

### ÍTEM A.1 (REVISIÓN DE LA AGENDA)

¿Qué porcentaje de nuestros estudiantes NO están inscritos en cursos de AP, IB, crédito doble, matrícula doble, CTE/IBC, etc.? **\*ACTUALIZADO 2/7/23\***

El veinte por ciento de los estudiantes no están inscritos en ninguno de estos cursos o programas.

¿Qué porcentaje de nuestros estudiantes están inscritos en más de uno estos cursos o programas? **\*ACTUALIZADO 2/7/23\***

El 37% de los estudiantes están inscritos en más de un curso o programa.

Provea el archivo que incluyeron en la solicitud de la Mesa Directiva sobre datos de certificaciones de la industria, así como las preguntas y respuestas. (#3471).

El documento está [aquí](#).

Adjunte la hoja de cálculo - Programas de Educación Vocacional y Técnica (CTE) - que era parte de las preguntas y respuestas de mayo.

El documento está [aquí](#) y se [incluye en las Preguntas y Respuestas](#).

¿Qué sistemas tenemos para evaluar la efectividad de los programas de Educación Vocacional y Técnica (CTE) (los estudiantes realmente están obteniendo sus certificaciones industriales (IBC) y tienen un empleo remunerado en su campo después de la preparatoria), y cómo están evaluando esos sistemas?

Es inherentemente difícil rastrear el empleo después de la preparatoria debido a barreras que impiden recibir los datos de empleo de fuentes estatales y federales. Incluso con esos datos, es difícil evaluar si el trabajo está en el ámbito laboral para el cual el estudiante se preparó. Por ejemplo, no se puede saber a partir de los datos del gobierno si un estudiante que obtuvo una certificación de HVAC y está trabajando para Exxon Mobile está utilizando en ese trabajo la certificación laboral que obtuvo. Para compensar parcialmente esta falta de información, utilizamos encuestas de egreso para saber dónde los estudiantes piensan que trabajarán y qué harán después de la graduación. Si bien esto no genera datos completos, puede generar suficiente información como para evaluar qué tan efectivos son los programas IBC para lograr un empleo remunerado relacionado.

Lo que tenemos el poder de hacer ahora es medir la eficacia con la cual los estudiantes logran obtener las certificaciones. Hemos visto que necesitamos hacer este análisis por escuela, porque muchas de las barreras que impiden a los estudiantes completar sus IBC se encuentran en la escuela. Para mitigar estas barreras, el departamento de preparación CTE celebra reuniones periódicas con el liderazgo de la escuela y cuenta con especialistas del distrito que trabajan con el personal escolar. Colaboran con los maestros para que el material se enseñe con fidelidad a fin de maximizar el éxito de los estudiantes que obtienen sus IBC. También colaboran con consejeros y líderes de Nivel II para asegurar que se ofrezcan los cursos

adecuados y que la escuela inscriba a los estudiantes en esos cursos. Como paso final, monitorean constantemente el número de cupones IBC ordenados, completados y registrados para garantizar que los estudiantes cumplan ese importante paso. Las reuniones anuales de revisión se llevan a cabo con el liderazgo en cada escuela para analizar datos del mercado laboral, la matrícula, la finalización de los cursos y los resultados de los estudiantes de IBC.

**¿Están evaluando a los estudiantes que podrían calificar para fondos adicionales por resultados de Preparación Universitaria, Vocacional y Militar (CCMR)? ¿Hay estudiantes que están cerca de cumplir con los criterios y solo necesitan un impulso? Por favor, expliquen.**

Los fondos adicionales por resultados de CCMR se pueden obtener de dos maneras:

- 1) El estudiante obtiene estatus de preparado para la universidad por sus puntuaciones en los exámenes estandarizados (SAT, ACT, TSIA2) y se inscribe en la universidad el siguiente semestre de otoño; o
- 2) El estudiante obtiene certificación IBC y se inscribe en la universidad el siguiente semestre de otoño.

Hemos hallado que alrededor del 80% de los estudiantes que se inscribieron en la universidad y estaban cerca pero no cumplieron ninguna de las dos opciones, estaban más cerca en la de preparación para la universidad. Por tanto, estamos preparando a estos estudiantes estratégicamente a fin de que logren una puntuación de SAT o TSIA2 que indique que están listos para la universidad, dependiendo de las circunstancias particulares de cada estudiante. Para esto utilizamos herramientas como Khan Academy.

Aumentar la bonificación por resultados de CCMR entre los estudiantes de la opción IBC implica alentar a los que obtienen el IBC y tal vez no se ven como "material universitario" a explorar oportunidades en colegios comunitarios para acrecentar las credenciales que ya obtuvieron en la preparatoria. Actualmente hay en las escuelas ocho asesores de preparación vocacional que se especializan en este trabajo. Además, procuramos que los estudiantes completen su IBC. El maestro de CTE que administra los exámenes brinda instrucción y toma decisiones con respecto al conocimiento y el desarrollo de las habilidades que necesitan los estudiantes para el éxito. Para las plataformas que tenemos donde se puede identificar puntualmente el dominio de objetivos, proveemos a los maestros recursos adicionales disponibles y pagamos un examen adicional para brindar al estudiante la oportunidad de obtener el IBC.

**¿Cómo están evaluando la correlación entre las demandas del mercado laboral, lo que los estudiantes y las familias quieren y qué certificaciones industriales (IBC) ofrecemos??**

El equipo de Preparación Vocacional monitorea constantemente los datos de la Comisión de la Fuerza Laboral de Texas y el Consejo del Área de Houston-Galveston. Además, mantiene una comunicación continua con su Consejo Asesor Empresarial, así como con otros socios comerciales para estar al corriente de lo que los empleadores buscan y lograr que nuestros programas brinden a los estudiantes los conocimientos y habilidades valoradas en la industria.

En el lado del estudiante y la familia, antes de hacer cambios a los programas de Educación Vocacional y Técnica ofrecidos en una escuela, la escuela realiza una encuesta de la comunidad para conocer los intereses de los estudiantes, las familias y las empresas locales. Después de la encuesta, el personal de Preparación Vocacional se reúne con los líderes de la escuela para determinar dónde hay superposición

entre los intereses de la comunidad y los datos de empleos regionales.

Aualmente, el personal de Preparación Vocacional se reúne con la administración de la escuela para discutir las tasas de inscripción y finalización del programa, y si es mejor continuar con el programa, ajustarlo o hacer una transición a otro. Por último, si la escuela de la zona de residencia de un estudiante no ofrece un programa que le interese al estudiante, puede solicitar admisión a otros programas con transferencia Magnet o CTE en la Oficina de Opciones Escolares.

### ¿Qué barreras impiden aumentar la participación de los estudiantes, la tasa de finalización de los cursos y el acceso a la Educación Vocacional y Técnica (CTE) y las certificaciones industriales (IBC)?

Enfrentamos muchas de las mismas barreras y retos que otras áreas académicas en cuanto a la pérdida de aprendizaje y la retención de maestros. Encontrar maestros certificados y calificados capaces de enseñar ciertos cursos es un obstáculo frecuente en varias opciones de CTE. Algunas de nuestras mayores barreras obedecen a la logística y la programación con las escuelas. Cuando los estudiantes se atrasan en las clases académicas básicas, la finalización de los programas de estudio es más difícil. Continuamos trabajando con los líderes de las escuelas y asesorándolos para ayudar con la programación maestra de los cursos y la secuencia de los programas. A menudo, la entidad certificadora en sí plantea requisitos que son más exigentes para el distrito que los que exigían anteriormente. Colaboramos con Servicios Legales y otros distritos asociados para encontrar soluciones, y hemos aumentado las oportunidades experienciales para que los estudiantes conecten con diferentes socios de la industria. Los estudiantes han participado en múltiples actividades que les permiten poner a prueba un trabajo específico y proporcionan aprendizaje práctico sobre múltiples oficios. Estamos involucrando a los estudiantes de secundaria ofreciendo eventos que los exponen a carreras no tradicionales como el "Día de las jóvenes en la industria" que tendrá lugar durante el mes de CTE en febrero.

### ÍTEM A.1 (REUNIÓN DE LA MESA DIRECTIVA)

#### ¿Cuál es la visión y el plan a largo plazo para *Grow Your Own*?

Una iniciativa del compromiso del plan estratégico para contar con talento de primera clase son los programas *Grow Your Own*. El alcance de esta iniciativa es dotar a los futuros maestros con habilidades, conocimientos y certificación para que sean docentes líderes. Nuestro propio Programa de Certificación Alternativa de HISD es parte de la iniciativa, y hemos aumentado significativamente la participación en el programa en el ciclo escolar 2022-2023, agregando un grupo de mitad de año y aprovechando los fondos de ESSER para que el programa sea gratuito para los participantes, y continuará siendo gratuito en el año fiscal 2023-2024. La Oficina de Talento continuamente busca, colabora y planifica con varios socios de instituciones de la educación superior (IHE), en particular la Universidad de Houston, la Universidad de Houston-Downtown y la Universidad de Houston-Clear Lake.

El propósito ha sido identificar áreas de asociación que permitan a HISD establecer programas coordinados, priorizados, apoyados financieramente y sostenibles para futuros maestros, con énfasis especial en las poblaciones objetivo, que son los graduados de HISD y los asistentes de enseñanza de HISD. Con el apoyo de Houston Endowment, prevemos la inscripción próxima de una o más asociaciones, como programas de aprendizaje del Departamento de Trabajo. Si bien estas distintas

gestiones continúan simultáneamente, en enero comenzamos el trabajo para crear un plan integral del programa *Grow Your Own* en un período de seis meses. Compartiremos más detalles sobre la visión y el plan a largo plazo cuando ese trabajo esté terminado.

### ¿Todas las escuelas están usando T-TESS?

Sí. Adoptamos la rúbrica del Sistema de Evaluación y Apoyo de los Maestros de Texas (T-TESS) como marco de instrucción para el distrito y colaboramos con el Centro de Servicios Educativos de la Región IV para capacitar al 100% de los evaluadores de las escuelas. Después de los comentarios iniciales de un comité de diseño docente y un comité técnico, elaboramos un sistema de evaluación docente T-TESS que incluye varias medidas de desempeño: 40% de práctica de instrucción, 40% de crecimiento estudiantil y 20% de retroalimentación de los estudiantes. En estas decisiones de diseño, consideramos nuestras prioridades para proporcionar a los maestros información justa, precisa y útil, a la vez que creamos la base para un programa exitoso de asignación de incentivos para maestros. Colaboramos en actividades de calibración continuas en todas las escuelas, involucrando a los líderes escolares en el análisis de las tendencias de la práctica de instrucción y las calificaciones de observación. Dado nuestro interés en la gestión de cambio eficiente, anunciamos que las primeras calificaciones sumativas de los maestros en el marco de T-TESS serán en la primavera de 2024, lo que dará tiempo para analizar las experiencias del primer año y ajustarlas según sea necesario.

### Sírvase describir el apoyo personalizado para maestros recién contratados. Por favor, describa el apoyo para directores en torno a la gestión y supervisión del talento.

El apoyo personalizado para los maestros recién contratados se incluye en la respuesta del superintendente como uno de los apoyos específicos para estos maestros en las escuelas identificadas para la medida de progreso de restricción. Primero, durante los próximos cinco meses, el Programa de Certificación Alternativa de HISD y los equipos de Desarrollo Profesional de Maestros, cada uno de los cuales brinda apoyo directo e indirecto a los maestros recién contratados, proporcionarán más horas de apoyo a los maestros de las escuelas identificadas. En segundo lugar, brindaremos más apoyo personalizado por email y por teléfono a los maestros recién reclutados en estas escuelas antes y después de administrar nuestro nuevo proceso de Intención de Retorno en febrero y marzo. La gestión y supervisión estratégica del talento es una de las nueve iniciativas del compromiso del plan estratégico para contar con talento de primera clase. El propósito de esta iniciativa es proveer apoyo proactivo y estratégico a los directores de escuela y otros encargados de contratación. La oficina de talento cuenta con un departamento de gestión de talento compuesto por gerentes, cada uno de ellos con un número de casos de directores de escuela o supervisores de la oficina central a quienes apoyan como enlace para todo lo relacionado con la gestión de talento y personal. En noviembre y diciembre, los directores de escuela fueron asignados a su nuevo (o continuo) gerente de talento, y hemos recibido comentarios muy positivos sobre el apoyo diario que están brindando. Más adelante, un ejemplo de apoyo coordinado estará relacionado con una nueva encuesta del personal de todo el distrito. A medida que el distrito introduce una nueva encuesta de la cultura educativa de los maestros (y otro personal escolar) esta primavera, los gerentes de talento apoyarán a los directores en la revisión y planificación en función de los comentarios de esa encuesta.

### ÍTEM A.2

Por favor, explique la Función 91 y la Función 97.

La Función 91 es el pago de recuperación; la descripción es el nombre que la TEA le da a esta función. La Función 97 es nuestros pagos de la Zona de Reinversión de Impuestos (TIRZ). Estos son acuerdos contractuales por los cuales los impuestos que recaudamos en estas zonas se remiten a la Ciudad de Houston para financiar una parte del plan general de la ciudad para las zonas. La Ciudad de Houston a cambio envía una parte a HISD para el apoyo de las instalaciones de enseñanza.

### ÍTEM A.4

¿Dónde está este informe?

HERC está editando el borrador final a medida que se finalizan los informes más recientes. El informe final se compartirá con los representantes en la reunión de la Mesa Directiva del 9 de febrero.

### ÍTEM H.1

¿Cómo se determinó que estas escuelas eran las más necesitadas? ¿Qué criterio aplicaron?

La necesidad de reemplazo del techo fue determinada por la Evaluación de las Condiciones de las Instalaciones junto con el techador maestro de HISD, quien determinó que la necesidad en las escuelas especificadas era crítica en ese momento.

¿Por qué Atlas está dos veces en la lista? ¿Y dos cantidades separadas?

Se prepararon tres (3) paquetes para obtener los mejores precios en ofertas de techado y, por lo tanto, cada paquete de licitación es un paquete independiente; Atlas Roofing presentó la mejor propuesta de costos para dos de los tres paquetes. Cada proveedor puede presentar ofertas para tantos paquetes como desee. Cada paquete de licitación tiene un alcance específico para las escuelas y el costo puede variar según el alcance del proyecto.

### ÍTEM H.3

¿Qué otras escuelas se pueden beneficiar de esta idea? ¿Qué circunstancias previsibles podrían causar que el costo aumente de \$500k a más de \$1M?

Este proyecto fue planificado y financiado por la escuela. Cualquier beneficio académico requeriría una respuesta de la administración de la escuela.

El presupuesto para este proyecto aumentó debido a la disponibilidad de fondos adicionales proporcionados a la escuela por fuentes externas.

### ¿De qué función se asignan estos fondos? ¿Cómo se seleccionó esta escuela?

Esto se financiaría con cargo a la adquisición y construcción de instalaciones, Función 81. Los fondos se derivaron de una subvención de asignaciones de HUD de la oficina de la congresista Sheila Jackson Lee. El proyecto se inició en la Preparatoria Booker T. Washington en 2016. Los estudiantes de Booker T. Washington presentaron el proyecto a la comunidad y la oficina de la congresista se interesó y quiso ayudar en el llamado “Proyecto Visión Booker T. Washington”.

#### ÍTEM I.1

### ¿En qué escuelas se ha encontrado asbesto? ¿Cuál es exactamente el propósito de una gestión de proyectos? ¿Por qué no se puede sencillamente retirar el asbesto?

Este proyecto preventivo permite al distrito contratar a una empresa consultora externa para pruebas de muestreo y gestión de proyectos en caso de que se detecte asbesto en un edificio del distrito.

### ¿Qué escuelas tienen programa culinario? ¿Por qué no hay publicidad para este programa?

Actualmente seis escuelas ofrecen el programa de estudio de Artes Culinarias. Todos los programas de Educación Vocacional y Técnica se encuentran en el sitio web del departamento, junto con Opciones Escolares y la herramienta "School Finder" del distrito. Además, las escuelas organizan sus propios eventos para promover sus programas a los estudiantes y padres.

#### ÍTEM I.4

### ¿La matrícula de Texas Connections Academy disminuyó? Pensé que tenían una lista de espera. ¿En cuánto disminuyó?

La matrícula de Texas Connections del ciclo 2022-2023 es 8,967 mientras que en el ciclo 2021-2022 era 10,127, según las cifras del primer semestre. Ahora que las escuelas han regresado al aprendizaje presencial, la demanda de un entorno virtual ha disminuido significativamente.

### Parece que muchas de nuestras fuentes de ingresos están disminuyendo. ¿Hemos pensado en otras fuentes de ingresos? Por favor, dé ejemplos de lo que otros distritos de la región y de Texas están haciendo al respecto.

Los ingresos generales están aumentando para el Fondo General, el Servicio de la Deuda y los Servicios de Nutrición. En el Fondo General, los ingresos por impuestos a la propiedad están disminuyendo mayormente debido a la tasa impositiva más baja adoptada en octubre de 2022, determinada mediante un proceso de la TEA aprobado por los votantes, a pesar de que los valores certificados de las propiedades fueron más altos en comparación con los valores estimados certificados.

En los distritos escolares, hay dos maneras principales de generar nuevos ingresos retenibles (netos de recuperación estatal):

1) aumentar la matrícula y la asistencia diaria promedio y lograr que los estudiantes sean identificados adecuadamente en categorías especiales, por ejemplo, económicamente desfavorecidos



2) llevar a elecciones la tasa impositiva aprobada por los votantes (VATR) para que los contribuyentes aprueben un aumento de la tasa impositiva de mantenimiento y operaciones del distrito

En el Fondo de Servicio de la Deuda, los impuestos a la propiedad están aumentando debido a los mayores valores certificados de las propiedades en comparación con los valores estimados certificados.

En el Fondo de Servicios de Nutrición, el principal impulsor es un aumento temporal en las tasas federales de reembolso para comidas escolares.

### **REFERENCIA AL MANUAL DE GOBERNANZA DE LONE STAR PARA VISIÓN Y OBJETIVOS 4 (CPMS):**

¿El estado de cada medida de progreso de restricción se puede actualizar varias veces durante el año escolar? ¿Cómo se ajustará el calendario de monitoreo?

Sí, cada una tendrá datos que se pueden compartir varias veces. El calendario de monitoreo se está actualizando y se incluirá en la agenda de la reunión de la Mesa Directiva de marzo si estos CPM son considerados predictivos de la restricción misma por los representantes en febrero.

¿Cuáles son los objetivos anuales para las medidas de progreso de restricción propuestas?

Una vez que los representantes den a la administración la aprobación para seguir adelante con los CPM recomendados, se establecerán objetivos anuales y se presentará un informe durante la primera ronda.

¿Cómo lograrán estas medidas de progreso de restricción (CPM) motivar a la organización a centrarse en la visión?

Estos objetivos más altos presentan un reto a la organización, ya que requieren de medidas significativas, continuación de las asociaciones actuales, un cambio en la asignación de recursos para las medidas de asistencia y la colaboración de las escuelas y la administración para la identificación del espacio.

¿Cómo lograrán estas medidas de progreso de restricción (CPM) motivar a la organización a defender los valores de la comunidad?

Están alineados y son predictivos de la restricción que fue redactada por los representantes para coincidir con los valores de la comunidad que identificaron antes de adoptar las restricciones. Por lo tanto, al ser predictivos, a su vez también motivan a la organización a defender los valores de la comunidad.

¿Cómo son predictivos de la Restricción 2?

Cada una de estas tres áreas es predictiva en el sentido de que son indicadores de programas efectivos de servicios integrados. Al centrarnos en estos indicadores, podemos ofrecer un programa efectivo.

¿Son influenciables por el superintendente?

Sí, porque requieren trabajo de la administración para lograr el éxito.

¿Qué participación y comunicación con la comunidad se llevó a cabo para lograr una involucración comunitaria amplia en estas medidas de progreso de restricción por parte de los estudiantes, el personal y los miembros de la comunidad?

