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ITEM A.1 (AGENDA REVIEW)

What percentage of our students are NOT enrolled in AP, IB, dual credit, dual enrollment, CTE/IBC, etc.? *UPDATED 2/7/23*

Twenty percent of students are not enrolled in any pathway.

What percentage of our students are enrolled in more than one of these pathways?

UPDATED 2/7/23

Thirty-seven percent of students are enrolled in more than one pathway.

Please include the attachment that was shared in the board referral request on industry-based certification data as well as the questions and responses. (referral #3471). The document is here.

Please attach the spreadsheet – Career & Technical Education (CTE) programs of study - that was part of the May Q&A.

The document is here and also included with the Q&A.

What systems are in place to evaluate the effectiveness of Career & Technical Education (CTE) programs (students are actually earning their industry-based certifications (IBC) and students are actually gainfully employed in their field after high school) and how are you evaluating those systems?

It is inherently challenging to track employment after high school due to barriers to receiving the employment data from state and federal sources. Even with that data, it is challenging to evaluate whether the job is in the student's field. For example, one cannot tell from government data if a student who earned an HVAC certification and is working for Exxon Mobile is using their industry-based certification in their job. To partially compensate for this lack of information, we use graduation exit surveys to learn where students say they will be working and what they will be doing. While it will not provide complete data, it should lead to enough information to evaluate how effective the IBC programs are in leading to related gainful employment.

Within our power now is to measure how effectively students are earning their industry-based certifications. We have found that we need to do this analysis on a campus-by-campus basis because too many of the barriers to students completing their IBCs are localized to the campus. To mitigate these barriers, Career Readiness holds regular meetings with campus leadership and has district specialists who work with campus staff. They work with teachers to ensure that the material is being taught with fidelity to maximize the success of students earning their IBCs. They also work with counselors and Tier II

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leaders to ensure that the proper courses are being offered and that students are being scheduled into those courses. As a final step, they constantly monitor the number of IBC vouchers ordered, completed, and recorded to ensure that students are completing that important step. Annual review meetings are held with the leadership at each campus to review labor market data, enrollment, completion, and IBC outcomes of the students.

Are you evaluating the students that could quality for the College, Career, and Military Readiness (CCMR) outcomes bonus funding? Are there students that are close to meeting the criteria but just need an extra boost? Please explain.

The CCMR outcomes bonus funding can be earned through one of two pathways:

- 1) A student earns college-ready status through standardized test scores (SAT, ACT, TSIA2) and enrolls in college the following fall semester; or
- 2) A student earns an industry-based certification (IBC) and enrolls in college the following fall semester.

We have found that approximately 80% of students who enrolled in college and were close but did not meet one of the two pathways were closer on the college-ready pathway. With these students we are working to strategically prepare them to score as college-ready through the SAT or TSIA2, depending on the student's particular circumstances. This is where tools such as Khan Academy can be leveraged. Increasing CCMR outcome bonus among students in the IBC pathway involves encouraging those students who earn the IBC but may not see themselves as "college material" to explore community college opportunities to expand on the credentials they have already earned in high school. There are currently eight Career Readiness advisors embedded on campuses that specialize in this work. Additionally, we work to ensure that students complete their IBC. The CTE teacher administrating the exams provide the instruction and make determinations regarding the knowledge and skill building needed by the students to be successful. For the platforms that we have where specific objective mastery can be pinpointed, we provide teachers with additional resources where available and pay for an additional exam to give the student the opportunity to earn the IBC.

How are you evaluating the correlation between the job market demands/what students and families want and what industry-based certifications (IBCs) we offer?

The Career Readiness team is constantly monitoring data from the Texas Workforce Commission and the Houston-Galveston Area Council. Additionally, it maintains continual communication with its Business Advisory Council as well as other business partners to maintain a sense of what employers are wanting and to ensure that our programs are providing students with the knowledge and skills valued in the industry.

On the student/family side, before there are changes to Career & Technical Education programs offered

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on a campus, the campus conducts a community survey to learn about interests from students, families, and local businesses. After the survey is conducted, Career Readiness staff meet with campus leaders to discuss where there is overlap between the community interest and regional jobs data.

Annually, Career Readiness staff meets with campus administration to discuss program enrollment and completion rates, and whether it is best to continue with the program, adjust it, or transition to something else.

Finally, if a student's zoned campus does not offer a program the student wishes to join, then they are able to either apply to the programs through magnet or through a CTE transfer with the Office of School Choice.

What barriers exist to increase both student participation/completion and increasing access to Career & Technical Education (CTE) and industry-based certifications (IBCs)?

We face many of the same barriers and challenges as other academic areas when it comes to learning loss and teacher retention. Finding certified and qualified teachers able to teach certain courses is a regular barrier in some CTE pathways. Some of our greater barriers come with logistics and scheduling with individual campuses. When students fall behind in academic core classes, completion of programs of study proves more challenging. We are continuing to work with campus leaders and counseling to assist with master scheduling of courses and sequencing for programs. Often the certifying entity itself has requirements that are more straining on the district than previously required. We are working with Legal Services and other partnering districts to find solutions. We have increased experiential opportunities for students to engage with different industry partners. Students have participated in multiple Career Test Drives that provide hands-on learning about multiple trades. We are engaging middle school students by providing event to expose them to non-traditional careers like our "Girls in Industry Day" event coming up during February CTE Month.

ITEM A.1 (BOARD MEETING)

What is the long-term vision/plan for Grow Your Own?

One initiative within the World-Class Talent Commitment of the strategic plan is Grow Your Own Programs. The scope of this initiative is to provide prospective future teachers with skills, knowledge, and certification to lead as teachers. Our own HISD Alternative Certification Program is a part of this initiative, and we significantly increased participation in this program for School Year 2022-2023, adding a mid-year cohort and leveraging ESSER funds to make the program cost-free for participants. The program will continue to be cost-free for participants in SY 2023-2024. The Talent Office has been engaged in ongoing exploration, collaboration, and planning with a range of IHE (institution of higher education) partners, in particular the University of Houston, the University of Houston-Downtown, and

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the University of Houston-Clear Lake. The purpose has been to identify areas for partnership that will allow HISD to establish coordinated, prioritized, financially supported and sustainable programs for future teachers, with a special focus on the target populations of HISD graduates and HISD teaching assistants. With support from the Houston Endowment, we anticipate registering one or more partnerships as Department of Labor apprenticeship programs soon. While these various elements of work continue simultaneously, we are deliberately building a comprehensive Grow Your Own program plan over a sixmonth period that began in January. We look forward to sharing more on the long-term vision and plan when that work is finished.

Are all schools using T-TESS?

Yes. We adopted the Texas Teacher Evaluation and Support System (T-TESS) rubric as the district's instructional framework and partnered with Region 4 Educational Service Center to train 100% of campus-based appraisers. After early input from a teacher design committee and a technical committee, we designed the T-TESS teacher evaluation system to include multiple measures of performance: 40% instructional practice, 40% student growth, and 20% student feedback. In these design decisions, we considered our priorities to provide teachers with fair, accurate, meaningful information while also building a foundation for a successful Teacher Incentive Allotment program. We are engaged in ongoing calibration activities across schools, engaging school leaders in recurring step-backs to examine trends in instructional practice and observation ratings. Given our interest in effective change management, we announced that teachers' first summative ratings under T-TESS will be in the spring of 2024, allowing time to analyze first-year experiences and adjust as needed.

