisite - Students with a 3.8 GPA or higher, enrollment in AP English Literature at MCTC

**PACE KAP GT

GRADE 12 | 1 credit | Prerequisite - Students with a 3.8 GPA or higher, enrollment in AP English Literature at MCTC

VETERINARY MEDICAL APPLICATIONS

GRADES 11-12 | 2 credits | Prerequisite - Either Equine Science, or Small Animal Management, or Livestock Production.

*Current 10th & 11th grade students are waived from the prerequisite requirement for Vet Med Apps.

VET ASSISTING

GRADE 12 | 2 credits | Prerequisite - Veterinary Medical Applications

PUBLIC SERVICES

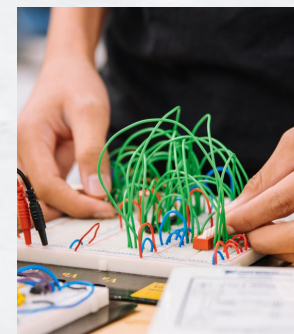
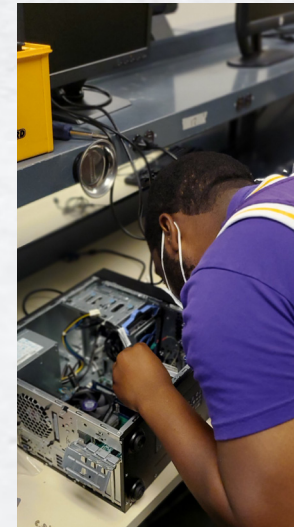
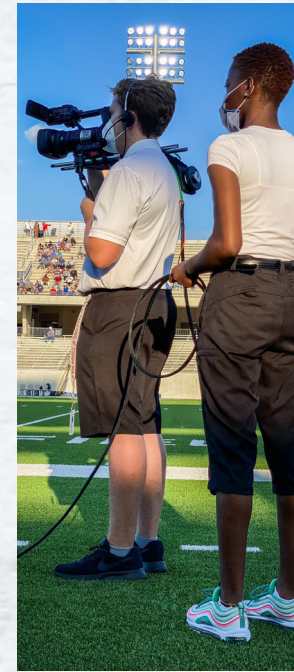
**CLINICAL ROTATIONS

GRADE 12 | 2 credits | Prerequisite - Principles of Health Science and Health Science Theory

DENTAL ASSISTING I: ANATOMY & PHYSIOLOGY

DENTAL ASSISTING II: EQUIPMENT & PROCEDURES

GRADE 12 | 2 credits | Prerequisite - Principles of Health Science and Health Science Theory



**EMERGENCY MEDICAL TECHNICIAN (EMT)

GRADE 12 | 2 credits | Prerequisite - Principles of Health Science and Health Science Theory

**PHARMACY I&II / PHARMACOLOGY

GRADE 12 | 3 credits | Prerequisite - Chemistry, Principles of Health Science and Health Science Theory
Requirement: Must have a social security number to register as Technician in training and must provide a specific clear drug test.

INTRO TO COSMETOLOGY/ COSMETOLOGY I

GRADES 11-12 | 3 credits

COSMETOLOGY DESIGN & COLOR THEORY/COSMETOLOGY II

GRADE 12 | 3 credits | Prerequisite - Intro to Cosmetology & Cosmetology I

INSTRUCTIONAL PRACTICES IN EDUCATION & TRAINING

GRADES 11-12 | 2 credits | Prerequisite Recommended- Principles of Education & Training

PRACTICUM IN EDUCATION & TRAINING

GRADE 12 | 2 credits | Prerequisite - Instructional Practices in Education & Training

LAW ENFORCEMENT PROGRAM OF STUDY

LAW ENFORCEMENT I/II

GRADES 11-12 | 1 credit Fall Semester/1 credit Spring Semester

CRIMINAL INVESTIGATIONS / CORRECTIONAL SERVICES

GRADE 12 | 1 credit Fall Semester/1 credit Spring Semester | Prerequisite - Law Enforcement I & II

LEGAL STUDIES PROGRAM OF STUDY

COURT SYSTEMS & PRACTICES / ADVANCED LEGAL SYSTEMS

GRADES 11-12 | 1 credit Fall Semester/1 credit Spring Semester

*PRACTICUM IN LAW, PUBLIC SAFETY, CORRECTIONS & SECURITY

GRADE 12 | 2 credits | Prerequisite - Court Systems & Practices & Advanced Legal Systems