En colaboración con HERC, Servicios Integrados de HISD realizó múltiples encuestas a familias y estudiantes para identificar las necesidades de la comunidad en esta área. Estas medidas de progreso de restricción están alineadas con los recursos que se necesitan para apoyar a los estudiantes. Además, se hizo un análisis de datos ya que nos centramos en los impactos negativos del ausentismo crónico y la deserción escolar, por lo que se agregó el CPM adicional a fin de abordar la mitigación de estos impactos.

Una inquietud sobre las actuales medidas de progreso de restricción (CPM) es que están midiendo los resultados de los adultos y no la efectividad en términos de impacto estudiantil. Esto conlleva el potencial de promover un enfoque en el cumplimiento de cuotas en lugar de identificar y apoyar eficazmente las necesidades de los estudiantes. La propuesta revisada de CPM 2.1 cambia exitosamente el enfoque a los estudiantes; sin embargo, los CPM 2.2 y 2.3 están escritos de manera que se mantiene el enfoque en los resultados de los adultos. ¿Podrían redactarse centrándola más en el estudiante?

Las CPM 2.2 y 2.3 están escritas para enfatizar los elementos fundamentales de los sistemas integrados efectivos. Las investigaciones sugieren que para poder apoyar 2.1, debe haber una disponibilidad clara y constante de recursos para satisfacer la necesidad más inmediata de los estudiantes. Con base en los datos de la plataforma del distrito y la Encuesta de Evaluación de Necesidades del Consorcio de Investigación Educativa de Houston, las necesidades básicas (inseguridad alimentaria, ropa, productos de higiene, etc.) y las necesidades físicas y socioemocionales siguen siendo las mayores necesidades identificadas en nuestro distrito.

Específicamente para la medida de progreso de restricción (CPM) 2.2, ¿el aumento del número de escuelas con un espacio de recursos básicos garantiza automáticamente que todos los estudiantes identificados como necesitados de esos recursos los reciban "inmediatamente" desde el momento en que se identifica la necesidad en PURPLE?

Las investigaciones demuestran que la esencia de los sistemas de servicios integrados es eliminar barreras para que las familias aumenten el potencial de preparación académica de los estudiantes. La capacidad de satisfacer las necesidades básicas de los estudiantes a menudo se considera una acción crucial de apoyo integral efectivo en los sistemas escolares. Si bien este no es un proceso "automático", establecer un espacio en la escuela con artículos de primera necesidad acelera la capacidad de satisfacer las necesidades identificadas de nuestros estudiantes. Esto también crea un punto de apoyo constante tanto para el estudiante como para la familia, por lo que es una conexión más directa estar en la escuela, especialmente para los estudiantes que faltan a clase debido a que no tienen acceso a algunos de esos recursos.



Específicamente para 2.3, ¿cómo garantizará esta medida de progreso de restricción (CPM) que el porcentaje de estudiantes identificados como necesitados de servicios esté conectado con los servicios que necesitan? ¿El aumento del número de proveedores aumenta automáticamente la conexión de los estudiantes con esos servicios de manera oportuna? ¿Cómo se eligió el número objetivo? ¿Cómo garantiza esto la eficacia de los proveedores de servicios para satisfacer las necesidades identificadas de los estudiantes?

Mientras continuamos viendo la alta demanda de apoyo para la salud mental y reconociendo las barreras (como la capacidad, ubicación y tipo de servicios de nuestros socios, entre otros), queremos aumentar continuamente el número de socios en esa área. No obstante, aumentar el número de socios no aumenta automáticamente la conexión de los estudiantes con esos servicios porque el tipo de servicios puede variar, aunque sí aumenta la oportunidad de tener más ofertas para atender a tantos estudiantes como sea posible. Algunos proveedores pueden ser financiados por subvenciones que requieren que el estudiante tenga seguro, un número del seguro social u otros requisitos limitantes. El objetivo se eligió en función de cálculos del número promedio de socios que han podido ser incorporados en un ciclo escolar determinado. Hay investigaciones que indican que los servicios integrados efectivos en un entorno escolar deben incluir una gama de servicios, entre ellos los servicios para la salud mental, lo cual requiere la colaboración con socios y organizaciones que puedan ofrecer esos servicios de manera coordinada, integral y accesible.

Si bien la restricción establece específicamente "servicios integrados", ¿los servicios de apoyo proporcionados por otros departamentos, como los Servicios de Apoyo al Estudiante, se incluyen también en los datos medidos por CPM 2.1?

Sí. En esta restricción, el término "sistemas integrados" es más amplia e incluye los Servicios de Apoyo Estudiantil, como consejeros, trabajadores sociales y salud física y mental. El departamento de Servicios Integrados es parte de este sistema, ya que son los conectores, pero los servicios y apoyos abarcan una colaboración más amplia que incluye apoyo a la administración escolar. Durante los últimos dos años, nos hemos centrado en asegurar la disponibilidad de apoyo holístico y diseñar formas de crear un ecosistema sostenible para apoyar las necesidades de los estudiantes, y continuaremos agregando más capas para garantizar la continuidad de la atención y el apoyo. Contar con las herramientas adecuadas para llegar a este objetivo será fundamental para el éxito de la ejecución de sistemas de apoyo efectivos.

¿Qué porcentaje de estudiantes de Nivel III pasaron del Nivel III en el otoño de 2021 al Nivel II en la primavera de 2022?

Esta es una nueva métrica que monitorearemos ahora, y el sistema no estaba configurado para informar esta medida específica en años académicos anteriores.

¿Por qué estas medidas de progreso de restricción (CPM) finalizan en junio de 2024? Si bien los CPM pueden tener un plazo de uno a cinco años, la restricción no está limitada en el tiempo y, por lo tanto, estos CPM pueden finalizar en 2024, aunque no es obligación. No hay requisito de que la fecha límite para las restricciones sea la misma que para las metas.

La fecha de finalización de las restricciones ciertamente puede extenderse a la fecha que la Mesa Directiva considere más apropiada para medir el progreso de este trabajo. A medida que el trabajo evolucione, monitorearemos, revisaremos y ajustaremos cuando sea necesario. Basándonos en las conversaciones sostenidas durante la redacción de la medida de progreso, queremos asegurarnos de que las medidas de progreso sigan impulsando el cambio de comportamiento de los adultos en junio de 2024 cuando cumplamos con los objetivos de nuestros próximos pasos.

La revisión de 2.1 parece ser una medida impactante que no solo promoverá mejores resultados para los estudiantes que están ausentes crónicamente, porque no pueden aprender si no están en la escuela, sino que tiene el beneficio adicional de aumentar la ADA. Para esta medida de progreso de restricción (CPM), ¿por qué se eligió este objetivo y por qué el superintendente cree que solo necesitamos monitorear este CPM durante un año?

Los sistemas de servicios integrados basados en la escuela tienen el potencial de aumentar la asistencia de los estudiantes al abordar las barreras no educativas que pueden impedir que los estudiantes asistan a la escuela regularmente. Al proporcionar una gama de servicios y apoyos para abordar estas barreras, los sistemas de servicios integrados efectivos pueden crear un entorno de aprendizaje más positivo y productivo para los estudiantes así como conexiones positivas con adultos afectuosos, lo cual aumenta el sentido de pertenencia y la participación de los estudiantes en las escuelas, y a su vez puede conducir a una mejor asistencia. También reconocemos que aumentar la asistencia de los estudiantes es un tema complejo, y los sistemas de servicios integrados por sí solos podrían no tener la capacidad para resolver todos los factores que afectan la asistencia. Sin embargo, cuando se implementan de manera efectiva y con los recursos adecuados, pueden ser una estrategia efectiva para abordar algunas de las barreras no educativas para la asistencia y contribuir a mejorar la asistencia de los estudiantes.

Los objetivos actuales y las medidas de progreso de las restricciones vencerán en 2024; esta fecha coincide con el resto de los plazos de la Mesa Directiva. El superintendente cree que nuestros estudiantes, que a menudo enfrentan muchos desafíos socioemocionales, requieren un enfoque intencional para atender algunas de las necesidades identificadas más inmediatas. Los datos del primer año proporcionarán una línea de base hacia el monitoreo continuo del progreso y, si es necesario, se pueden hacer ajustes.

En la CPM 2.2 revisada, tal como se propone y en cuanto a las escuelas restantes que superan el objetivo de doscientos, ¿para cuántas de estas escuelas los datos demuestran que existe la necesidad de un espacio de recursos para necesidades básicas?

De acuerdo con lo que sugieren las prácticas óptimas y las investigaciones, contar con un sistema de servicios integrados efectivo en un entorno escolar debe incluir la capacidad de satisfacer las necesidades básicas lo antes posible. Considerando que tenemos 250 escuelas de Título I, al apuntar a doscientas

escuelas nos aseguramos de que al menos el 80% de ellas estén posicionadas para satisfacer las necesidades básicas identificadas de nuestros estudiantes.

**En la 2.3 revisada, ¿es setenta el número máximo que se necesita?**

Setenta sería el mínimo necesario, considerando que la demanda de servicios para la salud mental continúa las tendencias de los últimos 2,5 años.

Campus	Career Cluster	Program of Study	2022-2023 CTE Course Sequence (credit value)	Industry Based Certification Types Earned - 21/22	Program of Study Alignment 22/23	Implementation
AUSTIN	Architecture and Construction	Carpentry	CTE Options on Home Campus	NCCER Core Level I	YES	
			Construction Technology I (2)			
			Construction Technology II (2)*			
	Business, Marketing, and Finance	Business Management	Principles of Business, Finance and Marketing (1)	MOS Word, Google Analytics Individual Qualification	YES*, NO	
			Business Information Management I (1)			
			Business Information Management II (1)			
	Transportation, Distribution and Logistics	Distribution and Logistics	Business Management (1)*	MSSC Certified Logistics Technician (attempted)	YES	
			Principles of Maritime Science (1)^			
			Management of Transportation Systems (1)			
		Maritime Science	Distribution and Logistics (1) *	MSSC Certified Logistics Technician (attempted)	OSHA 30 Hour General*	
			Practicum in Distribution and Logistics (2)*			
			Principles of Maritime Science (1)			
	Information Technology	Networking Systems	Maritime Science I (1)^	MTA Networking Fundamentals	CompTIA A+ /Network+ /Server+, Cisco CCNA *(200-301), Cisco 100-490 RSTech, NOCTI Computer Networking Fundamentals - Job Ready	(DSA needed)
			Maritime Science II (1)^			
			Practicum in Distribution and Logistics (2)*			
		Web Development	Principles of Information Technology (1)	NONE	Oracle Certified Associate Java SE 8 Programmer, NOCTI Web Design - Job Ready	(DSA needed)
			Computer Maintenance (1)			
	Manufacturing	Welding	Networking (1)*	NCCER Core Level I, NCCER Welding Level I	YES, YES	
			Practicum in Information Technology (2)*			
			Principles of Information Technology (1)			
	STEM	Engineering	Project Based Research (1)*	AutoDesk Certified Professional or User AutoCAD	Autodesk Associate (Certified User) Inventor for Mechanical Design, Certified SOLIDWORKS Associate*	
Web Design (1)*						
Web Game Development (1) *OR Practicum in Information Technology (2)*						
Education and Training	Teaching and Training	Principles of Manufacturing (1)	Educational Aide I	YES		
		Introduction to Welding (1)				
		Welding I (2)				
BELLAIRE	Arts, Audio/Visual Technology, and Communication	Graphic Design and Multimedia Arts	Welding II (2)*	Adobe Certified Associate Photoshop	YES	
			Principles of Applied Engineering (1)			
			Engineering Design and Presentation I (1)*			
	Business, Marketing, and Finance	Business Management	Engineering Design and Problem Solving(1)*	Microsoft Office Specialist Word, Entrepreneurship and Small Business	YES*, YES	
			Engineering Design and Presentation II (2)*			
			Principles of Business, Marketing, and Finance (1) OR Business Information Management I (1)			
		Marketing and Sales	Marketing (1)^	Entrepreneurship and Small Business		
			Advertising (.5) AND Sports and Entertainment Marketing (.5)			
	Statistics and Business Decision Making (1)*					
	Transportation, Distribution, and Logistics	Distribution and Logistics	Principles of Distribution and Logistics (1)	Certified Logistics Technician, OSHA 30 General*		(DSA needed CLT)
			Occupational Safety and Environmental Technology (1)^			
			Raster Based Geographic Information Systems (1)^			
	Agriculture, Food, and Natural Resources	Animal Science	Distribution and Logistics (1)*	Certified Veterinary Assistant Level 1, Elanco Fundamentals of Animal Science, Licensed Veterinary Technician		
			Principles of Agriculture, Food, and Natural Resources (1)			
			Small Animal Management (.5) AND Equine Science (.5)			
		Plant Science	Livestock Production (1)*	TSFA Level 1 Floral Certification		
			Advanced Animal Science (1)* OR Veterinary Medical Applications (1)*			
	STEM	Programming and Software Development (1)	Principles of Agriculture, Food, and Natural Resources (1)	C++ Certified Associate Programmer, CompTIA Linux+, Oracle Certified Associate Java SE 8 Programmer, Oracle Database SQL Certified Associate	(DSA needed)	
			Floral Design (1)*			
			Advanced Floral Design (1)*			
		Programming and Software Development (2)	Advanced Plant and Soil Science (1)*	Apple App Development with Swift, Oracle Certified Associate Java SE 8 Programmer, Oracle Database SQL Certified Associate	(DSA needed)	
Computer Science I PAP (1)						
Human Services	Family and Community Services	AP Computer Science Principles (1)	Child Development Associate			
		AP Computer Science A (2)*				
		Computer Science III (1)*				
			Principles of Human Services (1)			
			Professional Communications (.5) AND Interpersonal Studies (.5)			
			Lifetime Nutrition and Wellness (1)			
			Counseling and Mental Health (1)*			
			Principles of Agriculture, Food and Natural Resources (1)			

CHAVEZ	Agriculture, Food and Natural Resources	Environmental and Natural Resources	Wildlife, Fisheries, and Ecology Management (1) Forestry and Woodland Ecosystems (1) Range Ecology and Management (1)*		Water Operators - Class D, Natural Resources Systems (NOCTI)	(Cold Start!)	
	Arts, Audio/Visual Technology, and Communication	Graphic Design and Multimedia Arts	Principles of Arts, A/V Technology and Communications (1) Graphic Design and Illustration I w/Lab (2) Graphic Design and Illustration II (1)* Practicum in Graphic Design and Illustration (2)*	Adobe Certified Illustrator, Adobe Certified Photoshop	YES, YES [Adobe Certified Professional in Visual Design Using Illustrator/Photoshop]		
			Digital Communications	Principles of Arts, A/V Technology and Communications (1) A/V Production I (1) A/V Production II (1)* Practicum in A/V Production (2)* OR Digital Audio Technology I (1)*	Adobe Certified Associate Premiere Pro	YES [Adobe Certified Professional in Digital Video Using Adobe Premiere Pro], Adobe Certified Professional in Visual Design Using Photoshop,	
		Agriculture, Food and Natural Resources	Animal Science	Principles of Agriculture, Food and Natural Resources (1) Livestock Production (1)* Veterinary Medical Applications (1)* Advanced Animal Science (1)*	Certified Veterinary Assistant Level I	YES, Elanco Veterinary Technician	
			Plant Science	Principles of Agriculture, Food and Natural Resources (1) Greenhouse Operations (1) Floral Design (1)* Advanced Plant and Soil Science (1)* Principles of Applied Engineering (1) Engineering Design and Presentation I (1) Digital Electronics (1)* Engineering Design and Problem Solving (1)*	Texas State Floral Association Floral Skills Knowledge Based	YES [Texas State Floral Association Floral Skills Knowledge Based, TSFA Level 1 Floral Certification]	
	STEM		Engineering	Principles of Applied Engineering (1) AC/DC Electronics (1) Solid State Electronics (1)* Digital Electronics (1)*		Autodesk Associate (Certified User) AutoCAD/+++, Autodesk Certified Professional in AutoCAD/+++	
		Renewable Energy	Principles of Applied Engineering (1) AC/DC Electronics (1) Solid State Electronics (1)* Digital Electronics (1)*		NCCER Electronic System Technician Level I, OSHA 30 General*		
	Law and Public Service	Emergency Services (1)	Principles of Law, Public Safety, Corrections, and Security (1) Disaster Response (1)^ Emergency Medical Technician - Basic (2)*^ Project Based Research (1)*		OSHA Harzardous Waste Operations and Emergency Response*		
			Emergency Services (2)	Principles of Law, Public Safety, Corrections, and Security (1) Disaster Response (1)^ Firefighter I (2)* Firefighter II (3)*		OSHA Harzardous Waste Operations and Emergency Response*	
		Health Science	Healthcare Therapeutic	Principles of Health Science (1) Medical Microbiology (1)* Medical Terminology (1) Pathophysiology (2)* OR Practicum in Health Science (2)*	Pharmacy Technician	YES (Patient Care Technician)	
	DEBAKEY	Health Science	Healthcare Diagnostics	Principles of Health Science (1) Health Science Theory (1)* Practicum in Health Science (First Time Taken) (2)* Practicum in Health Science (Second Time Taken) (2)*	Certified Clinical Medical Assistant	YES	
			Healthcare Therapeutic	Introduction to Pharmacy Science (1) Health Science Theory (1)* Practicum in Health Science (First Time Taken) (2)* Practicum in Health Science (Second Time Taken) (2)*	Pharmacy Technician	YES, Patient Care Technician	
		STEM	Renewable Energy	Principles of Applied Engineering (1) AC/DC Electronics (1) Project-Based Research (1)* Scientific Research and Design (1)* OR Solid State Electronics (1)*		NCCER Electronic System Technician Level I	
				Engineering	Principles of Applied Engineering (1) Engineering Design and Presentation I (1)* Engineering Design and Problem Solving (1)* Scientific Research and Design (1)*	OSHA 30 General	Autodesk Associate (Certified User) AutoCAD/+++, Autodesk Certified Professional in AutoCAD/+++
	EASTWOOD	STEM	Programming and Software Development	AP Computer Science Principles (1) Game Programming and Design (1) AP Computer Science A (2)* OR Mobile Application Development (1)* Independent Study in Technology Applications (2)*		Certified Entry-Level Python Programmer (PCEP)	(DSA needed)
			STEM	Renewable Energy	Foundations of Energy (1) Introduction to Renewable Energy (1) Environmental Sustainability (1) (PLTW)* Practicum in Science, Technology, Engineering and Mathematics (2)*		NCCER Electronic System Technician Level I
	ENERGIZED FOR STEM	STEM	Renewable Energy	Foundations of Energy (1) Introduction to Renewable Energy (1) Environmental Sustainability (1) (PLTW)* Practicum in Science, Technology, Engineering and Mathematics (2)*		NCCER Electronic System Technician Level I	
	ENERGY INSTITUTE	Manufacturing	Advanced Manufacturing and Machinery Mechanics	Principles of Manufacturing (1) Robotics I (1) OR Manufacturing Engineering Technology I (1) Robotics II (1)* OR Manufacturing Engineering Technology II (1)* Practicum in Manufacturing (2)*	Certified SOLIDWORKS Associate	NO, OSHA 30 General*	
		STEM	Engineering	Introduction to Engineering Design (1) Engineering Science (1)* Environmental Sustainability (1) (PLTW)* Engineering Design and Problem Solving (1)* OR Practicum in STEM (2)*	OSHA 30 General	Autodesk Associate (Certified User) AutoCAD/+++, Autodesk Certified Professional in AutoCAD/+++, Certified SOLIDWORKS Associate*	