Please describe the personalized outreach to newly recruited teachers. Please describe support for Principals around talent management

Personalized outreach to newly recruited teachers is listed in the Superintendent's response as one of the targeted supports for newly recruited teachers in the identified campuses for this constraint progress measure. First, the HISD Alternative Certification Program and Teacher Career Development teams – each of which provides direct and indirect support to newly recruited teachers – will provide more hours of support to teachers in the identified campuses over the next five months. Second, we will engage in additional personalized outreach by email and/or telephone to newly recruited teachers in these schools before and after we administer our new Intent to Return process in February and March.

Strategic Talent Management is one of the nine initiatives within the World-Class Talent commitment of the strategic plan. The purpose of this initiative is to provide proactive and strategic support to principals and other hiring managers. The Talent Office has a Talent Management department made up of Talent Managers, who each have a caseload of principals or central office supervisors they support as a one-stop-



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shop liaison for anything related to talent/people management. In November and December, principals were assigned to their new (or continuing) Talent Manager, and we have received very positive feedback about the day-to-day supports they are providing. Looking ahead, one example of coordinated support will relate to a new district-wide staff survey. As the district introduces a new instructional culture survey of teachers (and other campus-based staff) this spring, Talent Managers will support principals in reviewing and planning based on the feedback provided by their teachers (and other campus-based staff).

ITEM A.2

Please explain Function 91 and Function 97.

Function 91 is our recapture payment; the description is what TEA calls this function.

Function 97 is our Tax Reinvestment Zone Payments (TIRZ). These are contractual agreements by which the taxes we collect in these zones are remitted to the City of Houston to fund a portion of the overall City plan in these zones. The City of Houston in return sends a portion back to HISD for instructional facility support.

ITEM A.4

Where is this report?

HERC is making edits to the final draft as recent reports are finalized. The final report will be shared with trustees at the Feb. 9 board meeting.

ITFM H.1

How were these campuses determined to be the most needed? Criteria?

The need for roof replacement was determined by the Facilities Conditions Assessment in conjunction with the HISD master roofer who determined that the specified schools were deemed critical at this time.

Why is Atlas listed two times? And two separate amounts?

Three (3) individual roofing bid packages were developed to obtain the best prices and therefore each bid package is a stand-alone package; Atlas Roofing submitted the best cost proposal for two out of the three bid packages. Each vendor can bid on as many packages as they choose. Each roofing bid package has a specified scope for the schools within the package and cost may vary according to project scope.



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ITEM H.3

What other campuses can benefit from this idea? What foreseeable occurrences would cause the cost to increase from \$500k to over \$1M?

The scope of this project was developed and funded by the campus. Any academic benefit would require a response from the campus-based administration.

The budget for this project increased due to the availability of additional funding provided to the school by external sources.

What function are these funds allocated from? How was this school selected?

This would be funded from Function 81 Facilities acquisition and construction. The funding derived from an appropriations HUD grant from Congresswoman Sheila Jackson Lee's office. The project was started at Booker T. Washington High Schools campus in 2016. Booker T. Washington students presented the project to the community and Congresswoman's office became interested and wanted to assist in Booker T. Washington Vision Project.

ITEM I.1

Which campuses have been identified to have asbestos? What exactly is the purpose of a project management? Why can't the asbestos just be removed?

This preemptive project allows the district to hire a third-party consulting firm for sample testing and project management should asbestos be identified in a district building.

Which campuses have a culinary program? Why is there no advertising of this program?

Currently six campuses offer Culinary Arts program of study. All Career & Technical Education programs are located on the department website, along with School Choice and the district "School Finder" tool. Campuses also host their own events to promote their programs to students and parents.

ITEM I.4

Texas Connections Academy enrollment decreased? I thought they had a wait list. By how many?

Texas Connections enrollment for 2022-2023 is 8,967 comparted 2021-2022 enrollment of 10,127 based on fall snapshot. As schools have returned to in-person learning, the demand for a virtual environment has significantly declined.



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It looks like many of our revenue streams are decreasing. Have we thought of other revenue streams? Please share examples of what other districts in the region and in Texas are doing.

Overall revenues are increasing for the General Fund, Debt Service, and Nutrition Services.

In the General Fund, property tax revenue is decreasing primarily due to the impact of a lower tax rate adopted in October 2022 which is determined through TEA's Voter Approved Tax Rate process even though certified property values were higher compared to certified estimated values.

In school districts, there are two primary ways to generate new retainable revenues (net of recapture).

- 1) increase enrollment, average daily attendance, ensure students are property identified in special categories like economically disadvantaged, and
- 2) Voter Approved Tax Rate (VATR) election asking voters to approve an increase in the district's maintenance and operations tax rate.

In the Debt Service Fund, property taxes are increasing due to higher certified property values compared to certified estimated values.

In the Nutrition Services Fund, the primary driver is a temporary increase in federal reimbursement M rates for school meals.

REFERENCING THE LONE STAR GOVERNANCE MANUAL FOR VISION AND GOALS 4 (CPMS):

Is the status of each Constraint Progress Measure able to be updated multiple times during the school year? How will the monitoring calendar be adjusted? (Preparing to Focus)

Yes, each of these will have data that can be shared multiple times. The monitoring calendar is being updated and will be included in the March board meeting agenda items if these CPMs are deemed predictive of the constraint itself by Trustees in February.

What are the annual targets for these proposed Constraint Progress Measures? (Approaches Focus)

Once the Trustees have given administration the approval to move forward with these recommended CPMs, annual targets will be set and reported during the first round of CPM reporting.

How will these Constraint Progress Measures (CPM) challenge the organization to focus on the vision? (Meets Focus)

These higher targets are a challenge to the organization in that they require significant outreach, continuation of current partnerships, a change in resource allocation for attendance measures, and campus and administration collaboration for space identification.

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How will these Constraint Progress Measures (CPM) challenge the organization to uphold community values? (Meets Focus)

They are aligned and predictive of the constraint that was developed by Trustees to align to the community values they identified before adopting the constraints. Therefore, by being predictive, they in turn also challenge the organization to uphold the community values.

How are they predictive of Constraint 2? (Meets Focus)

Each of these three areas is predictive in that they are indicators of effective wraparound programs. By focusing on these indicators, we are inherently ensuring we are providing an effective program.

Are they influenceable by the superintendent? (Meets Focus)

Yes, in that they require work from administration to ensure success.

What community involvement and communication were conducted to ensure there is broad community ownership of these constraint progress measures by students, staff, and community members? (Masters Focus)

In collaboration with HERC, HISD's Wraparound Services conducted multiple surveys of families and students to identify the needs of the community in this area. These Constraint Progress Measures are aligned with what resources are needed to support our students. Additionally, a data analysis was conducted as we are focused on the negative impacts of chronic absenteeism and truancy, so the additional CPM was added to address mitigating these impacts.