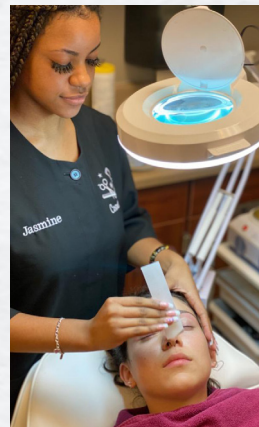
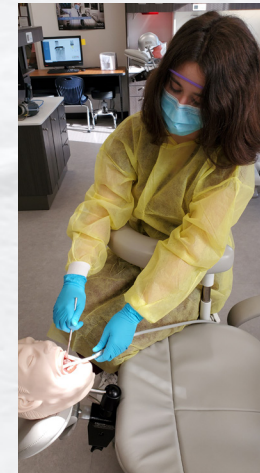
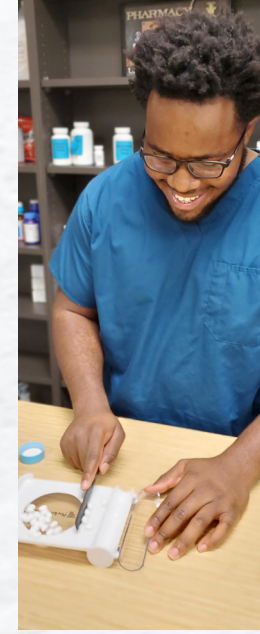
*The practicum is an alternative option for 2nd year students in the Law Enforcement program of study.

STEM

PRACTICUM IN STEM

GRADE 12 | 2 credits | Prerequisite - Engineering Science

**For these courses students must meet several requirements before school begins to maintain eligibility. These requirements include, but are not limited to clear background check, negative drug screen, specific vaccinations, and proof of legal immigration status. Details will be provided to students accepted into the program at a mandatory orientation in the Spring. (This may also be applicable to PACE students with specific internships.)



FREQUENTLY ASKED QUESTIONS

WHAT ARE THE BENEFITS OF TAKING A CTE COURSE AT MILLER?

All of our courses provide an opportunity to gain a certification, industry credentials, or field experience. The course work may provide job opportunities as well as introduce students to industry standards in a specific career area. Students have the opportunity to discover careers to pursue after high school graduation.

HOW MANY CREDITS WILL I EARN FOR TAKING A MILLER CTE COURSE?

All CTE courses at Miller count as elective credits - most are 2 credits/2 periods or 3 credits/3 periods. There are two exceptions, PACE KAP/GT which is 1 credit/1 period, and Construction Trades I/Principles of Construction which is 3 credits/2 periods. Students should plan to attend Miller for at least three periods as most of our CTE courses are paired with a core class to fit the student's course request/needs.

HOW DO I COORDINATE MY SCHEDULE TO ATTEND MILLER AND MY HOME CAMPUS?

Students attend part of the day at their home campus and part of the day at Miller. The Miller counselor and home campus counselor will create a schedule so it satisfies both your credit needs and your Miller course request if possible.

IS MILLER AVAILABLE TO ALL STUDENTS?

Miller courses are for KISD students classified as juniors or seniors. Sophomores and juniors can request a Miller course for the following school year. Courses at Miller have limited enrollment. If demand for a course exceeds the maximum allowed enrollment, students' acceptance into a course may be determined by the following factors: unexcused absences, discipline, and official GPA. Decisions as to whether a particular course will be taught are based upon the number of students requesting the course and availability of personnel.

HOW WILL I GET TO AND FROM MY HOME CAMPUS AND MILLER?

Bus transportation is available for MCTC students, or students may provide their own transportation. Students who are enrolled in our morning classes are picked up from a designated neighborhood pick-up point and transported to MCTC. Students will not be picked up from their home campus to attend Miller in the morning. After the morning classes are dismissed, the students will be transported to their home campus. Students enrolled in the afternoon MCTC classes will be transported from their home campuses to Miller and then transported to a designated drop-off point in their neighborhood upon dismissal.

Scan here for answers to more frequently asked questions.



Scan QR code to submit a course request, or visit the Miller Career & Technology Center website.



<https://www.katyisd.org/MCTC>



MISSION STATEMENT

At Miller Career & Technology Center, we develop college- and career-ready students through engaging, real-world experiences.

ADMINISTRATION

Kelley Kirila, *Principal*
Judy Gray, *Assistant Principal*
Eileen Paulus, *Assistant Principal*
Kristel Green, *Counselor*

It is the policy of Katy ISD not to discriminate on the basis of sex, disability, race, religion, color, gender, age, or national origin in its educational programs and/or activities including career and technology programs, nor in its employment practices.



Miller Career & Technology Center
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