FURR (Jordan Career Center)	Agriculture, Food, and Natural Resources	Environmental and Natural Resources	Principles of Agriculture, Food and Natural Resources (1) Wildlife, Fisheries, and Ecology Management (1) Forestry and Woodland Ecosystems (1) Scientific Research and Design (1)*	OSHA 30 General	Water Operators - Class D, Natural Resources Systems	(Cold Start)	
	Arts, Audio/Video Technology, and Communications	Graphic Design and Multimedia Arts	Principles of Arts, A/V Tech. and Communications (1) Digital Design and Media Production (1) Digital Art and Animation (1)* Career Preparation I (2)*	Adobe Certified Associate Illustrator, Adobe Certified Associate Photoshop, Adobe Certified Associate Premiere Pro	YES, YES [Adobe Certified Professional in Visual Design Using Illustrator/Photoshop]		
	Health Science	Healthcare Therapeutics	Principles of Health Science (1) Medical Terminology (1) Health Science Theory (1)* Pathophysiology (1)*	Certified Clinical Medical Assistant	Certified Clinical Medical Assistant		
HAIS	Business, Marketing, and Finance	Entrepreneurship	Business Information Management I (1) Mobile Application Development (1) Project Based Research (1)* Practicum in Entrepreneurship (2)*^	MOS Word, MOS Excel	Entrepreneurship and Small Business		
	Arts, Audio/Visual Technology and Communications	Graphic Design and Multimedia Arts	Graphic Design and Illustration I (1) Video Game Programming (1)* Advanced Video Game Programming (1)*^ Career Preparation (2)* OR Practicum in Entrepreneurship (2)*	Adobe Certified Associate Illustrator, Adobe Certified Associate Photoshop, Adobe Certified Expert Illustrator	YES, YES [Adobe Certified Professional in Visual Design Using Illustrator/Photoshop]		
	STEM	Programming and Software Development	Computer Science I (1) AP Computer Science Principles (1) Mobile Application Development (1) Career Preparation (2)* OR Practicum in Entrepreneurship (2)*^			Certified Entry-Level Python Programmer (PCEP)	(DSA needed)
		Engineering	Principles of Applied Engineering (1) Engineering Science (1)* Engineering Design and Problem Solving (1)* Scientific Research and Design (1)*			Autodesk Associate (Certified User) AutoCAD/+++, Autodesk Certified Professional in AutoCAD/+++, Certified SOLIDWORKS Associate*	
	Law and Public Service	Government and Public Administration	Principles of Government and Public Administration (1) Political Science I (1) Political Science II (1)* Planning and Governance (1)* OR Practicum in Local, State and Federal Government (2)*			NONE	ALTERNATE CCMR
	HEIGHTS (Jordan Career Center)	Arts, Audio/Visual Technology and Communications	Graphic Design and Multimedia Arts	Digital Design and Media Production (1) Digital Media (1) Graphic Design and Illustration I (1) Graphic Design and Illustration II (1)*	Adobe Certified Associate Photoshop, Adobe Certified Expert Photoshop	YES, YES [Adobe Certified Professional in Visual Design Using Illustrator/Photoshop]	
Digital Communications			Principles of Arts, A/V Technologies and Communications (1) Audio/Video Production I (1) Audio/Video Production II w/Lab (2)* Digital Audio Technology I (1)	Adobe Certified Associate Premiere Pro, Adobe Certified Expert Premiere Pro	YES [Adobe Certified Professional in Digital Video Using Adobe Premiere Pro], Adobe Certified Professional in Visual Design Using Photoshop		
Business, Marketing, and Finance		Accounting and Financial Services	Principles of Business and Marketing Finance (1) Accounting I (1) Accounting 2 (1)* Financial Mathematics (1)*	Intuit QuickBooks Certified User		YES	
		Business Management	Principles of Business and Marketing Finance (1) Business Information Management I (1) Business Information Management II (1) Business Management (1)*	MOS Word		YES*, MOS Word Expert	
Transportation, Distribution, and Logistics		Automotive	Energy and Power of Transportation Systems (1)* Automotive Basics (1) Automotive Technology I (2)* Automotive Technology II (2)* OR Practicum in Transportation Systems (2)*	ASE Brakes Entry Level, ASE Refrigerant Recovery and Recycling		YES	
Information Technology		Web Development	Web Game Development (1)* Web Design (1)* Independent Study in Technology Applications (1)* Project Based Research (1)*			NOCTI Web Design - Job Ready	(Cold Start)
Manufacturing		Advanced Manufacturing and Machinery Mechanics	Principles of Applied Engineering (1) Engineering Design and Presentation I (1)* Robotics (1) Robotics II (1)*	OSHA 30 General		YES*	
Health Science		Healthcare Diagnostics	Principles of Health Science (1) Health Science Theory (1)* Anatomy and Physiology (1)* Practicum in Health Science (2)*	Certified EKG Technician, Patient Care Technician		YES	
STEM		Cybersecurity	Foundations of Cybersecurity (1) Internetworking Technologies (1)^ TBD			Comp TIA A+/Network+/Security+, NOCTI Cybersecurity Fundamentals	(DSA needed)
		Government and Public Administration	Principles of Government and Public Administration (1) Political Science I (1) Political Science II (1)* Revenue, Tax, and Regulation (1)*		MOS Word		NONE



HSLJ	Law and Public Service	Emergency Services	Principles of Law, Public Safety, Corrections and Security (1)	IAED Emergency Telecommunicator	YES			
			Law Enforcement I (1)					
			National Security (1)*					
		Law Enforcement	Practicum in Law, Public Safety, Corrections, and Security (2)*	Non-Commissioned Security Officer Level II	YES			
			Principles of Law, Public Safety, Corrections and Security (1)					
			Law Enforcement I (1)					
		Legal Studies	Law Enforcement II (1)*	MOS Excel	NONE	ALTERNATE CCMR		
			Forensic Science (1)					
			Principles of Law, Public Safety, Corrections and Security (1)					
HSPVA	Arts, Audio/Visual Technology and Communications	Digital Communications	Political Science I (1) OR Business Law (1)					
			Political Science II (1) * OR Political Science I (1)					
			Court Systems and Practices (1)					
		Digital Communications	Principles of Arts A/V Technology and Communication (1)					
			Digital Communications in the 21st Century (1)					
			Audio/Video Production I (1)					
		HOUSTON MSTC (Jordan Career Center)	Architecture and Construction	Plumbing and Pipefitting	Audio/Video Production II (1)*			
					Audio/Video Production II (1)*			
					Principles of Construction (1)			
Business, Marketing, and Finance	Business Management		Plumbing Technology I (1)	MOS Word, MOS Excel	YES* [MOS Word Expert, MOS Excel Expert]			
			Plumbing Technology II (2)*					
			Practicum in Construction Technology (2)*					
Arts, A/V, Technology and Communications	Graphic Design and Multimedia Arts		Business Information Management I (1)	Adobe Certified Associate Photoshop	YES [Adobe Certified Professional in Visual Design Using Photoshop]			
			Business Information Management II w/Lab (2)					
			Business Management *(1) AND Human Resources Management (0.5)* AND Global Business* (0.5)					
Digital Communications	Digital Communications	Practicum in Business Management (2)*						
		Principles of Arts, A/V Technology, and Communications (1)						
		Graphic Design and Illustration I (1)						
Transportation, Distribution and Logistics	Automotive	Graphic Design and Illustration II w/Lab (2)*	ASE Maintenance and Light Repair Entry Level, ASE Refrigerant Recovery and Recycling	YES				
		Practicum in Entrepreneurship (2)*^						
		Principles of Arts, A/V Technology, and Communications (1)						
Information Technology	Networking Systems	Principles of Information Technology (1)	MTA Windows Operating System Fundamentals	CompTIA A+/Network+/Server+, Cisco CCNA *(200-301), Cisco 100-490 RSTECH	(DSA needed)			
		Computer Maintenance w/ Lab (2)						
		Networking w/ Lab (2)*						
Regional Programs	Drone (Unarmed Flight)	Computer Technician Practicum (2)*	FAA Part 107 Remote Drone Pilot					
		Robotics I (1)						
		Robotics II (2)*						
STEM	Programming and Software Development	Introduction to Unmanned Aerial Vehicles (1)^	Certified Entry-Level Python Programmer (PCEP)		(DSA needed)			
		Practicum in Manufacturing (2) *						
		Fundamentals of Computer Science (1)						
Health Science	Healthcare Diagnostics	Computer Science I (1)	Certified Clinical Medical Assistant	YES				
		Computer Science II (1)*						
		Computer Science III (1)*						
Human Services	Cosmetology	Principles of Health Science (1)	Cosmetology Operator License	YES				
		Medical Terminology (1)						
		Health Science Theory* (1) AND Anatomy and Physiology* (1)						
JONES	Architecture and Construction	Architectural Design	Practicum in Health Science (2)*					
			Introduction to Cosmetology (1)					
			Cosmetology I (2)*					
	HVAC and Sheet Metal (PTECH 22/23)	HVAC and Sheet Metal (PTECH 22/23)	Nail Care, Enhancements and Spa Services (2)^	OSHA 30 Hour General	YES* [OSHA 30 Hour General/Construction*, NCCER Core Level I/HVAC Level I, Refrigerant Handling EPA 608]			
			Cosmetology II (2)*					
			Principles of Architecture (1)					
	Health Science	Healthcare Diagnostics	Architectural Design I (1)	Pneumotom Technician, Certified EKG Technician, Certified Clinical Medical Assistant	YES			
			Architectural Design II (2)*					
			Practicum in Architectural Design (2)*					
Construction Management and Inspection	Construction Management and Inspection	Principles of Construction (1)						
		Heating, Ventilation, and Air Conditioning and Refr. Tech I (1)						
		Heating, Ventilation, and Air Conditioning and Refr. Tech II (2)						
Construction Management and Inspection	Construction Management and Inspection	Practicum in Construction Technology (2)*						
		Principles of Health Science (1)						
		Health Science Theory (1)*						
Construction Management and Inspection	Construction Management and Inspection	Anatomy and Physiology (1)*						
		Practicum in Health Science (2)* OR						
		Medical Microbiology (1)*						
Construction Management and Inspection	Construction Management and Inspection	Medical Microbiology (1)*						
		CTE Options on Home Campus						
		CTE Options on Home Campus						
Construction Management and Inspection	Construction Management and Inspection	Construction Management I (2)	NCCER Core Level I	YES				
		Construction Management II (2)*						

Barbara Jordan Career Center	Business, Marketing, and Finance	Marketing and Sales	CTE Options on Home Campus Retail Management (1)* AND Entrepreneurship (1) Advanced Marketing (2)* CTE Options on Home Campus	Entrepreneurship and Small Business	YES		
	Hospitality and Tourism	Culinary Arts	CTE Options on Home Campus Culinary Arts (2) Advanced Culinary Arts (2)* CTE Options on Home Campus	ServSafe Manager	YES		
	Transportation, Distribution and Logistics	Automotive	CTE Options on Home Campus ASE Refrigerant Recovery and Recycling, ASE Maintenance and Light Repair Entry Level (plus level 1 workforce certificates via college) Automotive Technology I DCH (2)* Automotive Technology II DCH (2)* CTE Options on Home Campus		YES		
	Architecture and Construction	Architectural Design	CTE Options on Home Campus Principles of Architectural Design (1) AND Architectural Design I (1) Architectural Design II (2)* CTE Options on Home Campus		Autodesk Associate (Certified User) AutoCAD		
		Electrical	CTE Options on Home Campus Principles of Construction (1) AND Electrical Technology I (1) Electrical Technology II (2)* CTE Options on Home Campus		NCCER Core Level I, NCCER Electrical Level I, OSHA 30 Hour General*		
	Energy	Refining & Chemical Processes	CTE Options on Home Campus Principles of Applied Engineering (1) AND Applied Mathematics for Technical Professionals (1)* Introduction to Process Technology (1) AND Petrochemical Safety, Health, and Environment (1)* CTE Options on Home Campus		NCCER Instrumentation Level I		
	Manufacturing	Welding	CTE Options on Home Campus Welding I (2) DCH Welding II (2)* DCH CTE Options on Home Campus	NCCER Welding Level I	YES [NCCER Core Level I, NCCER Welding Level I AWS Sense]		
	Education and Training	Teaching and Training	CTE Options on Home Campus Principles of Education and Training (1) AND Child Development (1) Instructional Practices (2)* CTE Options on Home Campus	Educational Aide I	YES		
	Human Services	Cosmetology	CTE Options on Home Campus Cosmetology I (2)* AND Nail Care, Enhancements and Spa Services (1)^ Cosmetology II (2)* AND Principles of Cosmetology Design and Color Theory (1)	Cosmetology Operator's License	YES		
	Law and Public Service	Government and Public Administration	CTE Options on Home Campus Political Science I (1) AND Planning and Governance (1)* Political Science II (1)* AND Public Management and Administration (1)* CTE Options on Home Campus		NONE		
	Health Science	Healthcare Diagnostics	CTE Options on Home Campus Principles of Health Science (1) AND Health Science Theory (1)* Practicum in Health Science (2)*	Certified Clinical Medical Assistant	YES		
KASHMERE	Arts, Audio/Visual Technology and Communications	Graphic Design and Multimedia Arts	Principles of Arts, A/V Technology and Communications (1) Graphic Design and Illustration I (1) Animation I (1) Animation II (1)*		Adobe Certified Professional in Visual Design Using Photoshop		
		Graphic Design and Multimedia Arts (Futures)	Principles of Arts, A/V Technology and Communications (1) Graphic Design and Illustration DCH (1) Animation I DCH (1) Practicum in Graphic Design and Illustration DCH (2)*		Adobe Certified Professional in Visual Design Using Photoshop		
	Business, Marketing, and Finance	Entrepreneurship	Business Information Management I (1) Entrepreneurship I (1) Entrepreneurship II (1)^ Practicum In Entrepreneurship (2)*^	MOS Word	Entrepreneurship and Small Business		
Arts, Audio/Visual Technology, and Communication	Graphic Design and Multimedia Arts	Digital Communications	Principles of Arts, A/V Technology, and Communications (1) Graphic Design and Illustration I (1) Graphic Design and Illustration II (1)* Commercial Photography I (1)	Adobe Certified Associate Photoshop	YES [Adobe Certified Professional in Visual Design Using Photoshop]		
			Principles of Arts, A/V Technology, and Communications (1) Audio/Video Production I (1) Audio/Video Production II (1)* Digital Audio Technology I (1)	Adobe Certified Associate Premiere Pro	YES [Adobe Certified Professional in Digital Video Using Adobe Premiere Pro], Adobe Certified Professional in Visual Design Using Photoshop		
	Business, Marketing, and Finance	Accounting and Financial Services	Principles of Business, Marketing and Finance (1) Money Matters (1) Accounting I (1) Accounting II (2)* Principles of Business, Marketing and Finance (1) Business Information Management I (1)	MOS Excel Expert, Quickbooks Certified User	YES		
				Entrepreneurship and Small Business. MOS Word. MOS Exoert			

LAMAR	Hospitality and Tourism	Business Management	Business Management (1)* Practicum of Business Management (2)* OR Global Business (0.5) * AND Human Resources Management (0.5)*	Word	YES [MOS Word Expert]		
		Culinary Arts	Principles of Hospitality and Tourism (1) Introduction to Culinary Arts (1)		ServSafe Manager		
			Culinary Arts (2) Food Science (1) * OR Practicum in Culinary Arts (2)*				
		Lodging and Resort Management	Principles of Hospitality and Tourism (1) Hotel Management (1) Travel and Tourism (1) Hospitality Services (2)* OR Practicum in Hospitality Services (2)*		Certified Hospitality and Tourism Professional		
	Agriculture, Food and Natural Resources	Animal Science	Principles of Agriculture, Food and Natural Resources (1) Livestock Production (1)* Veterinary Medical Applications (1)* OR Equine Science (0.5) AND Small Animal Management (0.5)	Certified Veterinary Assistant Level 1	YES		
			Advanced Animal Science (1)* OR Practicum in Agriculture, Food, and Natural Resources (2)*				
		Plant Science	Principles of Agriculture, Food and Natural Resources (1) Floral Design (1)* Landscape Design and Management (0.5) AND Turf Grass Management (0.5)	Texas State Floral Association Floral Skills Knowledge Based	YES [TSA Level 1 Floral Certification]		
			Horticultural Science (1) OR Practicum in Agriculture, Food, and Natural Resources (2)*				
	STEM	Engineering	Principles of Applied Engineering (1) Engineering Design and Presentation I (1)* Engineering Science (1)* Engineering Design and Presentation II (2)* OR Practicum in STEM (2)*	Autodesk Certified Professional or User AutoCAD	YES		
		Programming and Software Development	AP Computer Science Principles (1) Computer Science I PREIB (1) IB Computer Science Standard Level, Year 1 (1)* IB Computer Science Standard Level, Year 2 (1)* Principles of Exercise Science and Wellness (1)^		Certified Entry-Level Python Programmer (PCEP)	(DSA needed)	
	Health Science	Exercise Science and Wellness	Kinesiology I (1)^ Kinesiology II (1)^ Practicum in Entrepreneurship (2)*^		Certified Personal Trainer, Pre-Professional Certification in Nutrition, Food, Wellness	(Cold Start)	
	Human Services	Family and Community Services	Principles of Human Services (1) Human Growth and Development (1) Child Development (1) Family and Community Services (1)* OR Practicum in Human Services (2)*	OSHA 30 General	Child Development Associate		
	LIBERTY	Arts, Audio/Video Technology, and Communications	Graphic Design and Multimedia Arts	Principles of Arts, A/V Technology, and Communications (1) Graphic Design and Illustration I (1) Graphic Design and Illustration II (1)*		Adobe Certified Professional in Graphic Design and Illustration Using Adobe Illustrator	
	LONG ACADEMY	STEM	Biomedical Science	Principles of Biosciences (1) Biotechnology I (1) Pathophysiology (1)* NONE		Medical Laboratory Assistant, Medical Laboratory Technician	(Cold Start)
MADISON	Information Technology	Networking Systems	Principles of Information Technology (1) Internetworking Technologies I (1)^ Internetworking Technologies II (1) *^ Career Preparation I (2)*		CompTIA A+/Network+/Server+, Cisco CCNA *(200-301), Cisco 100-490 RSTECH	(DSA needed)	
	Transportation, Distribution and Logistics	Automotive	Principles of Transportation Systems (1) Energy and Power of Transportation Systems (1)* Automotive Technology I: Maintenance and Light Repair (2)* Automotive Technology II: Automotive Service (2)*		ASE Maintenance and Light Repair Entry Level, ASE Refrigerant Recovery and Recycling		
	Agriculture, Food and Natural Resources	Animal Science	Principles of Agriculture, Food and Natural Resources (1) Livestock Production (1)* Veterinary Medical Applications (1)* Advanced Animal Science (1)*		Certified Veterinary Assistant Level 1, Elanco Fundamentals of Animal Science, Licensed Veterinary Technician		
	Manufacturing	Advanced Manufacturing and Machinery Mechanics	Principles of Applied Engineering (1) Robotics I (1) Engineering Design and Presentation I (1)* Robotics II (1)*		OSHA 30 General*		
		Welding	Introduction to Welding (1) Welding I (2) Welding II (2)* Practicum in Manufacturing (2)*		NCCER Core Level I, NCCER Welding Level I		
	STEM	Engineering	Principles of Applied Engineering (1) Engineering Design and Presentation I (1)* Engineering Design and Presentation II (2)* Engineering Design and Problem Solving (1)*		Autodesk Associate (Certified User) Inventor for Mechanical Design, Certified SOLIDWORKS Associate*		
	Health Science	Healthcare Diagnostics	Principles of Health Science (1) Health Science Theory (1)* Anatomy and Physiology (1)* Practicum in Health Science (2)* Introduction to Cosmetology (1)		Certified Clinical Medical Assistant		