A concern about the current Constraint Progress Measures (CPM) is they are measuring adult outputs and not effectiveness in terms of student impact. This has the potential to promote a focus on meeting quotas instead of effectively identifying and supporting student needs. The proposed revised CPM 2.1 successfully shifts the focus to student impact; however, CPMs 2.2 and 2.3 are written in a way that is retains focus on adult outputs. Could those be written in a way that is more student-centered?

CPMs 2.2 and 2.3 are written to emphasize the foundational elements of effective wraparound systems. Research suggests that in order to be able to support 2.1, there must be a clear and consistent availability of resources to meet the most immediate need of students. Based on data from our district platform and the Needs Assessment Survey by the Houston Education Research Consortium, basic needs (food insecurity, clothing, hygiene products, etc.) and physical and socioemotional needs remain at the top of identified needs in our district.

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Specifically for Constraint Progress Measure (CPM) 2.2, does increasing the number of schools with a basic resource space automatically ensure that all students identified as needing those items receive them "immediately" from the time the need was identified in PURPLE?

Research shows that the essence of wraparound systems is to remove barriers for students and families to increase students' potential for academic readiness. The ability to meet students' basic needs is often considered a crucial action of effective wraparound support in school systems. While this is not an "automatic" process, establishing a space on campus with basic needs items expedites the ability to meet the identified need of our students. This also creates a consistent point of support for both the student and the family, making it a more direct connection to be at the school, especially for students that are missing class because of not having access to some of those resources.

Specifically for 2.3, how will this Constraint Progress Measure (CPM) ensure that the percentage of students identified as needing services are connected with the services they need? Does increasing the number of providers automatically increase connecting students to those services in a timely manner? How was the target number chosen? How does this ensure effectiveness of the services providers to meet the identified needs of students?

As we continue to see the high demand for mental health support and recognizing the barriers (such as partners' capacity, location, and type of services, among others,) we want to ensure we continuously increase the number of partners in this area. Increasing the number of partners does not automatically increase connecting students to those services because the type of services may vary, but it increases the opportunity to have more offerings to serve as many students as possible. Some providers might be funded by grants requiring the student to have insurance, a social security number, or other limiting requirements. The target was chosen based on calculations on the average number of partners that have been able to be processed in a given school year. Existing research suggests that effective wraparound services in a school setting should include a range of services, including mental health services, which requires collaboration with partners and organizations that can offer such services in a coordinated, comprehensive, and accessible manner.

While the constraint specifically states "wraparound services," are support services provided by other departments, such as Student Support Services, included in the data measured by CPM 2.1?

Yes. Through this constraint, the term "wraparound systems" includes the broader umbrella of Student Support Services, including counselors, social workers, and physical and mental health. The Wraparound department is a part of this system, as they are the connectors, but the services and supports encompass a

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broader collaboration, including campus administration support. For the last two years, we have been very focusing on ensuring holistic support is available and designing ways to create an ecosystem that can be sustainable in supporting the needs of our students, and we will continue to add more layers to ensure the continuity of care and support. Having the right tools to get to that goal will be fundamental to the success of executing effective wraparound support systems.

What percentage of Tier 3 students moved from Tier 3 in fall 2021 to Tier 2 in spring 2022?

Because this is a new metric that we will be monitoring now, the system was not set up to report this specific measure on prior academic years.

Why are these Constraint Progress Measures (CPMs) ending in June 2024? While CPMs can have a one- to five- year deadline, the constraint is not timebound and therefore these CPMs can end in 2024, although they are not required to do so. There is no requirement that the deadline for constraints is the same as for goals.

The constraints' end date can certainly be extended to a date the Board considers most appropriate to measure the progress of this work. As the work evolves, we will monitor, review, and adjust where needed. Based on conversations during the progress measure development, we want to ensure that the progress measures are still driving adult behavior change in June 2024 when we meet the goals of our next steps.

For revised 2.1, this seems like an impactful measure that not only will promote better outcomes for students who are chronically absent because they can't learn if they aren't in school but has the additional benefit of increasing ADA. For this Constraint Progress Measure (CPM), why was this target chosen and why does the superintendent believe we only need to monitor this CPM for one year?

School-based Wraparound systems have the potential to increase student attendance by addressing the non-instructional barriers that may prevent students from attending school regularly. By providing a range of services and support to address these barriers, effective wraparound systems can create a more positive and supportive learning environment for students and positive connections with caring adults, which increases students' sense of belonging and engagement in schools, which in turn can lead to better attendance. We also recognize that increasing student attendance is a complex issue, and wraparound systems alone may not be able to solve all the factors that affect attendance. However, when implemented effectively and with adequate resources, wraparound systems can be an effective strategy for addressing some of the non-instructional barriers to attendance and contribute to improving student attendance.

The current goals and constraints progress measures all are set to expire by 2024; this expiration date is

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consistent with the remainder of the board timelines. The superintendent believes that our students, who often face a myriad of socioemotional challenges, require an intentional approach to support some of the most immediate identified needs. Year one data will provide a baseline toward continuous progress monitoring and, if/when needed, necessary adjustments can be made.

For revised CPM 2.2, as proposed, for how many of the remaining campuses over the two hundred target does the data demonstrate that there is a need for a basic needs resource space?

Consistent with what best practices and research suggest, having an effective wraparound system in a school setting should include the ability to meet the basic needs as promptly as possible. Considering we have 250 Title I campuses, by targeting two hundred campuses we ensure that at least 80% of these campuses are positioned to meet identified basic needs of our students.

For revised 2.3, is seventy the maximum number needed?

Seventy would be the minimum needed, considering the demand for mental health services continues the trends from the last 2.5 years.