	Human Services	Cosmetology	Principles of Cosmetology Design and Color (1) Cosmetology I (2)* Cosmetology II (2)*		Cosmetology Operator License	
MICKEY LELAND CPA	Arts, Audio/Visual Technology and Communications	Graphic Design and Multimedia Arts	Digital Media (1) Digital Design and Media Production (1) Career Preparation I (2)* NONE	Adobe Certified Associate Photoshop	Adobe Certified Professional in Graphic Design Using Photoshop	
	STEM	Programming and Software Development	Fundamentals of Computer Science (1) AP Computer Science Principles (1) AP Computer Science A (1)* Career Preparation I (2)*		Certified Entry-Level Python Programmer (PCEP)	(DSA needed)
MIDDLE COLLEGE HS at HCC GULFTON	STEM	Programming and Software Development	Fundamentals of Computer Science (1) Computer Science I (1) Computer Science II (1)* Mobile Application Development (1)*	MOS Word	NO, Certified Entry-Level Python Programmer (PCEP)	(DSA needed)
MIDDLE COLLEGE HS at HCC FRAGA	Business, Marketing, and Finance	Marketing and Sales	Principles of Business, Marketing, and Finance (1) Virtual Business (0.5) AND Advertising (0.5)* Retail Management (1)*^ AND Marketing (1) Career Preparation I (2)*	MOS Word, MOS Word Expert	NO, NO, Entrepreneurship and Small Business	
MILBY	Architecture and Construction	Carpentry	CTE Options on Home Campus CTE Options on Home Campus Construction Technology I (2) Construction Technology II (2)*	NCCER Core Level I, OSHA 30 Construction*	YES, NO* (NCCER Carpentry Level I)	
		HVAC and Sheet Metal	Principles of Construction (1) HVAC and Refrigeration Technology I (1) HVAC and Refrigeration I Technology II (2)*		NCCER Core Level I, NCCER HVAC Level I, Refrigerant Handling EPA 608	
	Hospitality and Tourism	Culinary Arts	Introduction to Culinary Arts (1) Foundations of Restaurant Management (1) Culinary Arts (2) Advanced Culinary Arts (2)* Introduction to Welding (1)	ServSafe Manager	ServSafe Manager	
	Manufacturing	Welding	Welding I (2) Welding II (2)* NONE	AWE Sense Welding Level I	AWE Sense Welding Level I	
	STEM	Cybersecurity	Fundamentals of Computer Science (1) AP Computer Science Principles (1) Computer Science I (1) Cybersecurity Capstone (2)*^	MTA Introduction to Programming Using Python	NOCTI Security Fundamentals, Comp TIA A+/Network+/Security+	(DSA needed)
		Engineering	Principles of Applied Engineering (1) Engineering Design and Presentation I (1)* Engineering Design and Presentation II (2)* Engineering Design and Problem Solving (1)*	OSHA 30 General	Autodesk Associate (Certified User) Inventor for Mechanical Design, <u>Certified SOLIDWORKS Associate*</u> , NOCTI Engineering Technology Foundations	
	Health Science	Healthcare Diagnostics	Principles of Health Science (1) Medical Terminology (1) Health Science Theory with Clinical (2)* Practicum in Health Science (2)* Introduction to Cosmetology (1)	Clinical Medical Assistant	YES, Pharmacy Technician	
	Human Services	Cosmetology	Principles of Cosmetology Design and Color Theory (1) Cosmetology I (2) * OR Nail Care, Enhancements, and Spa Svcs (1)^ Cosmetology II (2)*		Cosmetology Operator License	
MOUNT CARMEL ACADEMY	Health Science	Health Informatics	Medical Terminology (1) Business Information Management I (1) Health Informatics (1)* NONE		Medical Billing and Coding Specialist	
NORTH HOUSTON ECHS	Business, Marketing, and Finance	Entrepreneurship	Principles of Business, Marketing and Finance (1) Entrepreneurship (1) Entrepreneurship II (1)* Project Based Research (1)* OR Practicum in Entrepreneurship (2)*	Entrepreneurship and Small Business, MOS Word	YES, NO	
	Law and Public Service	Government and Public Administration	Principles of Government and Public Administration (1) Political Science I (1) Dimensions of Diplomacy (1)*^ TBD		NONE	ALTERNATE CCMR
	Architecture and Construction	HVAC and Sheet Metal (DCH)	Principles of Construction (1) HVAC and Refrigeration Technology I (1) HVAC and Refrigeration Technology II (2)* Practicum in Construction Technology (2)*	Refrigerant Handling EPA 608 [25 current seniors]	YES (NCCER Core Level 1)	
	Information Technology	Networking Systems	Principles of Information Technology (1) Internetworking Technologies I (1) Internetworking Technologies II (1)* Career Preparation I (2)*	MOS Word/Excel	NO (Cisco 100-490/200-301, CompTIA Network+)	(DSA needed)

NORTH FOREST	Transportation, Distribution and Logistics	Automotive	Principles of Transportation Systems (1)	ASE Maintenance Light and Light Repair Entry Level, ASE Refrigerant Recovery and Recycling	YES		
			Energy, Power and Transportation Systems (1)				
			Automotive Basics (1)				
	Agriculture, Food and Natural Resources	Animal Science	Principles of Agriculture, Food and Natural Resources (1)	OSHA 30 General, Certified Veterinary Assistant	(NO) YES [Elanco Animal Science Cert]		
			Livestock Production (1)*				
			Veterinary Medical Applications (1)*				
			Practicum in Agriculture, Food and Natural Resources (2)*				
			Principles of Law, Public Safety, Corrections and Security (1)				
	Law and Public Service	Emergency Services	Disaster Response (1)^	OSHA 30 General	NO (OSHA Hazardous Waste Operations and Emergency Response*, IAED Emergency Telecommunicator)		
Firefighter I (2)*							
Anatomy and Physiology (1)*							
NORTHSIDE	Arts, Audio/Visual Technology and Communication	Digital Communications	Principles of Arts, A/V Technology And Communications (1)	Adobe Certified Associate Photoshop	YES	Adobe Certified Professional in Digital Video Using Adobe Premiere Pro, Adobe Certified Professional in Visual Design Using Photoshop,	
			Audio/ Video Production I (1)				
			Audio/ Video Production II (1)*				
		Graphic Design and Multimedia Arts	Practicum in Audio/ Video Production (2)*				
			Principles of Arts, A/V Technology And Communications (1)				
			Digital Media (1) OR Graphic Design and Illustration I (1)				
	Hospitality and Tourism	Culinary Arts	Principles of Hospitality and Tourism (1)	Certified Hospitality and Tourism Management Professional	YES	ServSafe Manager	
			Introduction to Culinary Arts (1)				
			Culinary Arts (2)				
		Lodging and Resort Management	Practicum in Culinary Arts (2)*				
			Principles of Hospitality and Tourism (1)				
			Hotel Management (1)				
STEM	Cybersecurity	Hospitality Services (2)*	Comp TIA A+/Network+/Security+	YES	(DSA needed)		
		Practicum in Hospitality Services (2)*					
		Principles of Information Technology (1)					
	Cybersecurity	Principles of Information Technology (1)					
		Networking Technologies (1)^					
		Networking (1)*					
SCARBOROUGH	Architecture and Construction	HVAC and Sheet Metal	Principles of Construction (1)	Refrigerant Handling EPA 608, OSHA 30 Construction	YES, NO, NCCER Core Level I, NCCER HVAC Level I		
			HVAC and Refrigeration Technology I (1)				
			HVAC and Refrigeration Technology II (2)*				
	Business, Marketing, and Finance	Business Management	Practicum in Construction Technology (2)*	Educational Aide I	YES		
			Principles of Business, Marketing and Finance (1)				
			Business Information Management I (1)				
	Education and Training	Teaching and Training	Business Management (1)*	Educational Aide I	YES		
			Practicum in Business Management (2)*				
			Principles of Education and Training (1)				
SHARPSTOWN	Agriculture, Food, and Natural Resources	Plant Science	Human Growth and Development (1)	Clinical Medical Assistant, Medical Billing and Coding	YES, NO		
			Horticultural Science (1)*				
			Floral Design I (1)*				
	Arts, A/V Technology, and Communication	Graphic Design and Multimedia Arts	Advanced Floral Design (1)^ OR Advanced Plant and Soil Science (1)*	Adobe Certified Associate Illustrator	YES [Adobe Certified Professional in Graphic Design Using Photoshop]		
			Digital Media (1) OR Video Game Design (1)				
			Animation I (1)				
		Digital Communications	Animation II (1)*				Adobe Certified Professional in Digital Video Using Adobe Premiere Pro, Adobe Certified Professional in Visual Design Using Photoshop,
			Practicum in Audio/Video Production (2)*				
			Principles of Arts, A/V Technology and Communications (1)				
	Health Science	Healthcare Diagnostics	Audio/Video Production I (1)	OSHA 30 General*			
			Audio/Video Production II (1)*				
			Practicum in Audio/Video Production (2)* OR Practicum in Entrepreneurship (2)*^				
Healthcare Diagnostics		Principles of Health Science (1)	Clinical Medical Assistant, Medical Billing and Coding			YES, NO	
		Medical Terminology (1)					
		Health Science Theory (1)*					
SHARPSTOWN INTERNATIONAL	Arts, AV Technology and Communications	Graphic Design and Multimedia Arts	Anatomy and Physiology (1)*	Adobe Certified Associate Illustrator	YES [Adobe Certified Professional in Graphic Design Using Photoshop]		
			Principles of Arts, AV Technology and Communications (1)				
			Graphic Design and Illustration I (1)				
	Business, Marketing, and Finance	Entrepreneurship	Graphic Design and Illustration II (1)*	Entrepreneurship and Small Business			
			Digital Art and Animation (1)*				
			Business Information Management I (1)				
			Entrepreneurship I (1)				
	Manufacturing	Advanced Manufacturing and Machinery Mechanics	Entrepreneurship II (1)*	OSHA 30 General*			
			Project-Based Research (1)*				
Principles of Applied Engineering (1)							
Manufacturing Engineering Technology I (1)							
Engineering Design and Presentation I (1)*							
Career Preparation I (2)*							

	STEM	Programming and Software Development	Computer Science I (1) AP Computer Science Principles (1) IB Computer Science SL1 (1)* IB Computer Science HL1 (1)*		Certified Entry-Level Python Programmer (PCEP)	(DSA needed)	
SOUTH EARLY COLLEGE HS	Business, Marketing, and Finance	Business Management	Business Information Management I (1) Business Information Management II (1) Business Management (1)* Statistics and Business Decision Making (1)*		MOS Word Expert, MOS Excel Expert, Entrepreneurship and Small Business		
	STEM	Engineering	Engineering Essentials (1) (PLTW)^ Introduction to Engineering Design (PLTW) (1)^ Engineering Science (1)* Civil Engineering and Architecture (PLTW) (1)*^		Autodesk Associate (Certified User) Inventor for Mechanical Design, Certified SOLIDWORKS Associate*		
STERLING	Business, Marketing, and Finance	Business Management	Business Information Management I (1) Business Information Management II (1) Business Management (1)* Practicum in Business Management (2)* OR Career Prep I (2)*	MOS Word, MOS Word Expert, MOS Excel, MOS Excel Expert	NO*, YES, NO*, YES		
	Manufacturing	Welding	Introduction to Welding (1) Welding I (2) Welding II (2)* Practicum in Manufacturing (2)*	NCCER Welding Level I, NCCER Core Level I	YES		
	Transportation, Logistics and Distribution	Automotive	Automotive	Principles of Transportation Systems (1) Energy and Power of Transportation Systems (1) Automotive Technology I: Maintenance and Light Repair (2)* Automotive Technology II: Automotive Services (2)* Introduction to Aircraft Technology (1)	ASE Painting and Refinishing Entry Level, ASE Refrigerant Recovery and Recycling	YES	
				Aviation Maintenance	Aviation Maintenance (TBD) Aircraft Airframe Technology (2)* Aircraft Powerplant Technology (2)* Introduction to Aircraft Technology (1) Aviation Ground School (1)^	FAA 107 Remote Drone Pilot	NO, Aerospace Manufacturing Certification, OSHA 30 General*
		Aviation (Flight)	Aviation (Flight)	Practicum in Transportation Systems (First-time Taken) (2)* Practicum in Transportation Systems (Second-time Taken) (2)* Principles of Law, Public Safety, Corrections and Security (1) Law Enforcement I (1) Law Enforcement II (1)* Practicum in Law, Public Safety, Corrections and Security (2)*	Non-commissioned Security Officer Level II	YES	
		Law and Public Service	Law Enforcement				
	WALTRIP	Arts, AV Technology and Communications	Graphic Design and Multimedia Arts	Digital Media (1) Graphic Design and Illustration I (1) Graphic Design and Illustration II (1)* Digital Art and Animation (1)* Principles of Arts, AV Technology and Communications (1)	Adobe Certified Associate Photoshop	YES	
			Digital Communications	Audio/Video Production I (1) Audio/Video Production II (1)* Practicum in Audio/Video Production (2)*	Adobe Certified Associate Premiere Pro	YES	
		Business, Marketing, and Finance	Business Management	Principles of Business, Marketing, and Finance (1) Business Information Management I (1) Business Information Management II (1) Practicum in Business Management (2)* OR Career Preparation I (2)*	MOS Word, MOS Word Expert, MOS Excel, MOS Excel Expert	NO*, YES, NO*, YES	
		Transportation, Distribution and Logistics	Automotive	Principles of Transportation Systems (1) Energy and Power of Transportation Systems (1)* Automotive Technology I: Maintenance and Light Repair (2)*	ASE Refrigerant Recovery and Recycling	ASE Maintenance Light and Light Repair Entry Level, ASE Refrigerant Recovery and Recycling	
Information Technology		Information Technology Support and Services	Principles of Information Technology (1) Geographic Information Systems (1)^* Raster Based Geographic Information Systems (1)^ Practicum in Information Technology (2)*		CompTIA A+, CompTIA Fundamentals+	(DSA needed)	
STEM		Engineering	Principles of Applied Engineering (1) Manufacturing Engineering Technology (1) Engineering Design and Presentation I (1)* Practicum in Science, Technology, Engineering and Mathematics (2)*	Certified SOLIDWORKS Associate	Autodesk Associate (Certified User) Inventor for Mechanical Design, Certified SOLIDWORKS Associate*		
Health Science		Healthcare Therapeutics	Principles of Health Science (1) Medical Terminology (1) Health Science Theory (1)* Pharmacology (1)*		Pharmacy Technician		
WASHINGTON		Agriculture, Food and Natural Resources	Animal Science	Principles of Agriculture, Food and Natural Resources (1) Livestock Production (1)* Veterinary Medical Applications (1)* Advanced Animal Science (1)*	NONE	Certified Veterinary Assistant, Elanco Animal Science Certification	
	Plant Science		Principles of Agriculture, Food and Natural Resources (1) Greenhouse Operations (1) Horticultural Science (1)* TBD				
	Architecture and Construction	Construction	Principles of Construction (1) Construction Technology I (2)	NCCER Core Level I	YES		



Washington	Information Technology	Networking Systems	Construction Technology II (2)* Practicum in Construction Technology (2)* Principles of Information Technology (1) Computer Maintenance (1) Networking (1) Advanced Cloud Computing (1)*^ Principles of Applied Engineering (1) Engineering Design and Presentation I (1)* Engineering Design and Problem Solving (1)* Practicum in STEM (2)*	MTA Networking Fundamentals	NO (Cisco 100-490/200-301, CompTIA Network+)	(DSA needed)
STEM	Engineering	Engineering	Certified SOLIDWORKS Associate, FAA Part 107 Remote Drone Pilot	YES, NO		
Campus	Career Cluster	Program of Study	2022-2023 CTE Course Sequence (credit value) Principles of Business Marketing and Finance (1) Business Information Management I (1) Business Information Management II (1) Practicum in Business Management (2)* OR Business Management (1)*	Industry Based Certification Types Earned - 21/22	Program of Study Alignment 22/23	Implementation
WESTBURY	Business, Marketing, and Finance	Business Management	MOS Word, MOS Excel	MOS Word Expert, MOS Excel Expert		
	Information Technology	Web Development	Principles of Information Technology (1) Web Design (1)* Web Game Development (1)* Project Based Research (1)*	MTA Introduction to Programming Using HTML and CSS, Unity Certified Programmer	(discontinued), NOCTI Web Design, CWMADA	(Cold Start)
	Transportation, Distribution and Logistics	Automotive	Principles of Transportation Systems (1) Automotive Basics (1) Automotive Technology I: Maintenance and Light Repair (2)* Automotive Technology II: Automotive Service (2)* OR Practicum in Transportation Systems (2)*	ASE Brakes Entry Level, ASE Electrical/Electronic Systems Entry Level, ASE HVAC Entry Level, ASE Maintenance and Light Repair Entry Level, ASE Refrigerant Recovery and Recycling, ASE Suspension and Steering Entry Level	ASE Brakes Entry Level, ASE Electrical/Electronic Systems Entry Level, ASE HVAC Entry Level, ASE Maintenance and Light Repair Entry Level, ASE Refrigerant Recovery and Recycling, ASE Suspension and Steering Entry Level	
	STEM	Engineering	Principles of Applied Engineering (1) Introduction to Engineering and Design PLTW (1)^ Computer Integrated Manufacturing PLTW (1)^ * Engineering Design and Problem Solving (1)*		Autodesk Associate (Certified User) Inventor for Mechanical Design, Autodesk Associate (Certified User) AutoCAD	
	Law and Public Service	Emergency Services	Principles of Law, Public Safety, Corrections, and Security (1) Disaster Response (1)^ Firefighter I (2)* Emergency Medical Technician - Basic (2)^ *		OSHA Hazardous Waste and Emergency Response*	
	Health Science	Healthcare Diagnostics	Principles of Health Science (1) Health Science Theory (1)* Anatomy and Physiology (1) * Practicum in Health Science (2)* OR Pathophysiology (1)*	Clinical Medical Assistant	Clinical Medical Assistant	
WESTSIDE	Agriculture, Food, and Natural Resources	Environmental and Natural Resources	Principles of Agriculture, Food, and Natural Resources (1) Range Ecology and Management (1)* Project Based Research (1)* Scientific Research and Design (1)*		Water Operators - Class D, Natural Resources Systems	(DSA needed)
	Arts, A/V Technology and Communications	Graphic Design and Multimedia Arts (1)	Principles of Arts, A/V Tech and Communications (1) Animation I (1) Animation II w/Lab (2)* Practicum in Animation (2)*		Adobe Certified Professional in Visual Effects Using After Effects	
		Graphic Design and Multimedia Arts (2)	Principles of Arts, A/V Tech and Communications (1) Graphic Design and Illustration I (1) Graphic Design and Illustration II (1)* Practicum in Graphic Design and Illustration (2)*		Adobe Certified Professional in Visual Design Using Photoshop	
		Digital Communications	Principles of Arts, A/V Tech and Communications (1) Audio/Video Production I (1) Audio/Video Production II (1)* Practicum in Audio/Video Production (2)*		Adobe Certified Associate Premiere Pro	
	Business, Marketing, and Finance	Accounting and Financial Services	Principles of Business Marketing and Finance (1) Financial Mathematics (1)* OR Business Information Management (1) Accounting I (1) Practicum in Business Management (2)* OR Career Preparation I (2)*	Quickbooks Certified User	YES (Intuit Quickbooks Certified User)	
		Business Management	Principles of Business, Marketing and Finance (1) Business Information Management I (1) Business Law (1) OR Global Business (0.5) * AND Virtual Business (0.5) Practicum in Business Management (2)* OR Business Management (1)*	MOS Word	YES*, MOS Word Expert	
	Hospitality and Tourism	Culinary Arts	Introduction to Culinary Arts (1) Culinary Arts (2) Advanced Culinary Arts (2)* Practicum in Culinary Arts (2)*		ServSafe Manager	
	STEM	Programming and Software Development	Fundamentals of Computer Science (1) Computer Science I (1) Computer Science II (1)* OR AP Computer Science Principles (1) Practicum in Information Technology (2)* OR AP Computer Science A (2) * Introduction to Engineering Design (1) (PLTW)^ Computer Integrated Manufacturing (1) (PLTW)^ *	MTA Introduction to Programming Using Java	C++ Certified Associate Programmer, Certified Entry-Level Python Programmer, Certified Professional Programmer	(DSA needed Python)
		Engineering (PLTW)	Digital Electronics (1)* Engineering Design and Problem Solving (1)* Political Science I (1)		Autodesk Associate (Certified User) Inventor for Mechanical Design, Autodesk Associate (Certified User) AutoCAD	

Campus	Career Cluster	Program of Study	2022-2023 CTE Course Sequence (credit value)	Industry Based Certification Types Earned - 21/22	Program of Study Alignment 22/23	Implementation	
WHEATLEY	Law and Public Service	Legal Studies	Political Science II (1)* Business Law (1) Project Based Research (1)* Principles of Health Science (1) Medical Terminology (1)		NONE	ALTERNATE CCMR	
	Health Science	Healthcare Diagnostics	Anatomy and Physiology (1)* AND Health Science Theory (1)* Practicum in Health Science (2)* OR Pharmacology (1)*	Clinical Medical Assistant, Pharmacy Technician	YES, YES		
	Arts, A/V Technology and Communications	Graphic Design and Multimedia Arts	Principles of Arts, A/V Technology, and Communications (1) Animation I (1) Animation II (1)* Career Preparation I (2)*	NONE	Adobe Certified Professional in Visual Effects Using After Effects, Adobe Certified Professional in Visual Design Using Photoshop, Adobe Certified Professional in Visual Design Using Illustrator		
	Hospitality and Tourism	Culinary Arts	Principles of Hospitality and Tourism (1) Introduction to Culinary Arts (1) Culinary Arts (2) Advanced Culinary Arts (2)*	ServSafe Manager	YES		
	Information Technology	Web Development (INACTIVE)	Principles of Information Technology (1) Project Based Research (1)* Career Preparation I (2)* (none)	NONE	NOCTI Web Design, CWMADA	(DSA needed)	
	Transportation, Logistics and Distribution	Automotive	Principles of Transportation Systems (1) Automotive Basics (1) Automotive Technology I: Maintenance and Light Repair (2)* Practicum in Transportation Systems (2)* Principles of Education and Training (1)	ASE Automotive Service Technology, ASE Brakes, ASE Electrical/Electronic Systems, ASE Engine Performance, ASE Maintenance and Light Repair, ASE Manual Drivetrain, ASE Refrigerant, ASE Suspension and Steering	YES		
Education and Training	Early Learning (PTECH)	Child Development (1) Child Guidance (2)* Career Preparation I (2)*	NONE (phase-in)	NOCTI Early Childhood Education and Care - Basic, Child Development Associate			
WISDOM	Architecture and Construction	Carpentry	Principles of Construction (1) Construction Technology I (2) Mill and Cabinetmaking Technology (2)*	NCCER Core Level I	YES, NCCER Carpentry Level I		
	Business, Marketing, and Finance	Business Management	Principles of Business, Marketing and Finance (1) Business Information Management I (1) Business Information Management II (1)* Human Resource Management (0.5)* AND Global Business (0.5)*	MOS Word, MOS Word Expert	YES*, YES		
	Manufacturing	Welding	Introduction to Welding (1) Welding I (2) Welding II (2)*	NCCER Core Level I	YES, NCCER Welding Level I		
	STEM	Engineering	Principles of Applied Engineering (1) Engineering Design and Presentation I (1)* Engineering Design and Presentation II (2)* Engineering Design and Problem Solving (1)*	OSHA 30 General	Autodesk Associate (Certified User) Inventor for Mechanical Design, Autodesk Associate (Certified User) AutoCAD		
		Programming and Software Development	Fundamentals of Computer Science (1) Computer Science I (1) Computer Science II (1)* Practicum in Information Technology (2)* Principles of Education and Training (1)		C++ Certified Associate Programmer, Certified Entry-Level Python Programmer, Certified Professional Programmer	(Cold Start / DSA needed Python)	
	Education and Training	Early Learning	Child Development (1) Child Guidance (2)* Practicum in Education and Training (2)* Principles of Education and Training (1)		Child Development Associate		
		Teaching and Training	Child Development (1) Instructional Practices (2)* Practicum in Education and Training (2)*	Educational Aide I	YES		
	Law and Public Service	Law Enforcement	Principles of Law, Public Safety, Corrections and Security (1) Law Enforcement I (1) Correctional Services (1)* Federal Law Enforcement and Protective Services (1)	Non-commissioned Security Officer Level II	YES		
	WORTHING	Agriculture, Food and Natural Resources	Animal Science	Principles of Agriculture, Food and Natural Resources (1) Livestock Production (1)* Small Animal Management (0.5) OR Equine Science (0.5) Practicum of Agriculture, Food and Natural Resources (2)*	OSHA 30 General	NO [Certified Veterinary Assistant, Elanco Animal Science Certification]	
		Hospitality and Tourism	Lodging and Resort Management	Principles of Hospitality and Tourism (1) Hotel Management (1) Travel and Tourism Management (1) Practicum in Hospitality Services (2)*		NOCTI Hospitality Management - Lodging - Job Ready	
Information Technology		Web Development	Principles of Information Technology (1) Project Based Research (1)* Web Design (1)* Web Game Development (1)* Principles of Education and Training (1)	MTA HTML5 App Development Fundamentals	NOCTI Web Design, CWMADA	(Cold Start)	
Education and Training		Teaching and Training	Human Growth and Development (1) Instructional Practices (2)* Practicum in Education and Training (2)*	Educational Aide I	YES		

YATES	Arts, A/V Technology, and Communications	Graphic Design and Multimedia Arts	Principles of Arts, Audio/Video Technology, and Communications (1)		Adobe Certified Professional in Visual Design Using Photoshop	
			Digital Media (1)			
			Commercial Photography I (1)			
		Commercial Photography II (1)*				
		Digital Communications (1)	Principles of Arts, Audio/Video Technology, and Communications (1)		Adobe Certified Professional in Digital Video Using Premiere Pro	
			Professional Communications (0.5) AND Web Communications (0.5)			
	Digital Audio Technology I (1)					
	Digital Communications (2)	Digital Audio Technology II (1)*				
		Principles of Arts, Audio/Video Technology, and Communications (1)		Adobe Certified Professional in Digital Video Using Premiere Pro		
		Audio/Video Production I (1)				
	Audio/Video Production II (2)*					
	Business, Marketing and Finance	Entrepreneurship	Practicum in Audio/Video Production (2)*		Entrepreneurship and Small Business	
Principles of Business, Marketing, and Finance (1)						
Business Information Management I						
Entrepreneurship (1)						
Transportation, Distribution, and Logistics	Distribution and Logistics	Practicum in Entrepreneurship (2)**		NCCER Core Level I, MSSC Certified Logistics Technician, OSHA 30 General*		
		Principles of Distribution and Logistics (1)				
		Management of Transportation Systems (1)				
		Distribution and Logistics (1) *				
		Practicum in Distribution and Logistics (2)*				
YWCPA	STEM	Biomedical Science	Principles of Biosciences (1)		Medical Laboratory Assistant, Medical Laboratory Technician	(Cold Start)
			Biotechnology I (1)			
			Biotechnology II (1)*			
		Engineering	Practicum in STEM (2) * OR Scientific Research and Design (1)*		Autodesk Associate (Certified User) Inventor for Mechanical Design, Autodesk Associate (Certified User) AutoCAD	
			Principles of Applied Engineering (1)			
			Engineering Design and Presentation I (1)*			
	Programming and Software Development	Engineering Design and Presentation II (2)*				
		Engineering Science (1)* OR Practicum in STEM (2)*		NO, NO [C++ Certified Associate Programmer, Certified Entry-Level Python Programmer, Certified Professional Programmer]	(Cold Start / DSA needed Python)	
		AP Computer Science Principles (1)				
	Computer Science I (1)*					
			Game Programming and Design (1)*			
			Career Preparation I (2)*			
			MOS Word, MOS Excel			

\* TEA Advanced CTE course

^ TEA Innovative Course

CAMPUS	PROGRAM OF STUDY	IBC ALIGNMENT	IBC IMPLEMENTATION	Growth/Wage Category (GROWTH RATE/SALARY vs. regional median)
NORTH FOREST	HVAC and Sheet Metal (DCH)	YES (NCCER Core Level 1)		HVAC Mechanics and Installers-HIGH/HIGH
	Networking Systems	NO (Cisco 100-490/200-301, CompTIA Network+)	(DSA needed)	Computer Network Support Specialists-LOW/HIGH
	Automotive	YES		Automotive Service Technicians and Mechanics-LOW/LOW
	Animal Science	(NO) YES [Elanco Animal Science Cert]		Animal Breeders-HIGH/LOW [Bachelor's Degree positions are HIGH/HIGH]
	Emergency Services	NO (OSHA Hazardous Waste Operations and Emergency Response*, IAED Emergency Telecommunicator)		Firefighters-HIGH/HIGH; EMTs-HIGH/LOW, Public Safety Telecommunicator-HIGH/LOW
WHEATLEY	Graphic Design and Multimedia Arts	Adobe Certified Professional in Visual Effects Using After Effects		[Bachelor's Degree] Graphic Designers-HIGH/LOW
	Culinary Arts	YES		Cooks-HIGH/LOW, Head Cooks and Chefs-HIGH/LOW
	Web Development	NOCTI Web Design, CWMADA	(DSA needed)	[Associate's Degree] Web Developers-HIGH/HIGH
	Automotive	YES		Automotive Service Technicians and Mechanics-LOW/LOW
	Early Learning (PTECH)	Child Development Associate		Childcare Workers-LOW/LOW

Campus	Program of Study	2022-2023 CTE Course Sequence (credit value)	Industry Based Certification Types Earned - 2021/2022	Program of Study Alignment 2022-2023?	Implementation
AUSTIN	Carpentry	CTE Options on Home Campus	NCCER Core Level I	YES	
		CTE Options on Home Campus			
		Construction Technology I (2)			
		Construction Technology II (2)*			
	Business Management	Principles of Business, Finance and Marketing (1)	MOS Word, Google Analytics Individual Qualification	YES*, NO	
		Business Information Management I (1)			
		Business Information Management II (1)			
		Business Management (1)*			
	Distribution and Logistics	Principles of Maritime Science (1)*	MSSC Certified Logistics Technician (attempted)	YES	
		Management of Transportation Systems (1)			
		Distribution and Logistics (1) *			
		Practicum in Distribution and Logistics (2) *			
	Maritime Science	Principles of Maritime Science (1)	MSSC Certified Logistics Technician (attempted)	OSHA 30 Hour General*	
		Maritime Science I (1)^			
		Maritime Science II (1)^			
		Practicum in Distribution and Logistics (2)*			
	Networking Systems	Principles of Information Technology (1)	MTA Networking Fundamentals	CompTIA A+/Network+/Server+, Cisco CCNA *(200-301), Cisco 100-490 RSTECH	(DSA needed)
		Computer Maintenance (1)			
		Networking (1)*			
		Practicum in Information Technology (2)*			
	Web Development	Principles of Information Technology (1)	NONE	Oracle Certified Associate Java SE 8 Programmer, NOCTI Web Design - Job Ready	(DSA needed)
		Project Based Research (1)*			
		Web Design (1)*			
		Web Game Development (1) *OR Practicum in Information Technology (2)*			
Welding	Principles of Manufacturing (1)	NCCER Core Level I, NCCER Welding Level I	YES, YES		
	Introduction to Welding (1)				
	Welding I (2)				
	Welding II (2)*				
Engineering	Principles of Applied Engineering (1)	AutoDesk Certified Professional or User AutoCAD	Autodesk Associate (Certified User) Inventor for Mechanical Design, Certified SOLIDWORKS Associate*		
	Engineering Design and Presentation I (1)*				
	Engineering Design and Problem Solving(1)*				
	Engineering Design and Presentation II (2)*				
Teaching and Training	Principles of Education and Training (1)	Educational Aide I	YES		
	Human Growth and Development (1)				
	Instructional Practices (2)*				
	Practicum in Education and Training (2)*				

Campus	Program of Study	2022-2023 CTE Course Sequence (credit value)	Industry Based Certification Types Earned - 21/22	Program of Study Alignment 22/23	Implementation
BELLAIRE	Graphic Design and Multimedia Arts	Principles of Arts, A/V Technology and Communications (1)	Adobe Certified Associate Photoshop	YES	
		Graphic Design and Illustration I (1)			
		Graphic Design and Illus. II (1)* OR Digital Design and Media Prod. (1)			
		Practicum in Entrepreneurship (2)*^			
	Business Management	Principles of Business, Marketing, and Finance (1)	Microsoft Office Specialist Word, Entrepreneurship and Small Business	YES*, YES	
		Business Law (1)			
		Global Business (.5)* AND Human Resources Management (.5)*			
		Statistics and Business Decision Making (1)*			
	Accounting and Financial Services	Principles of Business, Marketing, and Finance (1) OR Business Information Management (1)		Inuit Quickbooks Certified User, MOS Excel Expert	
		Money Matters (1)			
		Accounting I (1) OR Financial Mathematics (1)			
		Securities and Investments (1)*			
	Marketing and Sales	Principles of Business, Marketing, and Finance (1) OR Business Information Management I (1)		Entrepreneurship and Small Business	
		Marketing (1)*			
		Advertising (.5) AND Sports and Entertainment Marketing (.5)			
		Statistics and Business Decision Making (1)*			
	Distribution and Logistics	Principles of Distribution and Logistics (1)		Certified Logistics Technician, OSHA 30 General*	(DSA needed CLT)
		Occupational Safety and Environmental Technology (1)^			
		Raster Based Geographic Information Systems (1)*			
		Distribution and Logistics (1)*			
Animal Science	Principles of Agriculture, Food, and Natural Resources (1)		Certified Veterinary Assistant Level 1, Elanco Fundamentals of Animal Science, Licensed Veterinary Technician		
	Small Animal Management (.5) AND Equine Science (.5)				
	Livestock Production (1)*				
	Advanced Animal Science (1)* OR Veterinary Medical Applications (1)*				
Plant Science	Principles of Agriculture, Food, and Natural Resources (1)		TSFA Level 1 Floral Certification		
	Floral Design (1)*				
	Advanced Floral Design (1)*				
	Advanced Plant and Soil Science (1)*				
Programming and Software Development (1)	Computer Science I PAP (1)		C++ Certified Associate Programmer, CompTIA Linux+, Oracle Certified Associate Java SE 8 Programmer, Oracle Database SQL Certified Associate	(DSA needed)	
	AP Computer Science Principles (1)				
	AP Computer Science A (2)*				
	Computer Science III (1)*				
Programming and Software Development (2)	Fundamentals of Computer Science (1)		Apple App Development with Swift, Oracle Certified Associate Java SE 8 Programmer, Oracle Database SQL Certified Associate	(DSA needed)	
	Computer Science I PAP (1)				
	Mobile Application Development (1)				
	Computer Science II PAP (1)*				
Family and Community Services	Principles of Human Services (1)		Child Development Associate		
	Professional Communications (.5) AND Interpersonal Studies (.5)				
	Lifetime Nutrition and Wellness (1)				
	Counseling and Mental Health (1)*				



Campus	Program of Study	2022-2023 CTE Course Sequence (credit value)	Industry Based Certification Types Earned - 21/22	Program of Study Alignment 22/23	Implementation
CHAVEZ	Environmental and Natural Resources	Principles of Agriculture, Food and Natural Resources (1)		Water Operators - Class D, Natural Resources Systems	(Cold Start!)
		Wildlife, Fisheries, and Ecology Management (1)			
		Forestry and Woodland Ecosystems (1)			
		Range Ecology and Management (1)*			
	Graphic Design and Multimedia Arts	Principles of Arts, A/V Technology and Communications (1)	Adobe Certified Illustrator, Adobe Certified Photoshop	YES, YES [Adobe Certified Professional in Visual Design Using Illustrator/Photoshop]	
		Graphic Design and Illustration I w/Lab (2)			
		Graphic Design and Illustration II (1)*			
		Practicum in Graphic Design and Illustration (2)*			
	Digital Communications	Principles of Arts, A/V Technology and Communications (1)	Adobe Certified Associate Premiere Pro	YES [Adobe Certified Professional in Digital Video Using Adobe Premiere Pro], Adobe Certified Professional in Visual Design Using Photoshop,	
		A/V Production I (1)			
		A/V Production II (1)*			
	Animal Science	Practicum in A/V Production (2)* OR Digital Audio Technology I (1)*	Certified Veterinary Assistant Level I	YES	
		Principles of Agriculture, Food and Natural Resources (1)			
		Livestock Production (1)*			
		Veterinary Medical Applications (1)*			
	Plant Science	Advanced Animal Science (1)*	Texas State Floral Association Floral Skills Knowledge Based	YES [TSFA Level 1 Floral Certification]	
		Principles of Agriculture, Food and Natural Resources (1)			
		Greenhouse Operations (1)			
		Floral Design (1)*			
	Engineering	Advanced Plant and Soil Science (1)*		Autodesk Associate (Certified User) AutoCAD/+++, Autodesk Certified Professional in AutoCAD/+++	
		Principles of Applied Engineering (1)			
		Engineering Design and Presentation I (1)			
		Digital Electronics (1)*			
		Engineering Design and Problem Solving (1)*			
	Renewable Energy	Principles of Applied Engineering (1)		NCCER Electronic System Technician Level I, OSHA 30 General*	
		AC/DC Electronics (1)			
		Solid State Electronics (1)*			
		Digital Electronics (1)*			
	Emergency Services (1)	Principles of Law, Public Safety, Corrections, and Security (1)		OSHA Harzardous Waste Operations and Emergency Response*	
		Disaster Response (1)^			
		Emergency Medical Technician - Basic (2)*^			
	Emergency Services (2)	Project Based Research (1)*		OSHA Harzardous Waste Operations and Emergency Response*	
		Principles of Law, Public Safety, Corrections, and Security (1)			
Disaster Response (1)^					
Firefighter I (2)*					
Healthcare Therapeutic	Firefighter II (3)*	Pharmacy Technician	YES		
	Principles of Health Science (1)				
	Medical Microbiology (1)*				
	Medical Terminology (1)				
	Pathophysiology (2)* OR Practicum in Health Science (2)*				

Campus	Program of Study	2022-2023 CTE Course Sequence (credit value)	Industry Based Certification Types Earned - 21/22	Program of Study Alignment 22/23	Implementation
DEBAKEY	Healthcare Diagnostics	Principles of Health Science (1)	Certified Clinical Medical Assistant	YES	
		Health Science Theory (1)*			
		Practicum in Health Science (First Time Taken) (2)*			
		Practicum in Health Science (Second Time Taken) (2)*			
	Healthcare Therapeutic	Introduction to Pharmacy Science (1)	Pharmacy Technician	YES, Patient Care Technician	
		Health Science Theory (1)*			
		Practicum in Health Science (First Time Taken) (2)*			
	Practicum in Health Science (Second Time Taken) (2)*				

Campus	Program of Study	2022-2023 CTE Course Sequence (credit value)	Industry Based Certification Types Earned - 21/22	Program of Study Alignment 22/23	Implementation
EAST EARLY	Renewable Energy	Principles of Applied Engineering (1)		NCCER Electronic System Technician Level I	
		AC/DC Electronics (1)			
		Project-Based Research (1)*			
		Scientific Research and Design (1)* OR Solid State Electronics (1)*			

Campus	Program of Study	2022-2023 CTE Course Sequence (credit value)	Industry Based Certification Types Earned - 21/22	Program of Study Alignment 22/23	Implementation
EASTWOOD	Engineering	Principles of Applied Engineering (1)	OSHA 30 General	Autodesk Associate (Certified User) AutoCAD/+++, Autodesk Certified Professional in AutoCAD/+++	
		Engineering Design and Presentation I (1)*			
		Engineering Design and Problem Solving (1)*			
		Scientific Research and Design (1)*			
	Programming and Software Development	AP Computer Science Principles (1)		Certified Entry-Level Python Programmer (PCEP)	(DSA needed)
		Game Programming and Design (1)			
		AP Computer Science A (2)* OR Mobile Application Development (1)*			
		Independent Study in Technology Applications (2)*			

Campus	Program of Study	2022-2023 CTE Course Sequence (credit value)	Industry Based Certification Types Earned - 21/22	Program of Study Alignment 22/23	Implementation
ENERGIZED FOR STEM	Renewable Energy	Foundations of Energy (1)		NCCER Electronic System Technician Level I	
		Introduction to Renewable Energy (1)			
		Environmental Sustainability (1) (PLTW)*			
		Practicum in Science, Technology, Engineering and Mathematics (2)*			