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
			CTE Options on Home Campus	,		
			CTE Options on Home Campus			
	Architecture and Construction	Carpentry	Construction Technology I (2)	NCCER Core Level I	YES	
			Construction Technology II (2)*			
			Principles of Business, Finance and Marketing (1)			
			Business Information Management I (1)			
	Business, Marketing, and Finance	Business Management	Business Information Management II (1)	MOS Word, Google Analytics Individual Qualification	YES*, NO	
			Business Management (1)*			
			Principles of Maritime Science (1)^			
			Management of Transportation Systems (1)			
		Distribution and Logistics	Distribution and Logistics (1) *	MSSC Certified Logistics Technician (attempted)	YES	
			Practicum in Distribution and Logistics (2)*			
	Transportation, Distribution and Logistics		Principles of Maritime Science (1)			
			Maritime Science I (1)^			
		Maritime Science	Maritime Science II (1)^	MSSC Certified Logistics Technician (attempted)	OSHA 30 Hour General*	
			Practicum in Distribution and Logistics (2)*			
			Principles of Information Technology (1)			
ALICTIN			Computer Maintenance (1)		CompTIA A+/Network+/Server+, Cisco CCNA *(200-301),	(201 1 1)
AUSTIN		Networking Systems	Networking (1)*	MTA Neworking Fundamentals	Cisco 100-490 RSTECH, NOCTI Computer Networking Fundamentals - Job Ready	(DSA needed)
			Practicum in Information Technology (2)*		Fundamentals - Job Ready	
	Information Technology		Principles of Information Technology (1)			
			Project Based Research (1)*	NONE	Orcale Certified Associate Java SE 8 Programmer, NOCTI Web	(201 1 1)
		Web Development	Web Design (1)*	NONE	Design - Job Ready	(DSA needed)
			Web Game Development (1) *OR Practicum in Information Technology (2)*			
			Principles of Manufacturing (1)			
			Introduction to Welding (1)	Noore of the Noore William	VEC VEC	
	Manufacturing	Welding	Welding I (2)	NCCER Core Level I, NCCER Welding Level I	YES, YES	
			Welding II (2)*			
			Principles of Applied Engineering (1)			
			Engineering Design and Presentation I (1)*		Autodesk Associate (Certified User) Inventor for Mechanical	
	STEM	Engineering	Engineering Design and Problem Solving(1)*	AutoDesk Certified Professional or User AutoCAD	Design, Certified SOLIDWORKS Associate*	
			Engineering Design and Presentation II (2)*			
			Principles of Education and Training (1)			
			Human Growth and Development (1)			
	Education and Training	Teaching and Training	Instructional Practices (2)*	Educational Aide I	YES	
			Practicum in Education and Training (2)*			
			• • •			
			Principles of Arts, A/V Technology and Communications (1)			
		and Communication Graphic Design and Multimedia Arts	Graphic Design and Illustration I (1) OR Digital Media (1)	Adobe Certified Associate Photoshop	YES	
	Arts, Audio/Visual Technology, and Communication		Graphic Design and Illus. II (1)* OR Digital Design and Media Prod. (1)	Adobe Certified Associate Photoshop		
			Practicum in Entrepreneurship (2)*^			
			Principles of Business, Marketing, and Finance (1)			
		Business Management	Business Law (1)	Microsoft Office Specialist Word, Entrepreneurship and Small Business	YES*, YES	
			Global Business (.5)* AND Human Resources Management (.5)*			
			Statistics and Business Decision Making (1)*			
	Business, Marketing, and Finance		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)*			
			Principles of Distribution and Logistics (1)			(DSA needed CLT)
	Transportation, Distribution, and Logistics	Distribution and Logistics	Occupational Safety and Environmental Technology (1)^		Certified Logistics Technician, OSHA 30 General*	
			Raster Based Geographic Information Systems (1)^			
			Distribution and Logistics (1)*			
DELL'ANDE			Principles of Agriculture, Food, and Natural Resources (1)		Cartified Veteriors Assistant 1 15 51	
BELLAIRE		Animal Science	Small Animal Management (.5) AND Equine Science (.5)		Certified Veterinary Assistant Level 1, Elanco Fundamentals	
			Livestock Production (1)*		of Animal Science, Licensed Veterinary Technician	
	Agriculture, Food, and Natural Resources		Advanced Animal Science (1)* OR Veterinary Medical Applications (1)*			
			Principles of Agriculture, Food, and Natural Resources (1)			
		Plant Science	Floral Design (1)*		TSFA Level 1 Floral Certification	
			Advanced Floral Design (1)*			
			Advanced Plant and Soil Science (1)*			
			Computer Science I PAP (1)		C++ Certified Associate Programmer, CompTIA Linux+, Oracle	
		Programming and Software Development (1)	AP Computer Science Principles (1)		Certified Associate Java SE 8 Programmer, Oracle Database	(DSA needed)
			AP Computer Science A (2)*		SQL Certified Associate	
	STEM		Computer Science III (1)*			
			Fundamentals of Computer Science (1)		Apple App Development with Swift, Oracle Certified	
		Programming and Software Development (2)	Computer Science PAP (1)		Associate Java SE 8 Programmer, Oracle Database SQL	(DSA needed)
			Mobile Application Development (1)		Certified Associate	
			Computer Science II PAP (1)*			
			Principles of Human Services (1)			
	Human Services	Family and Community Services	Professional Communications (.5) AND Interpersonal Studies (.5)		Child Development Associate	
			Lifetime Nutrition and Wellness (1)			
			Counseling and Mental Health (1)*			
			Delevision of Assistation Fo. 1. 121 1 12 (4)			
			Principles of Agriculture, Food and Natural Resources (1)			

	Agriculture, Food and Natural Resources	Environmental and Natural Resources	Wildlife, Fisheries, and Ecology Management (1) Forestry and Woodland Ecosystems (1)		Water Operators - Class D, Natural Resources Systems (NOCTI)	(Cold Start()
		Graphic Design and Multimedia Arts	Range Ecology and Management (1)* Principles of Arts, A/V Technology and Communications (1) Graphic Design and Illustration I w/Lab (2) Graphic Design and Illustration II (1)*	Adobe Certified Illustrator, Adobe Certified Photoshop	YES, YES [Adobe Certified Professional in Visual Design Using Illustrator/Photoshop]	
	Arts, Audio/Visual Technology, and Communication	Digital Communications	Practicum in Graphic Design and Illustration (2)* Principles of Arts, A/V Technology and Communications (1) A/V Production I (1)	Adobe Certified Associate Premiere Pro	YES [Adobe Certified Professional in Digital Video Using Adobe Premiere Pro]. Adobe Certified Professional in Visual	
			A/V Production II (1)* Practicum in A/V Production (1)* OR Digital Audio Technology I (1)* Principles of Agriculture, Food and Natural Resources (1) Livestock Production (1)*		Design Using Photoshop,	
	Agriculture, Food and Natural Resources	Animal Science	Veterinary Medical Applications (1)* Advanced Animal Science (1)* Principles of Agriculture, Food and Natural Resources (1)	Certified Veterinary Assistant Level I	YES, Elanco Veterinary Technician	
CHAVEZ		Plant Science	Greenhouse Operations (1) Floral Design (1)* Advanced Plant and Soil Science (1)*	Texas State Floral Association Floral Skills Knowledge Based	YES [Texas State Floral Association Floral Skills Knowledge Based, TSFA Level 1 Floral Certification]	
CHAVEZ		Engineering	Principles of Applied Engineering (1) Engineering Design and Presentation I (1) Digital Electronics (1)* Engineering Design and Problem Solving (1)*		Autodesk Associate (Certified User) AutoCAD/+++, Autodesk Certified Professional in AutoCAD/+++	
	STEM	Renewable Energy	Principles of Applied Engineering (1) AC/DC Electronics (1) Solid State Electronics (1)*		NCCER Electronic System Technician Level I, OSHA 30 General*	
		Emergency Services (1)	Digital Electronics (1)* Principles of Law, Public Safety, Corrections, and Security (1) Disaster Response (1)^ Emergency Medical Technician - Basic (2)*^		OSHA Harzardous Waste Operations and Emergency Response*	
	Law and Public Service	Emergency Services (2)	Project Based Research (1)* Principles of Law, Public Safety, Corrections, and Security (1) Disaster Response (1)* Firefighter (12)*		OSHA Harzardous Waste Operations and Emergency Response*	
	Habb Siran	Habbara Waranati	Firefighter II (3)* Principles of Health Science (1) Medical Microbiology (1)*	Pharmacy Technician	YES (Patient Care Technician)	
	Health Science	Healthcare Therapeutic	Medical Terminology (1) Pathophysiology (2)* OR Practicum in Health Science (2)*	rianiacy recinician	res (Patient Care Fechinician)	
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	
DEBAKEY		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	
EAST EARLY	STEM	Renewable Energy	Principles of Applied Engineering (1) AC/DC Electronics (1) Project-Based Research (1)*		NCCER Electronic System Technician Level I	
			Scientific Research and Design (1)* OR Solid State Electronics (1)*			
EASTWOOD	STEM	Engineering	Principles of Applied Engineering (1) Engineering Design and Presentation (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/+++	
EASIWOOD	STERVI	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)
ENGERGIZED 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	
	Manufacturing	Advanced Manufacturing and Machinery Mechanics	Principles of Manufacturing (1) Robotics I (1) OR Manfacturing Engineering Technology I (1) Robotics II (1)* OR Manufacturing Engineering Technology II (1)*	Certified SOLIDWORKS Associate	NO, OSHA 30 General*	
ENERGY INSTITUTE	STEM	Engineering	Practicum in Manufacturing (2)* Introduction to Engineering Design (1) Engineering Science (1)* Engineering Science (1)* Engineering Design and Problem Sobing (3)* OR Practicum in STEM (2)*	OSHA 30 General	Autodesk Associate (Certified User) AutoCAD/+++, Autodesk Certified Professional in AutoCAD/+++, Certified SOLIDWORKS Associate*	
			Englishering Design and Froblem Solving (1) On Fracticum in STEM (2)			