Campus	Program of Study	2022-2023 CTE Course Sequence (credit value)	Industry Based Certification Types Earned - 21/22	Program of Study Alignment 22/23	Implementation
ENERGY INSTITUTE	Advanced Manufacturing and Machinery Mechanics	Principles of Manufacturing (1)	Certified SOLIDWORKS Associate	NO, OSHA 30 General*	
		Robotics I (1) OR Manufacturing Engineering Technology I (1)			
		Robotics II (1)* OR Manufacturing Engineering Technology II (1)*			
		Practicum in Manufacturing (2)*			
		Introduction to Engineering Design (1)			
	Engineering	Engineering Science (1)*	OSHA 30 General	Autodesk Associate (Certified User) AutoCAD/+++, Autodesk Certified Professional in AutoCAD/+++, Certified SOLIDWORKS Associate*	
		Environmental Sustainability (1) (PLTW)*			
		Engineering Design and Problem Solving (1)* OR Practicum in STEM (2)*			



Campus	Program of Study	2022-2023 CTE Course Sequence (credit value)	Industry Based Certification Types Earned - 21/22	Program of Study Alignment 22/23	Implementation
FURR (Jordan Career Center)	Environmental and Natural Resources	Principles of Agriculture, Food and Natural Resources (1)	OSHA 30 General	Water Operators - Class D, Natural Resources Systems	(Cold Start)
		Wildlife, Fisheries, and Ecology Management (1)			
		Forestry and Woodland Ecosystems (1)			
		Scientific Research and Design (1)*			
	Graphic Design and Multimedia Arts	Principles of Arts, A/V Tech. and Communications (1)	Adobe Certified Associate Illustrator, Adobe Certified Associate Photoshop, Adobe Certified Associate Premiere Pro	YES, YES [Adobe Certified Professional in Visual Design Using Illustrator/Photoshop]	
		Digital Design and Media Production (1)			
		Digital Art and Animation (1)*			
		Career Preparation I (1)*			
	Healthcare Therapeutics	Principles of Health Science (1)	Certified Clinical Medical Assistant	Certified Clinical Medical Assistant	
		Medical Terminology (1)			
		Health Science Theory (1)*			
		Pathophysiology (1)*			

Campus	Program of Study	2022-2023 CTE Course Sequence (credit value)	Industry Based Certification Types Earned - 21/22	Program of Study Alignment 22/23	Implementation
HAIS	Entrepreneurship	Business Information Management I (1)	MOS Word, MOS Excel	Entrepreneurship and Small Business	
		Mobile Application Development (1)			
		Project Based Research (1)*			
		Practicum in Entrepreneurship (2)*^			
	Graphic Design and Multimedia Arts	Graphic Design and Illustration I (1)	Adobe Certified Associate Illustrator, Adobe Certified Associate Photoshop, Adobe Certified Expert Illustrator	YES, YES [Adobe Certified Professional in Visual Design Using Illustrator/Photoshop]	
		Video Game Programming (1)^			
		Advanced Video Game Programming (1)*^			
		Career Preparation (2)* OR Practicum in Entrepreneurship (2)*			
	Programming and Software Development	Computer Science I (1)		Certified Entry-Level Python Programmer (PCEP)	(DSA needed)
		AP Computer Science Principles (1)			
		Mobile Application Development (1)			
		Career Preparation (2)* OR Practicum in Entrepreneurship (2)*^			
	Engineering	Principles of Applied Engineering (1)		Autodesk Associate (Certified User) AutoCAD/+++, Autodesk Certified Professional in AutoCAD/+++, Certified SOLIDWORKS Associate*	
		Engineering Science (1)*			
		Engineering Design and Problem Solving (1)*			
		Scientific Research and Design (1)*			
	Government and Public Administration	Principles of Government and Public Administration (1)		NONE	ALTERNATE CCMR
		Political Science I (1)			
		Political Science II (1)*			
		Planning and Governance (1)* OR Practicum in Local, State and Federal Government (2)*			

Campus	Program of Study	2022-2023 CTE Course Sequence (credit value)	Industry Based Certification Types Earned - 21/22	Program of Study Alignment 22/23	Implementation
HEIGHTS (Jordan Career Center)	Graphic Design and Multimedia Arts	Digital Design and Media Production (1)	Adobe Certified Associate Photoshop, Adobe Certified Expert Photoshop	YES, YES [Adobe Certified Professional in Visual Design Using Illustrator/Photoshop]	
		Digital Media (1)			
		Graphic Design and Illustration I (1)			
		Graphic Design and Illustration II (1)*			
	Digital Communications	Principles of Arts, A/V Technologies and Communications (1)	Adobe Certified Associate Premiere Pro, Adobe Certified Expert Premiere Pro	YES [Adobe Certified Professional in Digital Video Using Adobe Premiere Pro], Adobe Certified Professional in Visual Design Using Photoshop	
		Audio/Video Production I (1)			
		Audio/Video Production II w/Lab (2) *			
		Digital Audio Technology I (1)			
	Accounting and Financial Services	Principles of Business and Marketing Finance (1)	Intuit QuickBooks Certified User	YES	
		Accounting I (1)			
		Accounting 2 (1) *			
		Financial Mathematics (1) *			
	Business Management	Principles of Business and Marketing Finance (1)	MOS Word	YES*, MOS Word Expert	
		Business Information Management I (1)			
		Business Information Management II (1)			
		Business Management (1)*			
	Automotive	Energy and Power of Transportation Systems (1) *	ASE Brakes Entry Level, ASE Refrigerant Recovery and Recycling	YES	
		Automotive Basics (1)			
		Automotive Technology I (2) *			
		Automotive Technology II (2)* OR Practicum in Transportation Systems (2)*			
	Web Development	Web Game Development (1) *		NOCTI Web Design - Job Ready	(Cold Start)
		Web Design (1) *			
		Independent Study In Technology Applications (1) *			
		Project Based Research (1) *			
	Advanced Manufacturing and Machinery Mechanics	Principles of Applied Engineering (1)	OSHA 30 General	YES*	
		Engineering Design and Presentation I (1) *			
		Robotics I (1)			
		Robotics II (1) *			
Healthcare Diagnostics	Principles of Health Science (1)	Certified EKG Technician, Patient Care Technician	YES		
	Health Science Theory (1) *				
	Anatomy and Physiology (1) *				
	Practicum in Health Science (2) *				

Campus	Program of Study	2022-2023 CTE Course Sequence (credit value)	Industry Based Certification Types Earned - 21/22	Program of Study Alignment 22/23	Implementation
HSLJ	Cybersecurity	Foundations of Cybersecurity (1)		Comp TIA A+/Network+/Security+	(DSA needed)
		Internetworking Technologies (1)^			
		TBD			
		TBD			
	Government and Public Administration	Principles of Government and Public Administration (1)	MOS Word	NONE	ALTERNATE CCMR
		Political Science I (1)			
		Political Science II (1)*			
		Revenue, Tax, and Regulation (1) *			
	Emergency Services	Principles of Law, Public Safety, Corrections and Security (1)	IAED Emergency Telecommunicator	YES	
		Law Enforcement I (1)			
		National Security (1)*			
		Practicum in Law, Public Safety, Corrections, and Security (2)*			
	Law Enforcement	Principles of Law, Public Safety, Corrections and Security (1)	Non-Commissioned Security Officer Level II	YES	
		Law Enforcement I (1)			
		Law Enforcement II (1)*			
		Forensic Science (1)			
	Legal Studies	Principles of Law, Public Safety, Corrections and Security (1)	MOS Excel	NONE	ALTERNATE CCMR
		Political Science I (1) OR Business Law (1)			
Political Science II (1) * OR Political Science I (1)					
Court Systems and Practices (1)					

Campus	Program of Study	2022-2023 CTE Course Sequence (credit value)	Industry Based Certification Types Earned - 21/22	Program of Study Alignment 22/23	Implementation
HSPVA	Digital Communications	Principles of Arts A/V Technology and Communication (1)		Adobe Certified Professional in Digital Video Using Adobe Premiere Pro], Adobe Certified Professional in Visual Design Using Photoshop	
		Digital Communications in the 21st Century (1)			
		Audio/Video Production I (1)			
		Audio/Video Production II (1)*			

Campus	Program of Study	2022-2023 CTE Course Sequence (credit value)	Industry Based Certification Types Earned - 21/22	Program of Study Alignment 22/23	Implementation
HOUSTON MSTC (Jordan Career Center)	Plumbing and Pipefitting	Principles of Construction (1)	NCCER Core Level I	NO, NCCER Pipefitting Level I/Plumbing Level I, OSHA 30 Hour General OR Construction*	
		Plumbing Technology I (1)			
		Plumbing Technology II (2)*			
	Business Management	Practicum in Construction Technology (2)*	MOS Word, MOS Excel	YES* [MOS Word Expert, MOS Excel Expert]	
		Business Information Management I (1)			
		Business Information Management II w/Lab (2)			
	Graphic Design and Multimedia Arts	Business Management *(1) AND Human Resources Management (0.5)* AND Global Business* (0.5)	Adobe Certified Associate Photoshop	YES [Adobe Certified Professional in Visual Design Using Photoshop]	
		Practicum in Business Management (2)*			
		Principles of Arts, A/V Technology, and Communications (1)			
	Digital Communications	Graphic Design and Illustration I (1)	Adobe Certified Professional in Digital Video Using Adobe Premiere Pro], Adobe Certified Professional in Visual Design Using Photoshop		
		Graphic Design and Illustration II w/Lab (2)*			
		Practicum in Entrepreneurship (2)*^			
	Automotive	Principles of Arts, A/V Technology, and Communications (1)	ASE Maintenance and Light Repair Entry Level, ASE Refrigerant Recovery and Recycling	YES	
		Audio/Video Production I (1)			
		Audio/Video Production II w/Lab (2)*			
	Networking Systems	Practicum in Entrepreneurship (2)*^	MTA Windows Operating System Fundamentals	CompTIA A+/Network+/Server+, Cisco CCNA *(200-301), Cisco 100-490 RSTECH	(DSA needed)
		Principles of Transportation Systems (1)			
		Automotive Basics (1)			
	Drone (Unarmed Flight)	Automotive Technology I (2)*	FAA Part 107 Remote Drone Pilot		
		Automotive Technology II (2)* OR Practicum in Transport. Systems (2)*			
Principles of Information Technology (1)					
Programming and Software Development	Computer Maintenance w/ Lab (2)	Certified Entry-Level Python Programmer (PCEP)		(DSA needed)	
	Networking w/ Lab (2)*				
	Computer Technician Practicum (2)*				
Healthcare Diagnostics	Robotics I (1)	Certified Clinical Medical Assistant	YES		
	Robotics II (2)*				
	Introduction to Unmanned Aerial Vehicles (1)^				
Cosmetology	Practicum in Manufacturing (2)*	Cosmetology Operator License	YES		
	Fundamentals of Computer Science (1)				
	Computer Science I (1)				
Cosmetology	Computer Science II (1)*				
	Computer Science III (1)*				
	Principles of Health Science (1)				
Cosmetology	Medical Terminology (1)				
	Health Science Theory* (1) AND Anatomy and Physiology* (1)				
	Practicum in Health Science (2)*				
Cosmetology	Introduction to Cosmetology (1)				
	Cosmetology I (2)*				
	Nail Care, Enhancements and Spa Services (2)^				
Cosmetology	Cosmetology II (2)*				
	Cosmetology II (2)*				

Campus	Program of Study	2022-2023 CTE Course Sequence (credit value)	Industry Based Certification Types Earned - 21/22	Program of Study Alignment 22/23	Implementation
JONES	Architectural Design	Principles of Architecture (1)	Autodesk Certified Professional or User AutoCAD	YES, Autodesk Associate (Certified User) AutoCAD, Autodesk Certified Professional in AutoCAD for Design and Drafting	
		Architectural Design I (1)			
		Architectural Design II (2)*			
		Practicum in Architectural Design (2)*			
	HVAC and Sheet Metal (PTECH 22/23)	Principles of Construction (1)	OSHA 30 Hour General	YES* [OSHA 30 Hour General/Construction*, NCCER Core Level I/HVAC Level I, Refrigerant Handling EPA 608]	
		Heating, Ventilation, and Air Conditioning and Refr. Tech I (1)			
		Heating, Ventilation, and Air Conditioning and Refr. Tech II (2)			
		Practicum in Construction Technology (2)*			
	Healthcare Diagnostics	Principles of Health Science (1)	Phlebotomy Technician, Certified EKG Technician, Certified Clinical Medical Assistant	YES	
		Health Science Theory (1)*			
		Anatomy and Physiology (1)*			
		Practicum in Health Science (2)* OR Medical Microbiology (1)*			

Campus	Program of Study	2022-2023 CTE Course Sequence (credit value)	Industry Based Certification Types Earned - 21/22	Program of Study Alignment 22/23	Implementation
Barbara Jordan Career Center	Construction Management and Inspection	CTE Options on Home Campus	NCCER Core Level I	YES	Green
		CTE Options on Home Campus			
		Construction Management I (2) Construction Management II (2)*			
	Marketing and Sales	CTE Options on Home Campus	Entrepreneurship and Small Business	YES	Green
		CTE Options on Home Campus			
		Retail Management (1)* AND Entrepreneurship (1) Advanced Marketing (2)*			
	Culinary Arts	CTE Options on Home Campus	ServSafe Manager	YES	Green
		CTE Options on Home Campus			
		Culinary Arts (2) Advanced Culinary Arts (2)*			
	Automotive	CTE Options on Home Campus	ASE Refrigerant Recovery and Recycling, ASE Maintenance and Light Repair Entry Level (plus level 1 workforce certificates via college)	YES	Green
		CTE Options on Home Campus			
		Automotive Technology I DCH (2)* Automotive Technology II DCH (2)*			
	Architectural Design	CTE Options on Home Campus		Autodesk Associate (Certified User) AutoCAD	Green
		CTE Options on Home Campus			
Principles of Architectural Design (1) AND Architectural Design I (1) Architectural Design II (2)*					
Electrical	CTE Options on Home Campus		NCCER Core Level I, NCCER Electrical Level I, OSHA 30 Hour General*	Green	
	CTE Options on Home Campus				
	Principles of Construction (1) AND Electrical Technology I (1) Electrical Technology II (2)*				
Refining & Chemical Processes	CTE Options on Home Campus		NCCER Instrumentation Level I	Green	
	CTE Options on Home Campus				
	Principles of Applied Engineering (1) AND Applied Mathematics for Technical Professionals (1)* Introduction to Process Technology (1) AND Petrochemical Safety, Health, and Environment (1)*				
Welding	CTE Options on Home Campus	NCCER Welding Level I	YES [NCCER Core Level I, NCCER Welding Level I, AWS Sense]	Green	
	CTE Options on Home Campus				
	Welding I (2) DCH Welding II (2)* DCH				
Teaching and Training	CTE Options on Home Campus	Educational Aide I	YES	Green	
	CTE Options on Home Campus				
	Principles of Education and Training (1) AND Child Development (1) Instructional Practices (2)*				
Cosmetology	CTE Options on Home Campus	Cosmetology Operator's License	YES	Green	
	CTE Options on Home Campus				
	Cosmetology I (2)* AND Nail Care, Enhancements and Spa Services (1)^ Cosmetology II (2)* AND Principles of Cosmetology Design and Color Theory (1)				
Government and Public Administration	CTE Options on Home Campus		NONE	Red	
	CTE Options on Home Campus				
	Political Science I (1) AND Planning and Governance (1)* Political Science II (1)* AND Public Management and Administration (1)*				
Healthcare Diagnostics	CTE Options on Home Campus	Certified Clinical Medical Assistant	YES	Green	
	CTE Options on Home Campus				
	Principles of Health Science (1) AND Health Science Theory (1)* Practicum in Health Science (2)*				



Campus	Program of Study	2022-2023 CTE Course Sequence (credit value)	Industry Based Certification Types Earned - 21/22	Program of Study Alignment 22/23	Implementation
KASHMERE	Graphic Design and Multimedia Arts	Principles of Arts, A/V Technology and Communications (1)		Adobe Certified Professional in Visual Design Using Photoshop	
		Graphic Design and Illustration I (1)			
		Animation I (1)			
	Graphic Design and Multimedia Arts (Futures)	Animation II (1)*		Adobe Certified Professional in Visual Design Using Photoshop	
		Principles of Arts, A/V Technology and Communications (1)			
		Graphic Design and Illustration DCH (1)			
		Animation I DCH (1)			
	Entrepreneurship	Practicum in Graphic Design and Illustration DCH (2)*	MOS Word	Entrepreneurship and Small Business	
		Business Information Management I (1)			
		Entrepreneurship I (1)			
		Entrepreneurship II (1)*			
		Practicum in Entrepreneurship (2)*^			

Campus	Program of Study	2022-2023 CTE Course Sequence (credit value)	Industry Based Certification Types Earned - 21/22	Program of Study Alignment 22/23	Implementation
LAMAR	Graphic Design and Multimedia Arts	Principles of Arts, A/V Technology, and Communications (1)	Adobe Certified Associate Photoshop	YES [Adobe Certified Professional in Visual Design Using Photoshop]	
		Graphic Design and Illustration I (1)			
		Graphic Design and Illustration II (1)*			
		Commercial Photography I (1)			
	Digital Communications	Principles of Arts, A/V Technology, and Communications (1)	Adobe Certified Associate Premiere Pro	YES [Adobe Certified Professional in Digital Video Using Adobe Premiere Pro], Adobe Certified Professional in Visual Design Using Photoshop	
		Audio/Video Production I (1)			
		Audio/Video Production II (1)*			
		Digital Audio Technology I (1)			
	Accounting and Financial Services	Principles of Business, Marketing and Finance (1)	MOS Excel Expert, Quickbooks Certified User	YES	
		Money Matters (1)			
		Accounting I (1)			
		Accounting II (2)*			
	Business Management	Principles of Business, Marketing and Finance (1)	Entrepreneurship and Small Business, MOS Word, MOS Expert Word	YES [MOS Word Expert]	
		Business Information Management I (1)			
		Business Management (1)*			
		Practicum of Business Management (2)* OR Global Business (0.5) * AND Human Resources Management (0.5)*			
	Culinary Arts	Principles of Hospitality and Tourism (1)		ServSafe Manager	
		Introduction to Culinary Arts (1)			
		Culinary Arts (2)			
		Food Science (1) * OR Practicum in Culinary Arts (2)*			
Lodging and Resort Management	Principles of Hospitality and Tourism (1)		Certified Hospitality and Tourism Professional		
	Hotel Management (1)				
	Travel and Tourism (1)				
	Hospitality Services (2)* OR Practicum in Hospitality Services (2)*				
Animal Science	Principles of Agriculture, Food and Natural Resources (1)	Certified Veterinary Assistant Level 1	YES		
	Livestock Production (1)*				
	Veterinary Medical Applications (1)* OR Equine Science (0.5) AND Small Animal Management (0.5)				
	Advanced Animal Science (1)* OR Practicum in Agriculture, Food, and Natural Resources (2)*				
Plant Science	Principles of Agriculture, Food and Natural Resources (1)	Texas State Floral Association Floral Skills Knowledge Based	YES [TSFA Level 1 Floral Certification]		
	Floral Design (1)*				
	Landscape Design and Management (0.5) AND Turf Grass Management (0.5)				
	Horticultural Science (1) OR Practicum in Agriculture, Food, and Natural Resources (2)*				
Engineering	Principles of Applied Engineering (1)	Autodesk Certified Professional or User AutoCAD	YES		
	Engineering Design and Presentation I (1)*				
	Engineering Science (1)*				
	Engineering Design and Presentation II (2)* OR Practicum in STEM (2)*				
Programming and Software Development	AP Computer Science Principles (1)		Certified Entry-Level Python Programmer (PCEP)	(DSA needed)	
	Computer Science I PREIB (1)				
	IB Computer Science Standard Level, Year 1 (1)*				
	IB Computer Science Standard Level, Year 1 (1)*				
Exercise Science and Wellness	Principles of Exercise Science and Wellness (1)^		Certified Personal Trainer, Pre-Professional Certification in Nutrition, Food, Wellness	(Cold Start)	
	Kinesiology I (1)^				
	Kinesiology II (1)^				
	Practicum in Entrepreneurship (2)*^				
Family and Community Services	Principles of Human Services (1)	OSHA 30 General	Child Development Associate		
	Human Growth and Development (1)				
	Child Development (1)				
	Family and Community Services (1)* OR Practicum in Human Services (2)*				