			Principles of Agriculture, Food and Natural Resources (1)			
			Wildlife, Fisheries, and Ecology Management (1)			
	Agriculture, Food, and Natural Resources	Environmental and Natural Resources	Forestry and Woodland Ecosystems (1)	OSHA 30 General	Water Operators - Class D, Natural Resources Systems	(Cold Start)
			Scientific Research and Design (1)*	1		
FURR			Principles of Arts, A/V Tech. and Communications (1)			
	Arts, Audio/Vdeo Technology, and Communications	Graphic Design and Multimedia Arts	Digital Design and Media Production (1)	Adobe Certified Associate Illustrator, Adobe Certified Associate	YES, YES [Adobe Certified Professional in Visual Design Using	
	Arts, Addio/ vdeo Technology, and Communications	Graphic Design and Multimedia Arts	Digital Art and Animation (1)*	Photoshop, Adobe Certified Associate Premiere Pro	Illustrator/Photoshop]	
(Jordan Career Center)			Career Preparation I (2)*			
			Principles of Health Science (1)			
	Health Science	Healthcare Therapeutics	Medical Terminology (1)	Certified Clinical Medical Assistant	Certified Clinical Medical Assistant	
			Health Science Theory (1)*			
			Pathophysiology (1)*			
			Business Information Management I (1)			
			Mobile Application Development (1)			
	Business, Marketing, and Finance	Entrepreneurship	Project Based Research (1)*	MOS Word, MOS Excel	Entrepreneurship and Small Business	
			Practicum in Entrepreneurship (2)*∧			
			Graphic Design and Illustration I (1)			
	Arts, Audio/Visual Technology and Communications	Graphic Design and Multimedia Arts	Video Game Programming (1)^	Adobe Certified Associate Illustrator, Adobe Certified Associate	YES, YES [Adobe Certified Professional in Visual Design Using	
	Arts, Addio, visual reciniology and communications	Graphic Design and Multimedia Arts	Advanced Video Game Programming (1)*^	Photoshop, Adobe Certified Expert Illustrator	Illustrator/Photoshop]	
			Career Preparation (2)* OR Practicum in Entrepreneurship (2)*			
			Computer Science I (1)			
HAIS	HAIS	Programming and Software Development	AP Computer Science Principles (1)		Certified Entry-Level Python Programmer (PCEP)	(DSA needed)
HAIS			Mobile Application Development (1)	-		
	STEM		Career Preparation (2)* OR Practicum in Entrepreneurship (2)*^ Principles of Applied Engineering (1)			
			Principles of Applied Engineering (1) Engineering Science (1)*	1	Autodesk Associate (Certified User) AutoCAD/+++, Autodesk	
		Engineering	Engineering Design and Problem Solving (1)*		Certified Professional in AutoCAD/+++,Certified SOLIDWORKS	
			Scientific Research and Design (1)*		Associate*	
			Principles of Government and Public Administration (1)			
			Political Science I (1)			
	Law and Public Service	Government and Public Administration	Political Science II (1)*		NONE	ALTERNATE CCMR
			Planning and Governance (1)* OR			
			Practicum in Local, State and Federal Government (2)*			
			Digital Design and Media Production (1)			
			Digital Media (1)	Adobe Certified Associate Photoshop, Adobe Certified Expert	YES, YES [Adobe Certified Professional in Visual Design Using	
		Graphic Design and Multimedia Arts	Graphic Design and Illustration I (1)	Photoshop	Illustrator/Photoshop]	
			Graphic Design and Illustration II (1)*	· ·		
	Arts, Audio/Visual Technology and Communications		Principles of Arts, A/V Technologies and Communications (1)		YES [Adobe Certified Professional in Digital Video Using Adobe Premiere Pro], Adobe Certified Professional in Visual Design Using Photoshop	
		Digital Communications	Audio/Video Production I (1)	Adobe Certified Associate Premiere Pro, Adobe Certified Expert		
			Audio/Video Production II w/Lab (2) *	Premiere Pro		
			Digital Audio Technology I (1)			
			Principles of Business and Marketing Finance (1)	Intuit QuickBooks Certified User		
		Accounting and Financial Services	Accounting I (1)		YES	
			Accounting 2 (1) * Financial Mathematics (1) *	-		
	Business, Marketing, and Finance		Principles of Business and Marketing Finance (1)			
			Business Information Management I (1)			
		Business Management	Business Information Management II (1)	MOS Word	YES*, MOS Word Expert	
HEIGHTS			Business Management (1)*			
			Energy and Power of Transportation Systems (1) *			
(Jordan Career Center)			Automotive Basics (1)			
(Fordam cureer center)	Transportation, Distribution, and Logistics	Automotive	Automotive Technology I (2) *	ASE Brakes Entry Level, ASE Refrigerant Recovery and Recycling	YES	
			Automotive Technology II (2)* OR			
			Practicum in Transportation Systems (2)* Web Game Development (1) *			
			Web Game Development (1) * Web Design (1) *	1		
	Information Technology	Web Development	Independent Study In Technology Applications (1) *		NOCTI Web Design - Job Ready	(Cold Start)
			Project Based Research (1) *			
			Principles of Applied Engineering (1)			
	Manufastralia	Advanced Manufacturing and Manufacturing	Engineering Design and Presentation I (1) *	OSHA 30 General	YES*	
	Manufacturing	Advanced Manufacturing and Machinery Mechanics	Robotics I (1)	OSHA SU General	155*	
			Robotics II (1) *			
			Principles of Health Science (1)			
	Health Science	Healthcare Diagnostics	Health Science Theory (1) *	Certified EKG Technician, Patient Care Technician	YES	
			Anatomy and Physiology (1) *	,		
			Practicum in Health Science (2) *			
			Foundations of Cybersecurity (1)			
			Foundations of Cybersecurity (1) Internetworking Technologies (1)^	1	Comp TIA A+/Network+/Security+, NOCTI Cybersecurity	
	STEM	Cybersecurity	TBD		Fundamentals	(DSA needed)
			TBD			
			Principles of Government and Public Administration (1)			
		Government and Public Administration	Political Science I (1)	MOS Word	NONE	ALTERNATE CCMR
		Government and Public Administration	Political Science II (1)*	IVIOS WORD	NUNE	ALTERNATE CCMR
			Revenue, Tax, and Regulation (1) *			
				•		