Campus	Program of Study	2022-2023 CTE Course Sequence (credit value)	Industry Based Certification Types Earned - 21/22	Program of Study Alignment 22/23	Implementation
LIBERTY	Graphic Design and Multimedia Arts	Principles of Arts, A/V Technology, and Communications (1)		Adobe Certified Professional in Graphic Design and Illustration Using Adobe Illustrator	
		Graphic Design and Illustration I (1)			
		Graphic Design and Illustration II (1)*			

Campus	Program of Study	2022-2023 CTE Course Sequence (credit value)	Industry Based Certification Types Earned - 21/22	Program of Study Alignment 22/23	Implementation
LONG ACADEMY	Biomedical Science	Principles of Biosciences (1)		Medical Laboratory Assistant, Medical Laboratory Technician	(Cold Start)
		Biotechnology I (1)			
		Pathophysiology (1)*			
		NONE			

Campus	Program of Study	2022-2023 CTE Course Sequence (credit value)	Industry Based Certification Types Earned - 21/22	Program of Study Alignment 22/23	Implementation
MADISON	Networking Systems	Principles of Information Technology (1)		CompTIA A+/Network+/Server+, Cisco CCNA *(200-301), Cisco 100-490 RSTECH	(DSA needed)
		Internetworking Technologies I (1)^			
		Internetworking Technologies II (1) *^			
		Career Preparation I (2)*			
	Automotive	Principles of Transportation Systems (1)		ASE Maintenance and Light Repair Entry Level, ASE Refrigerant Recovery and Recycling	
		Energy and Power of Transportation Systems (1)*			
		Automotive Technology I: Maintenance and Light Repair (2)*			
		Automotive Technology II: Automotive Service (2)*			
	Animal Science	Principles of Agriculture, Food and Natural Resources (1)		Certified Veterinary Assistant Level 1, Elanco Fundamentals of Animal Science, Licensed Veterinary Technician	
		Livestock Production (1)*			
		Veterinary Medical Applications (1)*			
		Advanced Animal Science (1)*			
	Advanced Manufacturing and Machinery Mechanics	Principles of Applied Engineering (1)		OSHA 30 General*	
		Robotics I (1)			
		Engineering Design and Presentation I (1)*			
		Robotics II (1)*			
	Welding	Introduction to Welding (1)		NCCER Core Level I, NCCER Welding Level I	
		Welding I (2)			
		Welding II (2)*			
		Practicum in Manufacturing (2)*			
	Engineering	Principles of Applied Engineering (1)		Autodesk Associate (Certified User) Inventor for Mechanical Design, Certified SOLIDWORKS Associate*	
		Engineering Design and Presentation I (1)*			
		Engineering Design and Presentation II (2)*			
		Engineering Design and Problem Solving (1)*			
	Healthcare Diagnostics	Principles of Health Science (1)		Certified Clinical Medical Assistant	
		Health Science Theory (1)*			
		Anatomy and Physiology (1)*			
		Practicum in Health Science (2)*			
Cosmetology	Introduction to Cosmetology (1)		Cosmetology Operator License		
	Principles of Cosmetology Design and Color (1)				
	Cosmetology I (2)*				
	Cosmetology II (2)*				

Campus	Program of Study	2022-2023 CTE Course Sequence (credit value)	Industry Based Certification Types Earned - 21/22	Program of Study Alignment 22/23	Implementation
MICKEY LELAND CPA	Graphic Design and Multimedia Arts	Digital Media (1)	Adobe Certified Associate Photoshop	Adobe Certified Professional in Graphic Design Using Photoshop	
		Digital Design and Media Production (1)			
		Career Preparation I (2)*			
		NONE			
	Programming and Software Development	Fundamentals of Computer Science (1)		Certified Entry-Level Python Programmer (PCEP)	(DSA needed)
		AP Computer Science Principles (1)			
		AP Computer Science A (1)*			
		Career Preparation I (2)*			

Campus	Program of Study	2022-2023 CTE Course Sequence (credit value)	Industry Based Certification Types Earned - 21/22	Program of Study Alignment 22/23	Implementation
MIDDLE COLLEGE HS at HCC GULFTON	Programming and Software Development	Fundamentals of Computer Science (1)	MOS Word	NO, Certified Entry-Level Python Programmer (PCEP)	(DSA needed)
		Computer Science I (1)			
		Computer Science II (1)*			
		Mobile Application Development (1)*			

Campus	Program of Study	2022-2023 CTE Course Sequence (credit value)	Industry Based Certification Types Earned - 21/22	Program of Study Alignment 22/23	Implementation
MIDDLE COLLEGE HS at HCC FRAGA	Marketing and Sales	Principles of Business, Marketing, and Finance (1)	MOS Word, MOS Word Expert	NO, NO, Entrepreneurship and Small Business	
		Virtual Business (0.5) AND Advertising (0.5)*			
		Retail Management (1)^ AND Marketing (1)			
		Career Preparation I (2)*			



Campus	Program of Study	2022-2023 CTE Course Sequence (credit value)	Industry Based Certification Types Earned - 21/22	Program of Study Alignment 22/23	Implementation	
MILBY	Carpentry	CTE Options on Home Campus	NCCER Core Level I, OSHA 30 Construction*	YES, NO* (NCCER Carpentry Level I)		
		CTE Options on Home Campus				
		Construction Technology I (2)				
	HVAC and Sheet Metal	Construction Technology II (2)*			NCCER Core Level I, NCCER HVAC Level I, Refrigerant Handling EPA 608	
		Principles of Construction (1)				
		HVAC and Refrigeration Technology I (1)				
	Culinary Arts	HVAC and Refrigeration I Technology II (2)*	ServSafe Manager		ServSafe Manager	
		Introduction to Culinary Arts (1)				
		Foundations of Restaurant Management (1)				
	Welding	Culinary Arts (2)	AWE Sense Welding Level I		AWE Sense Welding Level I	
		Advanced Culinary Arts (2)*				
		Introduction to Welding (1)				
	Cybersecurity	Welding I (2)	MTA Introduction to Programming Using Python		Comp TIA A+/Network+/Security+	(DSA needed)
		Welding II (2)*				
		NONE				
	Engineering	Fundamentals of Computer Science (1)	OSHA 30 General		Autodesk Associate (Certified User) Inventor for Mechanical Design, Certified SOLIDWORKS Associate*	
		AP Computer Science Principles (1)				
		Computer Science I (1)				
	Healthcare Diagnostics	Cybersecurity Capstone (2)*^	Clinical Medical Assistant		YES, Pharmacy Technician	
		Principles of Applied Engineering (1)				
		Engineering Design and Presentation I (1)*				
	Cosmetology	Engineering Design and Presentation II (2)*			Cosmetology Operator License	
		Engineering Design and Problem Solving (1)*				
		Principles of Health Science (1)				
		Medical Terminology (1)				
		Health Science Theory with Clinical (2)*				
		Practicum in Health Science (2)*				
		Introduction to Cosmetology (1)				
Principles of Cosmetology Design and Color Theory (1)						
Cosmetology I (2) * OR Nail Care, Enhancements, and Spa Svcs (1)^						
		Cosmetology II (2)*				

Campus	Program of Study	2022-2023 CTE Course Sequence (credit value)	Industry Based Certification Types Earned - 21/22	Program of Study Alignment 22/23	Implementation
MOUNT CARMEL ACADEMY	Health Informatics	Medical Terminology (1)		Medical Billing and Coding Specialist	
		Business Information Management I (1)			
		Health Informatics (1)*			
		NONE			

Campus	Program of Study	2022-2023 CTE Course Sequence (credit value)	Industry Based Certification Types Earned - 21/22	Program of Study Alignment 22/23	Implementation
NORTH HOUSTON ECHS	Entrepreneurship	Principles of Business, Marketing and Finance (1)	Entrepreneurship and Small Business, MOS Word	YES, NO	
		Entrepreneurship (1)			
		Entrepreneurship II (1)^			
		Project Based Research (1)* OR Practicum in Entrepreneurship (2)*			
	Government and Public Administration	Principles of Government and Public Administration (1)		NONE	ALTERNATE CCMR
		Political Science I (1)			
		Dimensions of Diplomacy (1)*^			
	TBD				

Campus	Program of Study	2022-2023 CTE Course Sequence (credit value)	Industry Based Certification Types Earned - 21/22	Program of Study Alignment 22/23	Implementation
NORTH FOREST	HVAC and Sheet Metal (DCH)	Principles of Construction (1)	Refrigerant Handling EPA 608 [25 current seniors]	YES (NCCER Core Level 1)	
		HVAC and Refrigeration Technology I (1)			
		HVAC and Refrigeration Technology II (2)*			
		Practicum in Construction Technology (2)*			
	Networking Systems	Principles of Information Technology (1)	MOS Word/Excel	NO (Cisco 100-490/200-301, CompTIA Network+)	(DSA needed)
		Internetworking Technologies I (1)			
		Internetworking Technologies II (1)*			
		Career Preparation I (2)*			
	Automotive	Principles of Transportation Systems (1)	ASE Maintenance Light and Light Repair Entry Level, ASE Refrigerant Recovery and Recycling	YES	
		Energy, Power and Transportation Systems (1)			
		Automotive Basics (1)			
		Career Preparation I (2)*			
	Animal Science	Principles of Agriculture, Food and Natural Resources (1)	OSHA 30 General, Certified Veterinary Assistant	(NO) YES [Elanco Animal Science Cert]	
		Livestock Production (1)*			
		Veterinary Medical Applications (1)*			
		Practicum in Agriculture, Food and Natural Resources (2)*			
	Emergency Services	Principles of Law, Public Safety, Corrections and Security (1)	OSHA 30 General	NO (OSHA Hazardous Waste Operations and Emergency Response*, IAED Emergency Telecommunicator)	
		Disaster Response (1)^			
		Firefighter I (2)*			
		Anatomy and Physiology (1)*			

Campus	Program of Study	2022-2023 CTE Course Sequence (credit value)	Industry Based Certification Types Earned - 21/22	Program of Study Alignment 22/23	Implementation
NORTHSIDE	Digital Communications	Principles of Arts, A/V Technology And Communications (1)		Adobe Certified Professional in Digital Video Using Adobe Premiere Pro, Adobe Certified Professional in Visual Design Using Photoshop,	
		Audio/ Video Production I (1)			
		Audio/ Video Production II (1)*			
	Graphic Design and Multimedia Arts	Principles of Arts, A/V Technology And Communications (1)	Adobe Certified Associate Photoshop	YES	
		Digital Media (1) OR Graphic Design and Illustration I (1)			
		Graphic Design and Illust. I DCH (2) OR Graphic Design and Illust. II (2)			
		Graphic Design and Illust. II DCH (2)* OR Practicum in Audio/ Video Production (2)*			
	Culinary Arts	Principles of Hospitality and Tourism (1)		ServSafe Manager	
		Introduction to Culinary Arts (1)			
		Culinary Arts (2)			
		Practicum in Culinary Arts (2)*			
	Lodging and Resort Management	Principles of Hospitality and Tourism (1)	Certified Hospitality and Tourism Management Professional	YES	
		Hotel Management (1)			
		Hospitality Services (2)*			
		Practicum in Hospitality Services (2)*			
	Cybersecurity	Principles of Information Technology (1)		Comp TIA A+/Network+/Security+	(DSA needed)
		Internetworking Technologies (1)^			
		Networking (1)*			
		Practicum in Information Technology (2)*			

Campus	Program of Study	2022-2023 CTE Course Sequence (credit value)	Industry Based Certification Types Earned - 21/22	Program of Study Alignment 22/23	Implementation
SCARBOROUGH	HVAC and Sheet Metal	Principles of Construction (1)	Refrigerant Handling EPA 608, OSHA 30 Construction	YES, NO, NCCER Core Level I, NCCER HVAC Level I	
		HVAC and Refrigeration Technology I (1)			
		HVAC and Refrigeration Technology II (2)*			
		Practicum in Construction Technology (2)*			
	Business Management	Principles of Business, Marketing and Finance (1)		MOS Word Expert, MOS Excel Expert, Entrepreneurship and Small Business	
		Business Information Management I (1)			
		Business Management (1)*			
		Practicum in Business Management (2)*			
	Teaching and Training	Principles of Education and Training (1)	Educational Aide I	YES	
		Human Growth and Development (1)			
		Instructional Practices (2)*			
		Practicum in Education and Training (2)*			

Campus	Program of Study	2022-2023 CTE Course Sequence (credit value)	Industry Based Certification Types Earned - 21/22	Program of Study Alignment 22/23	Implementation
SHARPSTOWN	Plant Science	Principles of Agriculture, Food, and Natural Resources (1)		TSFA Level 1 Floral Certification	
		Horticultural Science (1)*			
		Floral Design I (1)*			
		Advanced Floral Design (1)*^ OR Advanced Plant and Soil Science (1)*			
	Graphic Design and Multimedia Arts	Digital Media (1) OR Video Game Design (1)		Adobe Certified Professional in Graphic Design and Illustration Using Adobe Illustrator	
		Animation I (1)			
		Animation II (1)*			
		Practicum in Audio/Video Production (2)*			
	Digital Communications	Principles of Arts, A/V Technology and Communications (1)		Adobe Certified Professional in Digital Video Using Adobe Premiere Pro, Adobe Certified Professional in Visual Design Using Photoshop,	
		Audio/Video Production I (1)			
		Audio/Video Production II (1)*			
		Practicum in Audio/Video Production (2)* OR Practicum in Entrepreneurship (2)*^			
	Healthcare Diagnostics	Principles of Health Science (1)	Clinical Medical Assistant, Medical Billing and Coding	YES, NO	
		Medical Terminology (1)			
		Health Science Theory (1)*			
		Anatomy and Physiology (1)*			

Campus	Program of Study	2022-2023 CTE Course Sequence (credit value)	Industry Based Certification Types Earned - 21/22	Program of Study Alignment 22/23	Implementation
SHARPSTOWN INTERNATIONAL	Graphic Design and Multimedia Arts	Principles of Arts, AV Technology and Communications (1)	Adobe Certified Associate Illustrator	YES [Adobe Certified Professional in Graphic Design Using Photoshop]	
		Graphic Design and Illustration I (1)			
		Graphic Design and Illustration II (1)*			
		Digital Art and Animation (1)*			
	Entrepreneurship	Business Information Management I (1)		Entrepreneurship and Small Business	
		Entrepreneurship I (1)			
		Entrepreneurship II (1)*			
		Project-Based Research (1)*			
	Advanced Manufacturing and Machinery Mechanics	Principles of Applied Engineering (1)		OSHA 30 General*	
		Manufacturing Engineering Technology I (1)			
		Engineering Design and Presentation I (1)*			
		Career Preparation I (2)*			
	Programming and Software Development	Computer Science I (1)		Certified Entry-Level Python Programmer (PCEP)	(DSA needed)
		AP Computer Science Principles (1)			
		IB Computer Science SL1 (1)*			
		IB Computer Science HL1 (1)*			



Campus	Program of Study	2022-2023 CTE Course Sequence (credit value)	Industry Based Certification Types Earned - 21/22	Program of Study Alignment 22/23	Implementation
SOUTH EARLY COLLEGE HS	Business Management	Business Information Management I (1)		MOS Word Expert, MOS Excel Expert, Entrepreneurship and Small Business	
		Business Information Management II (1)			
		Business Management (1)*			
		Statistics and Business Decision Making (1)*			
		Engineering Essentials (1) (PLTW)^			
	Engineering	Introduction to Engineering Design (PLTW) (1)^		Autodesk Associate (Certified User) Inventor for Mechanical Design, Certified SOLIDWORKS Associate*	
		Engineering Science (1)*			
		Civil Engineering and Architecture (PLTW) (1)*^			

Campus	Program of Study	2022-2023 CTE Course Sequence (credit value)	Industry Based Certification Types Earned - 21/22	Program of Study Alignment 22/23	Implementation
STERLING	Business Management	Business Information Management I (1)	MOS Word, MOS Word Expert, MOS Excel, MOS Excel Expert	NO*, YES, NO*, YES	
		Business Information Management II (1)			
		Business Management (1)*			
		Practicum in Business Management (2)* OR Career Prep I (2)*			
	Welding	Introduction to Welding (1)	NCCER Welding Level I, NCCER Core Level I	YES	
		Welding I (2)			
		Welding II (2)*			
		Practicum in Manufacturing (2)*			
	Automotive	Principles of Transportation Systems (1)	ASE Painting and Refinishing Entry Level, ASE Refrigerant Recovery and Recycling	YES	
		Automotive Technology I: Maintenance and Light Repair (2)*			
		Automotive Technology II: Automotive Services (2)*			
	Aviation Maintenance	Introduction to Aircraft Technology (1)	FAA 107 Remote Drone Pilot	NO, Aerospace Manufacturing Certification, OSHA 30 General*	(Cold Start AMC)
		Aircraft Airframe Technology (2)*			
		Aircraft Powerplant Technology (2)*			
		Practicum in Transportation Systems (2)*			
	Law Enforcement	Principles of Law, Public Safety, Corrections and Security (1)	Non-commissioned Security Officer Level II	YES	
		Law Enforcement I (1)			
Law Enforcement II (1)*					
Practicum in Law, Public Safety, Corrections and Security (2)*					

Campus	Program of Study	2022-2023 CTE Course Sequence (credit value)	Industry Based Certification Types Earned - 21/22	Program of Study Alignment 22/23	Implementation
WALTRIP	Graphic Design and Multimedia Arts	Digital Media (1)	Adobe Certified Associate Photoshop	YES	
		Graphic Design and Illustration I (1)			
		Graphic Design and Illustration II (1)*			
		Digital Art and Animation (1)*			
	Digital Communications	Principles of Arts, AV Technology and Communications (1)	Adobe Certified Associate Premiere Pro	YES	
		Audio/Video Production I (1)			
		Audio/Video Production II (1)*			
		Practicum in Audio/Video Production (2)*			
	Business Management	Principles of Business, Marketing, and Finance (1)	MOS Word, MOS Word Expert, MOS Excel, MOS Excel Expert	NO*, YES, NO*, YES	
		Business Information Management I (1)			
		Business Information Management II (1)			
		Practicum in Business Management (2)* OR Career Preparation I (2)*			
	Automotive	Principles of Transportation Systems (1)	ASE Refrigerant Recovery and Recycling	ASE Maintenance Light and Light Repair Entry Level, ASE Refrigerant Recovery and Recycling	
		Energy and Power of Transportation Systems (1) *			
		Automotive Technology I: Maintenance and Light Repair (2) *			
		Principles of Information Technology (1)			
	Information Technology Support and Services	Geographic Information Systems (1)^ *		CompTIA A+, CompTIA Fundamentals+	(DSA needed)
		Raster Based Geographic Information Systems (1)^			
		Practicum in Information Technology (2)*			
		Principles of Applied Engineering (1)			
	Engineering	Manufacturing Engineering Technology (1)	Certified SOLIDWORKS Associate	Autodesk Associate (Certified User) Inventor for Mechanical Design, Certified SOLIDWORKS Associate*	
Engineering Design and Presentation I (1) *					
Practicum in Science, Technology, Engineering and Mathematics (2)*					
Principles of Health Science (1)					
Healthcare Therapeutics	Medical Terminology (1)		Certified Clinical Medical Assistant		
	Health Science Theory (1)*				
	Pharmacology (1) *				