			Principles of Law, Public Safety, Corrections and Security (1)			
HSLJ		Emergency Services	Law Enforcement I (1)	IAED Emergency Telecommunicator	YES	
ПЗЫ		Emergency services	National Security (1)*	IAED Emergency relecommunicator	11.5	
	Law and Public Service		Practicum in Law, Public Safety, Corrections, and Security (2)*			
			Principles of Law, Public Safety, Corrections and Security (1)			
		Law Enforcement	Law Enforcement I (1)	Non-Commissioned Security Officer Level II	YES	
			Law Enforcement II (1)* Forensic Science (1)			
			Principles of Law, Public Safety, Corrections and Security (1)			
			Political Science I (1) OR Business Law (1)			
		Legal Studies	Political Science II (1) * OR Political Science I (1)	MOS Excel	NONE	ALTERNATE CO
			Court Systems and Practices (1)			
			Principles of Arts A/V Technology and Communication (1) Digital Communications in the 21st Century (1)		Adobe Certified Professional in Digital Video Using Adobe	
HSPVA	Arts, Audio/Visual Technology and Communications	Digital Communications	Audio/Video Production I (1)		Premiere Pro], Adobe Certified Professional in Visual Design	
			Audio/Video Production II (1)*		Using Photoshop	
			Principles of Construction (1)			
	Architecture and Construction	Plumbing and Pipefitting	Plumbing Technology I (1)	NCCER Core Level I	NO, NCCER Pipefitting Level I/Plumbing Level I, OSHA 30	
			Plumbing Technology II (2)*		Hour General OR Construction*	
H			Practicum in Construction Technology (2)*			
			Business Information Management I (1) Business Information Management II w/Lab (2)			
	Business, Marketing, and Finance	Business Management	Business Management *(1) AND Human Resources Management (0.5)* AND Global	MOS Word, MOS Excel	YES* [MOS Word Expert, MOS Excel Expert]	
		ousiness management	Business* (0.5)			
			Practicum in Business Management (2)*			
			Principles of Arts, A/V Technology, and Communications (1)			
		Graphic Design and Multimedia Arts	Graphic Design and Illustration I (1)	Adobe Certified Associate Photoshop	YES [Adobe Certified Professional in Visual Design Using	
	Arts, A/V, Technology and Communicatations		Graphic Design and Illustration II w/Lab (2)*	· ·	Photoshop]	
		-	Practicum in Entrepreneurship (2)*^ Principles of Arts, A/V Technology, and Communications (1)			
			Audio/Video Production I (1)		Adobe Certified Professional in Digital Video Using Adobe	
		Digital Communications	Audio/Video Production II w/Lab (2)*		Premiere Pro], Adobe Certified Professional in Visual Design	
			Practicum in Entrepreneurship (2)*^		Using Photoshop	
			Principles of Transportation Systems (1)			
	Transportation, Distribution and Logistics	Automotive	Automotive Basics (1)	ASE Maintenance and Light Repair Entry Level, ASE Refrigerant	YES	
HOUSTON MSTC	Transportation, Distribution and Logistics	Automotive	Automotive Technology I (2)*	Recovery and Recycling	TES	
			Automotive Technology II (2)* OR Practicum in Transport. Systems (2)*			
(Jordan Career Center)		Networking Systems	Principles of Information Technology (1)	MTA Windows Operating System Fundamentals		
(sordan career center)	Information Technology		Computer Maintenance w/ Lab (2)		CompTIA A+/Network+/Server+, Cisco CCNA *(200-301), Cisco 100-490 RSTECH	(DSA need
			Networking w/ Lab (2)*			
-			Computer Technician Practicum (2)* Robotics I (1)			
			Robotics II (2)*		FAA Part 107 Remote Drone Pilot	
	Regional Programs	Drone (Unammed Flight)	Introduction to Unmanned Aerial Vehicles (1)^			
			Practicum in Manufacturing (2) *			
			Fundamentals of Computer Science (1)			
	STEM	Programming and Software Development	Computer Science I (1)		Certified Entry-Level Python Programmer (PCEP)	(DSA need
	JILW.	Programming and Software Development	Computer Sciece II (1)*		certified Entry-Level Fython Frogrammer (FCEF)	(DOA NECO
			Computer Science III (1)*			
			Principles of Health Science (1)			
	Health Science	Healthcare Diagnostics	Medical Terminology (1)	Certified Clinical Medical Assistant	YES	
			Health Science Theory* (1) AND Anatomy and Physiology* (1) Practicum in Health Science (2)*			
			Introduction to Cosmetology (1)			
			Cosmetology (1)*			
	Human Services	Cosmetology	Nail Care, Enhancements and Spa Services (2)^	Cosmetology Operator License	YES	
			Cosmetology II (2)*			
			Principles of Architecture (1)			
		Architectural Design	Architectural Design I (1)	Autodesk Certified Professional or User AutoCAD	YES, Autodesk Associate (Certified User) AutoCAD, Autodesk Certified Professional in AutoCAD for Design and Drafting	
			Architectural Design II (2)* Practicum in Architectural Design (2)*		Certified Professional III AutoCAD for Design and Drafting	
	Architecture and Construction		Practicum in Architectural Design (2)* Principles of Construction (1)			
			Heating, Ventilation, and Air Conditioning and Refr. Tech 1 (1)		YES* [OSHA 30 Hour General/Construction*, NCCER Core	
JONES		HVAC and Sheet Metal (PTECH 22/23)	Heating, Ventilation, and Air Conditioning and Refr. Tech II (2)	OSHA 30 Hour General	Level I/HVAC Level I, Refrigerant Handling EPA 608]	
			Practicum in Construction Technology (2)*			
			Principles of Health Science (1)			
			Health Science Theory (1)*	Phlebotomy Technician, Certified EKG Technician, Certified Clinical		
	Health Science	Healthcare Diagnostics	Anatomy and Physiology (1)*	Medical Assistant	YES	
			Practicum in Health Science (2)* OR			
			Medical Microbiology (1)*			
			CTE Options on Home Campus			
			CTE Options on Home Campus CTE Options on Home Campus	Neese o	Nes	
	Architecture and Construction	Construction Management and Inspection		NCCER Core Level I	YES	

			CTE Options on Home Campus			
			CTE Options on Home Campus			
	Business, Marketing, and Finance	Marketing and Sales	CTE Options on Home Campus	Entrepreneurship and Small Business	YES	
	business, ividiketing, and Finance	ivial kering and sales	Retail Management (1)* AND	encrepreneursing and small business	162	
			Entrepreneurship (1)			
			Advanced Marketing (2)* CTE Options on Home Campus			
	Hospitality and Tourism	Culinary Arts	CTE Options on Home Campus	ServSafe Manager	YES	
	, , , , , , , , ,		Culinary Arts (2)		·	
			Advanced Culinary Arts (2)*			
			CTE Options on Home Campus	100 0 10 10 10 10 10		
	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		
	Transportation, Distribution and Logistics	Automotive	Automotive Technology I DCH (2)*	college)	152	
			Automotive Technology II DCH (2)*	- conege)		
			CTE Options on Home Campus			
			CTE Options on Home Campus			
		Architectural Design	Principles of Architectural Design (1) AND Architectural Design I (1)		Autodesk Associate (Certified User) AutoCAD	
				-		
	Architecture and Construction		Architectural Design II (2)* CTE Options on Home Campus			
		Electrical	CTE Options on Home Campus		NCCER Core Level I, NCCER Electrical Level I, OSHA 30 Hour	
			Principles of Construction (1) AND Electrical Technology I (1)		General*	
			Electrical Technology II (2)*			
Barbara Jordan Career			CTE Options on Home Campus			
Barbara Jordan Career			CTE Options on Home Campus			
Center	Energy	Refining & Chemical Processes	Principles of Applied Engineering (1) AND Applied Mathematics for Technical		NCCER Instrumentation Level I	
			Professionals (1)* Introduction to Process Tecnnology (1) AND Petrochemical Safety, Health, and			
			Environment (1)*			
			CTE Options on Home Campus			
	Manufacturing	Welding	CTE Options on Home Campus	NCCER Welding Level I	YES [NCCER Core Level I, NCCER Welding Level I AWS Sense]	
		**Coming	Welding I (2) DCH	Treath Treath Earth	and product the control of the contr	
			Welding II (2)* DCH			
			CTE Options on Home Campus			
			CTE Options on Home Campus	1		
	Education and Training	Teaching and Training	Principles of Education and Training (1) AND Child Development (1)	Educational Aide I	YES	
			Instructional Practices (2)*			
			CTE Options on Home Campus			
			CTE Options on Home Campus			
	Human Services	Cosmetology	Cosmetology I (2)* AND	Cosmetology Operator's License	YES	
		cosmictorogy	Nail Care, Enhancements and Spa Services (1)^	cosmetology operator s accesse		
			Cosmetology II (2)* AND Principles of Cosmetology Design and Color Theory (1)	1		
			CTE Options on Home Campus			
			CTE Options on Home Campus CTE Options on Home Campus	•		
			CTE Options on Home Campus			
	Law and Public Service	Government and Public Administration	Political Science I (1) AND		NONE	
			Planning and Governance (1)* Political Science II (1)* AND			
			Public Management and Administration (1)*			
			CTE Options on Home Campus		YES	
			CTE Options on Home Campus			
	Health Science	Healthcare Diagnostics	Principles of Health Science (1) AND	Certified Clinical Medical Assistant		
			Health Science Theory (1)*			
			Practicum in Health Science (2)*	1		
			(-)			
			Principles of Arts, A/V Technology and Communications (1)			
			Graphic Design and Illustration I (1)		Adobe Certified Professional in Visual Design Using	
		Graphic Design and Multimedia Arts			Adobe Certified Professional in Visual Design Using Photoshop	
			Animation I (1)		riiotosiiop	
	Arts, Audio/Visual Technology and Communications		Animation II (1)*			
			Principles of Arts, A/V Technology and Communications (1)			
KASHMERE		Graphic Design and Multimedia Arts (Futures)	Graphic Design and Illustration DCH (1)		Adobe Certified Professional in Visual Design Using	
10.0711112112		,	Animation I DCH (1)		Photoshop	
			Practicum in Graphic Design and Illustration DCH (2)*			
			Business Information Management I (1)			
	Business, Marketing, and Finance	Entrepreneurship	Entrepreneurship I (1)	MOS Word	Entrepreneurship and Small Business	
	business, iviarketing, and Finance	Entrepreneursnip	Entrepreneurship II (1)^	IVIUS WOLD	Entrepreneurship and Small Business	
			Practicum In Entrepreneurship (2)*^			
			, , , , ,			
			Principles of Arts, A/V Technology, and Communications (1)			
			Graphic Design and Illustration I (1)		YES [Adobe Certified Professional in Visual Design Using	
		Graphic Design and Multimedia Arts	Graphic Design and Illustration II (1)*	Adobe Certified Associate Photoshop	Photoshop]	
			Commercial Photography I (1)	1	. посозпорј	
	Arts, Audio/Visual Technology, and Communication					
	Arts, Audio/Visual Technology, and Communication		Principles of Arts, A/V Technology, and Communications (1)		YES [Adobe Certified Professional in Digital Video Using	
			Audio/Video Production I (1)	Adobe Certified Associate Premiere Pro	Adobe Premiere Pro], Adobe Certified Professional in Visual	
		Digital Communications		Adobe Certified Associate Premiere Pro	Adobe Premiere Pro], Adobe Certified Professional in Visual Design Using Photoshop	
		Digital Communications	Audio/Video Production II (1)*			
		Digital Communications	Digital Audio Technology I (1)		Design Using Photoshop	
		Digital Communications	Digital Audio Technology (1) Principles of Business, Marketing and Finance (1)		Design Using Photoshop	
		•	Digital Audio Technology I (1)	MOS Evrel Evnert Quiebback Codified Use		
		Digital Communications Accounting and Financial Services	Digital Audio Technology (1) Principles of Business, Marketing and Finance (1)	MOS Excel Expert, Quickbooks Certified User	Design Using Photoshop YES	
		•	Digital Audio Technology I [1] Principles of Business, Marketing and Finance (1) Money Matters (1) Accounting I [1]	MOS Excel Expert, Quickbooks Certified User		
	Business, Marketing, and Finance	•	Digital Audio Technology [1] Principles of Business, Marketing and Finance (1) Money Matters [1] Accounting I [1] Accounting II [2]*	MOS Excel Expert, Quickbooks Certified User		
	Business, Marketing, and Finance	•	Digital Audio Technology I (1) Principles of Business, Marketing and Finance (1) Money Matters (1) Accounting I (1) Accounting I (2)* Principles of Business, Marketing and Finance (1)			
	Business, Marketing, and Finance	•	Digital Audio Technology [1] Principles of Business, Marketing and Finance (1) Money Matters [1] Accounting I [1] Accounting II [2]*	MOS Excel Expert, Quickbooks Certified User Entrepreneurship and Small Business. MOS Word. MOS Expert		