Campus	Program of Study	2022-2023 CTE Course Sequence (credit value)	Industry Based Certification Types Earned - 21/22	Program of Study Alignment 22/23	Implementation
WASHINGTON	Animal Science	Principles of Agriculture, Food and Natural Resources (1)	NONE	Certified Veterinary Assistant, Elanco Animal Science Certification	
		Livestock Production (1)*			
		Veterinary Medical Applications (1)*			
		Advanced Animal Science (1)*			
	Carpentry	Principles of Construction (1)	NCCER Core Level I	YES	
		Construction Technology I (2)			
		Construction Technology II (2)*			
		Practicum in Construction Technology (2)*			
	Networking Systems	Principles of Information Technology (1)	MTA Networking Fundamentals	NO (Cisco 100-490/200-301, CompTIA Network+)	(DSA needed)
		Computer Maintenance (1)			
		Networking (1)			
		Advanced Cloud Computing (1)**			
	Engineering	Principles of Applied Engineering (1)	Certified SOLIDWORKS Associate, FAA Part 107 Remote Drone Pilot	YES, NO	
		Engineering Design and Presentation I (1)*			
		Engineering Design and Problem Solving (1)*			
		Practicum in STEM (2)*			

Campus	Program of Study	2022-2023 CTE Course Sequence (credit value)	Industry Based Certification Types Earned - 21/22	Program of Study Alignment 22/23	Implementation
WESTBURY	Business Management	Principles of Business Marketing and Finance (1)	MOS Word, MOS Excel	YES*, YES*, MOS Word Expert, MOS Excel Expert	
		Business Information Management I (1)			
		Business Information Management II (1)			
		Practicum in Business Management (2)* OR Business Management (1)*			
	Web Development	Principles of Information Technology (1)	MTA Introduction to Programming Using HTML and CSS, Unity Certified Programmer	(discontinued), NOCTI Web Design, CWMADA	(Cold Start)
		Web Design (1)*			
		Web Game Development (1)* Project Based Research (1)*			
	Automotive	Principles of Transportation Systems (1)	ASE Brakes Entry Level, ASE Electrical/Electronic Systems Entry Level, ASE HVAC Entry Level, ASE Maintenance and Light Repair Entry Level, ASE Refrigerant Recovery and Recycling, ASE Suspension and Steering Entry Level	ASE Brakes Entry Level, ASE Electrical/Electronic Systems Entry Level, ASE HVAC Entry Level, ASE Maintenance and Light Repair Entry Level, ASE Refrigerant Recovery and Recycling, ASE Suspension and Steering Entry Level	
		Automotive Basics (1)			
		Automotive Technology I: Maintenance and Light Repair (2)* Automotive Technology II: Automotive Service (2)* OR Practicum in Transportation Systems (2)*			
	Engineering	Principles of Applied Engineering (1)		Autodesk Associate (Certified User) Inventor for Mechanical Design, Autodesk Associate (Certified User) AutoCAD	
		Introduction to Engineering and Design PLTW (1)^			
		Computer Integrated Manufacturing PLTW (1)^ *			
		Engineering Design and Problem Solving (1)*			
	Emergency Services	Principles of Law, Public Safety, Corrections, and Security (1)		OSHA Hazardous Waste and Emergency Response*	
		Disaster Response (1)^			
		Firefighter I (2)* Emergency Medical Technician - Basic (2)^ *			
	Healthcare Diagnostics	Principles of Health Science (1)	Clinical Medical Assistant	Clinical Medical Assistant	
		Health Science Theory (1)*			
		Anatomy and Physiology (1) *			
Practicum in Health Science (2)* OR Pathophysiology (1)*					

Campus	Program of Study	2022-2023 CTE Course Sequence (credit value)	Industry Based Certification Types Earned - 21/22	Program of Study Alignment 22/23	Implementation
WESTSIDE	Environmental and Natural Resources	Principles of Agriculture, Food, and Natural Resources (1)		Water Operators - Class D, Natural Resources Systems	(DSA needed)
		Range Ecology and Management (1)*			
		Project Based Research (1)*			
		Scientific Research and Design (1)*			
	Graphic Design and Multimedia Arts (1)	Principles of Arts, A/V Tech and Communications (1)		Adobe Certified Professional in Visual Effects Using After Effects	
		Animation I (1)			
		Animation II w/Lab (2)*			
		Practicum in Animation (2)*			
	Graphic Design and Multimedia Arts (2)	Principles of Arts, A/V Tech and Communications (1)		Adobe Certified Professional in Visual Design Using Photoshop	
		Graphic Design and Illustration I (1)			
		Graphic Design and Illustration II (1)*			
		Practicum in Graphic Design and Illustration (2)*			
	Digital Communications	Principles of Arts, A/V Tech and Communications (1)		Adobe Certified Associate Premiere Pro	
		Audio/Video Production I (1)			
		Audio/Video Production II (1)*			
		Practicum in Audio/Video Production (2)*			
	Accounting and Financial Services	Principles of Business Marketing and Finance (1)	Quickbooks Certified User	YES (Intuit Quickbooks Certified User)	
		Financial Mathematics (1)* OR Business Information Management (1)			
		Accounting I (1)			
		Practicum in Business Management (2)* OR Career Preparation I (2)*			
Business Management	Principles of Business, Marketing and Finance (1)	MOS Word	YES*, MOS Word Expert		
	Business Information Management I (1)				
	Business Law (1) OR Global Business (0.5) * AND Virtual Business (0.5)				
	Practicum in Business Management (2)* OR Business Management (1)*				
Culinary Arts	Introduction to Culinary Arts (1)		ServSafe Manager		
	Culinary Arts (2)				
	Advanced Culinary Arts (2)*				
	Practicum in Culinary Arts (2)*				
Programming and Software Development	Fundamentals of Computer Science (1)	MTA Introduction to Programming Using Java	C++ Certified Associate Programmer, Certified Entry-Level Python Programmer, Certified Professional Programmer	(DSA needed Python)	
	Computer Science I (1)				
	Computer Science II (1)* OR AP Computer Science Principles (1)				
	Practicum in Information Technology (2)* OR AP Computer Science A (2) *				
Engineering (PLTW)	Introduction to Engineering Design (1) (PLTW)^		Autodesk Associate (Certified User) Inventor for Mechanical Design, Autodesk Associate (Certified User) AutoCAD		
	Computer Integrated Manufacturing (1) (PLTW)^ *				
	Digital Electronics (1)*				
	Engineering Design and Problem Solving (1)*				
Legal Studies	Political Science I (1)		NONE	ALTERNATE CCMR	
	Political Science II (1)*				
	Business Law (1)				
	Project Based Research (1)*				
Healthcare Diagnostics	Principles of Health Science (1)	Clinical Medical Assistant, Pharmacy Technician	YES, YES		
	Medical Terminology (1)				
	Anatomy and Physiology (1)* AND Health Science Theory (1)*				
	Practicum in Health Science (2)* OR Pharmacology (1)*				

Campus	Program of Study	2022-2023 CTE Course Sequence (credit value)	Industry Based Certification Types Earned - 21/22	Program of Study Alignment 22/23	Implementation
WHEATLEY	Graphic Design and Multimedia Arts	Principles of Arts, A/V Technology, and Communications (1)	NONE	Adobe Certified Professional in Visual Effects Using After Effects	
		Animation I (1)			
		Animation II (1)*			
		Career Preparation I (2)*			
	Culinary Arts	Principles of Hospitality and Tourism (1)	ServSafe Manager	YES	
		Introduction to Culinary Arts (1)			
		Culinary Arts (2)			
		Advanced Culinary Arts (2)*			
	Web Development	Principles of Information Technology (1)	NONE	NOCTI Web Design, CWMADA	(DSA needed)
		Project Based Research (1)*			
		Career Preparation I (2)*			
		(none)			
	Automotive	Principles of Transportation Systems (1)	ASE Automotive Service Technology, ASE Brakes, ASE Electrical/Electronic Systems, ASE Engine Performance, ASE Maintenance and Light Repair, ASE Manual Drivetrain, ASE Refrigerant, ASE Suspension and Steering	YES	
		Automotive Basics (1)			
		Automotive Technology I: Maintenance and Light Repair (2)*			
		Practicum in Transportation Systems (2)*			
	Government and Public Administration	Principles of Government and Public Administration (1)	MOS Word	NONE	ALTERNATE CCMR
		Dimensions of Diplomacy (1)*^			
		Planning and Governance (1)*			
		Prac. in Local, State and Federal Govt (2)* OR Public Mgmt. (1)*			
	Early Learning (PTECH)	Principles of Education and Training (1)	NONE (phase-in)	Child Development Associate	
		Child Development (1)			
		Child Guidance (2)*			
		Career Preparation I (2)*			

Campus	Program of Study	2022-2023 CTE Course Sequence (credit value)	Industry Based Certification Types Earned - 21/22	Program of Study Alignment 22/23	Implementation
WISDOM	Carpentry	Principles of Construction (1)	NCCER Core Level I	YES, NCCER Carpentry Level I	
		Construction Technology I (2)			
		Mill and Cabinetmaking Technology (2)*			
	Business Management	Principles of Business, Marketing and Finance (1)	MOS Word, MOS Word Expert	YES*, YES	
		Business Information Management I (1)			
		Business Information Management II (1)* OR Human Resource Management (0.5)* AND Global Business (0.5)* Practicum in Business Management (2)*			
	Welding	Introduction to Welding (1)	NCCER Core Level I	YES, NCCER Welding Level I	
		Welding I (2)			
		Welding II (2)*			
	Engineering	Principles of Applied Engineering (1)	OSHA 30 General	Autodesk Associate (Certified User) Inventor for Mechanical Design, Autodesk Associate (Certified User) AutoCAD	
		Engineering Design and Presentation I (1)*			
		Engineering Design and Presentation II (2)*			
		Engineering Design and Problem Solving (1)*			
	Programming and Software Development	Fundamentals of Computer Science (1)		C++ Certified Associate Programmer, Certified Entry-Level Python Programmer, Certified Professional Programmer	(Cold Start / DSA needed Python)
		Computer Science I (1)			
		Computer Science II (1)*			
		Practicum in Information Technology (2)*			
	Early Learning	Principles of Education and Training (1)		Child Development Associate	
		Child Development (1)			
		Child Guidance (2)*			
	Teaching and Training	Practicum in Education and Training (2)*	Educational Aide I	YES	
		Principles of Education and Training (1)			
		Child Development (1)			
		Instructional Practices (2)*			
Law Enforcement	Practicum in Education and Training (2)*	Non-commissioned Security Officer Level II	YES		
	Principles of Law, Public Safety, Corrections and Security (1)				
	Law Enforcement I (1)				
	Correctional Services (1)*				
		Federal Law Enforcement and Protective Services (1)			



Campus	Program of Study	2022-2023 CTE Course Sequence (credit value)	Industry Based Certification Types Earned - 21/22	Program of Study Alignment 22/23	Implementation
WORTHING	Animal Science	Principles of Agriculture, Food and Natural Resources (1)	OSHA 30 General	NO [Certified Veterinary Assistant, Elanco Animal Science Certification]	
		Livestock Production (1)*			
		Small Animal Management (0.5) OR Equine Science (0.5)			
		Practicum of Agriculture, Food and Natural Resources (2)*			
	Lodging and Resort Management	Principles of Hospitality and Tourism (1)		Certified Hospitality and Tourism Professional	
		Hotel Management (1)			
		Travel and Tourism Management (1)			
		Practicum in Hospitality Services (2)*			
	Web Development	Principles of Information Technology (1)	MTA HTML5 App Development Fundamentals	NOCTI Web Design, CWMADA	(Cold Start)
		Project Based Research (1)*			
		Web Design (1)*			
		Web Game Development (1)*			
	Teaching and Training	Principles of Education and Training (1)	Educational Aide I	YES	
		Human Growth and Development (1)			
		Instructional Practices (2)*			
		Practicum in Education and Training (2)*			

Campus	Program of Study	2022-2023 CTE Course Sequence (credit value)	Industry Based Certification Types Earned - 21/22	Program of Study Alignment 22/23	Implementation
YATES	Graphic Design and Multimedia Arts	Principles of Arts, Audio/Video Technology, and Communications (1)		Adobe Certified Professional in Visual Design Using Photoshop	
		Digital Media (1)			
		Commercial Photography I (1)			
	Digital Communications (1)	Commercial Photography II (1)*		Adobe Certified Associate Premiere Pro	
		Principles of Arts, Audio/Video Technology, and Communications (1)			
		Professional Communications (0.5) AND Web Communications (0.5)			
		Digital Audio Technology I (1)			
	Digital Communications (2)	Digital Audio Technology II (1)*		Adobe Certified Associate Premiere Pro	
		Principles of Arts, Audio/Video Technology, and Communications (1)			
		Audio/Video Production I (1)			
		Audio/Video Production II (2)*			
		Practicum in Audio/Video Production (2)*			
	Entrepreneurship	Principles of Business, Marketing, and Finance (1)		Entrepreneurship and Small Business	
		Business Information Management I			
		Entrepreneurship (1)			
		Practicum in Entrepreneurship (2)**			
	Distribution and Logistics	Principles of Distribution and Logistics (1)		NCCER Core Level I, MSSC Certified Logistics Technician, OSHA 30 General*	
		Management of Transportation Systems (1)			
		Distribution and Logistics (1) *			
		Practicum in Distribution and Logistics (2)*			

Campus	Program of Study	2022-2023 CTE Course Sequence (credit value)	Industry Based Certification Types Earned - 21/22	Program of Study Alignment 22/23	Implementation
YWCPA	Biomedical Science	Principles of Biosciences (1)		Medical Laboratory Assistant, Medical Laboratory Technician	(Cold Start)
		Biotechnology I (1)			
		Biotechnology II (1)*			
		Practicum in STEM (2) * OR Scientific Research and Design (1)*			
	Engineering	Principles of Applied Engineering (1)		Autodesk Associate (Certified User) Inventor for Mechanical Design, Autodesk Associate (Certified User) AutoCAD	
		Engineering Design and Presentation I (1)*			
		Engineering Design and Presentation II (2)*			
		Engineering Science (1)* OR Practicum in STEM (2)*			
	Programming and Software Development	AP Computer Science Principles (1)	MOS Word, MOS Excel	NO, NO [C++ Certified Associate Programmer, Certified Entry-Level Python Programmer, Certified Professional Programmer]	(Cold Start / DSA needed Python)
		Computer Science I (1)*			
		Game Programming and Design (1)*			
		Career Preparation I (2)*			

**Carpentry**

**Business Management**

**Distribution and Logistics**

**Maritime Science**

**Networking Systems**

**Web Development**

**Welding**

**Engineering**

**Teaching and Training**

**Teaching and Training**

**Graphic Design and Multimedia Arts**

**Business Management**

**Accounting and Financial Services**

**Marketing and Sales**

**Distribution and Logistics**

**Animal Science**

**Plant Science**

**Programming and Software Development (1)**

<b>Programming and Software Development (2)</b>
<b>Family and Community Services</b>
<b>Environmental and Natural Resources</b>
<b>Graphic Design and Multimedia Arts</b>
<b>Digital Communications</b>
<b>Animal Science</b>
<b>Plant Science</b>
<b>Engineering</b>
<b>Renewable Energy</b>

**Renewable Energy**

**Emergency Services (1)**

**Emergency Services (2)**

**Healthcare Therapeutic**

**Healthcare Diagnostics**

**Healthcare Therapeutic**

**Renewable Energy**

**Engineering**

**Programming and Software Development**

<b>Advanced Manufacturing and Machinery Mechanics</b>
<b>Engineering</b>
<b>Environmental and Natural Resources</b>
<b>Graphic Design and Multimedia Arts</b>
<b>Healthcare Therapeutics</b>
<b>Entrepreneurship</b>
<b>Graphic Design and Multimedia Arts</b>
<b>Programming and Software Development</b>
<b>Engineering</b>



**Engineering**

**Government and Public Administration**

**Graphic Design and Multimedia Arts**

**Digital Communications**

**Accounting and Financial Services**

**Business Management**

**Automotive**

**Web Development**

**Advanced Manufacturing and Machinery Mechanics**

**Healthcare Diagnostics**

**Cybersecurity**

**Government and Public Administration**

**Emergency Services**

**Law Enforcement**

**Legal Studies**

**Digital Communications**

**Plumbing and Pipefitting**

**Business Management**

**Business Management**

**Graphic Design and Multimedia Arts**

**Digital Communications**

**Automotive**

**Networking Systems**

**Drone (Unarmed Flight)**

**Programming and Software Development**

**Healthcare Diagnostics**

**Cosmetology**

**Architectural Design**

**HVAC and Sheet Metal (PTECH 22/23)**

**Healthcare Diagnostics**

**Construction Management and Inspection**

**Marketing and Sales**

**Culinary Arts**

**Automotive**

**Architectural Design**

**Electrical**

**Electrical**

**Refining & Chemical Processes**

**Welding**

**Teaching and Training**

**Cosmetology**

**Government and Public Administration**

**Healthcare Diagnostics**

**Graphic Design and Multimedia Arts**

**Graphic Design and Multimedia Arts (Futures)**

**Entrepreneurship**

**Graohic Design and Multimedia Arts**

**Digital Communications**

**Accounting and Financial Services**

**Business Management**

**Culinary Arts**

**Lodging and Resort Management**

**Animal Science**

**Plant Science**

**Plant Science**

**Engineering**

**Programming and Software Development**

**Exercise Science and Wellness**

**Family and Community Services**

**Graphic Design and Multimedia Arts**

**Biomedical Science**

**Networking Systems**

**Automotive**

**Animal Science**

**Advanced Manufacturing and Machinery Mechanics**

**Welding**

**Engineering**

**Healthcare Diagnostics**

**Cosmetology**

**Programming and Software Development**

**Programming and Software Development**



<b>Marketing and Sales</b>
<b>Carpentry</b>
<b>HVAC and Sheet Metal</b>
<b>Culinary Arts</b>
<b>Welding</b>
<b>Cybersecurity</b>
<b>Engineering</b>
<b>Healthcare Diagnostics</b>
<b>Cosmetology</b>
<b>Health Informatics</b>

**Health Informatics**

**Entrepreneurship**

**Government and Public Administration**

**HVAC and Sheet Metal (DCH)**

**Networking Systems**

**Automotive**

**Animal Science**

**Emergency Services**

**Digital Communications**

**Graphic Design and Multimedia Arts**

**Culinary Arts**

**Lodging and Resort Management**

**Cybersecurity**

**HVAC and Sheet Metal**

**Business Management**

**Teaching and Training**

**Plant Science**

**Graphic Design and Multimedia Arts**

**Graphic Design and Multimedia Arts**

**Digital Communications**

**Healthcare Diagnostics**

**Graphic Design and Multimedia Arts**

**Entrepreneurship**

**Advanced Manufacturing and Machinery Mechanics**

**Programming and Software Development**

**Business Management**

**Engineering**

**Business Management**

**Welding**

**Automotive**

**Aviation Maintenance**

**Law Enforcement**

**Graphic Design and Multimedia Arts**

**Digital Communications**

**Business Management**

**Automotive**

**Information Technology Support and Services**

**Engineering**

**Healthcare Therapeutics**

**Animal Science**

**Plant Science**

**Carpentry**

**Networking Systems**

**Engineering**

**Business Management**

**Business Management**

**Web Development**

**Automotive**

**Engineering**

**Emergency Services**

**Healthcare Diagnostics**

**Environmental and Natural Resources**

**Graphic Design and Multimedia Arts (1)**

**Graphic Design and Multimedia Arts (2)**

**Digital Communications**

**Accounting and Financial Services**

**Business Management**

**Culinary Arts**

**Programming and Software Development**

**Engineering (PLTW)**

**Legal Studies**

**Healthcare Diagnostics**

**Graphic Design and Multimedia Arts**



**Graphic Design and Multimedia Arts**

**Culinary Arts**

**Web Development**

**Automotive**

**Government and Public Administration**

**Early Learning (PTECH)**

**Carpentry**

**Business Management**

**Welding**

**Engineering**

<b>Engineering</b>
<b>Programming and Software Development</b>
<b>Early Learning</b>
<b>Teaching and Training</b>
<b>Law Enforcement</b>
<b>Animal Science</b>
<b>Lodging and Resort Management</b>
<b>Web Development</b>
<b>Teaching and Training</b>

**Graphic Design and Multimedia Arts**

**Digital Communications (1)**

**Digital Communications (2)**

**Entrepreneurship**

**Distribution and Logistics**

**Biomedical Science**

**Engineering**

**Programming and Software Development**