		Business Management	Business Management (1)*	Word	YES [MOS Word Expert]	
			Practicum of Business Management (2)* OR			
			Global Business (0.5) * AND Human Resources Management (0.5)*			
			Principles of Hospitality and Tourism (1)			
			Introduction to Culinary Arts (1)		ServSafe Manager	
		Culinary Arts	Culinary Arts (2)		Servsare Manager	
			Food Science (1) * OR Practicum in Culinary Arts (2)*			
	Hospitality and Tourism		Principles of Hospitality and Tourism (1)			
		Lodging and Resort Management	Hotel Management (1)		Certified Hospitality and Tourism Professional	
			Travel and Tourism (1)			
			Hospitality Services (2)* OR Practicum in Hospitality Services (2)*			
LAMAR			Principles of Agriculture, Food and Natural Resources (1)			
LAWAK			Livestock Production (1)*			
		Animal Science	Veterinary Medical Applications (1)* OR	Certified Veterinary Assistant Level 1	YES	
		Annua Science	Equine Science (0.5) AND Small Animal Management (0.5)	certified veterinary rissistant level 2	123	
			Advanced Animal Science (1)* OR Practicum in Agriculture, Food, and Natural			
	Agriculture, Food and Natural Resources		Resources (2)*			
	Agriculture, 1000 una riotarar riesources		Principles of Agriculture, Food and Natural Resources (1)			
			Floral Design (1)*			
		Plant Science	Landscape Design and Management (0.5) AND	Texas State Floral Association Floral Skills Knowledge Based	YES [TSFA Level 1 Floral Certification]	
		Fidit Science	Turf Grass Management (0.5)	Texas state Horal Association Floral Skills knowledge based	TES [ISIA Level 1 Holdi Certification]	
			Horticultural Science (1) OR Practicum in Agriculture, Food, and Natural Resources (2)*			
			Principles of Applied Engineering (1)			
			Engineering Design and Presentation I (1)*		WE-	
		Engineering	Engineering Science (1)*	Autodesk Certified Professional or User AutoCAD	YES	
			Engineering Design and Presentation II (2)* OR Practicum in STEM (2)*			
	STEM					
			AP Computer Science Principles (1)			
		Programming and Software Development	Computer Science I PREIB (1)		Certified Entry-Level Python Programmer (PCEP)	(DSA needed)
			IB Computer Science Standard Level, Year 1 (1)*			
			IB Computer Science Standard Level, Year 2 (1)*			
			Principles of Exercise Science and Wellness (1) ^A			
	Health Science	Exercise Science and Wellness	Kinesiology I (1)^		Certified Personal Trainer, Pre-Professional Certification in	(Cold Start)
	Health Science	Exercise Science and Wellness	Kinesiology II (1)^		Nutrition, Food, Wellness	(Cold Start)
			Practicum in Entrepreneurship (2)*^			
			Principles of Human Services (1)			
	Human Services	Family and Community Services	Human Growth and Development (1)	OSHA 30 General	Child Development Associate	
		, , , , , , , , , , , , , , , , , , ,	Child Development (1)		· ·	
			Family and Community Services (1)* OR Practicum in Human Services (2)*			
			Principles of Arts, A/V Technology, and Communications (1)		Adaba Castified Bastanalas Casabia Basina and	
LIBERTY	Arts, Audio/Video Technology, and Communications	Graphic Design and Multimedia Arts	Graphic Design and Illustration I (1)		Adobe Certified Professional in Graphic Design and Illustration Using Adobe Illustrator	
					mustration using Adobe mustrator	
LIBERTT			Graphic Design and Illustration II (1)*			
EIDEN I			Graphic Design and Illustration II (1)*		-	
LIDENT!						
			Principles of Biosciences (1)			
LONG ACADEMY	STEM	Biomedical Science	Principles of Biosciences (1) Biotechnology I (1)		Medical Laboratory Assistant, Medical Laboratory Technician	(Cold Start)
	STEM	Biomedical Science	Principles of Biosciences (1) Biotechnology I (1) Pathophysiology (1)*		Medical Laboratory Assistant, Medical Laboratory Technician	(Cold Start)
	STEM	Biomedical Science	Principles of Biosciences (1) Biotechnology I (1)		Medical Laboratory Assistant, Medical Laboratory Technician	(Cold Start)
	STEM	Biomedical Science	Principles of Biosciences (1) Biotechnology (1) Pathophysiology (1)* NONE		Medical Laboratory Assistant, Medical Laboratory Technician	(Cold Start)
	STEM	Biomedical Science	Principles of Biosciences (1) Biotechnology I (1) Pathophysiology (1)* NONE Principles of Information Technology (1)			(Cold Start)
			Principles of Biosciences (1) Biotechnology (1) Pathophysiology (1)* NONE		CompTIA A+/Network+/Server+, Cisco CCNA *(200-301),	
	STEM Information Technology	Biomedical Science Networking Systems	Principles of Biosciences (1) Biotechnology I (1) Pathophysiology (1)* NONE Principles of Information Technology (1)			(Cold Start)
			Principles of Biosciences (1) Biotechnology I (1) Pathophysiology (1)* NONE Principles of Information Technology (1) Internetworking Technologies I (1)^		CompTIA A+/Network+/Server+, Cisco CCNA *(200-301),	
			Principles of Biosciences (1) Biotechnology I (1) Pathophysiology (1)* NONE 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),	
	Information Technology	Networking Systems	Principles of Biosciences (1) Biotechnology [1] Pathophysiology (1)* NONE Principles of Information Technology (1) Internetworking Technologies I (1)^ Internetworking Technologies II (1) *^ Career Preparation I (2)* Principles of Transportation Systems (1)		CompTIA A+/Network+/Server+, Cisco CCNA *(200-301), Cisco 100-490 RSTECH	
			Principles of Biosciences (1) Biotechnology (1) Pathophysiology (1)* NONE Principles of Information Technology (1) Internetworking Technologies I (1)^* Internetworking Technologies II (1)* Career Preparation I (2)* Principles of Transportation Systems (1) Energy and Power of Transportation Systems (1)*		CompTIA A+/Network+/Server+, Cisco CCNA *(200-301), Cisco 100-490 RSTECH ASE Maintenance and Light Repair Entry Level, ASE	
	Information Technology	Networking Systems	Principles of Biosciences (1) Biotechnology (1) Pathophysiology (1)* NONE Principles of Information Technology (1) Internetworking Technologies (1)^ Internetworking Technologies II (1)* Career Preparation (2)* Principles of Transportation Systems (1) Energy and Power of Transportation Systems (1)* Automotive Technology: Maintenance and Light Repair (2)*		CompTIA A+/Network+/Server+, Cisco CCNA *(200-301), Cisco 100-490 RSTECH	
	Information Technology	Networking Systems	Principles of Biosciences (1) Biotechnology (1) Pathophysiology (1)* NONE Principles of Information Technology (1) Internetworking Technologies I (1)^ Internetworking Technologies II (1) *^ Career Preparation I (2)* Principles of Transportation Systems (1) Energy and Power of Transportation Systems (1)* Automotive Technology I: Maintenance and Light Repair (2)* Automotive Technology I: Monomitye Service (2)*		CompTIA A+/Network+/Server+, Cisco CCNA *(200-301), Cisco 100-490 RSTECH ASE Maintenance and Light Repair Entry Level, ASE	
	Information Technology	Networking Systems	Principles of Biosciences (1) Biotechnology (1) Pathophysiology (1)* NONE Principles of Information Technology (1) Internetworking Technologies I (1)^* Internetworking Technologies II (1)* Career Preparation I (2)* 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)* Principles of Agriculture, Food and Natural Resources (1)		CompTIA A+/Network+/Server+, Cisco CCNA *(200-301), Cisco 100-490 RSTECH ASE Maintenance and Light Repair Entry Level, ASE Refrigerant Recovery and Recycling	
	Information Technology	Networking Systems	Principles of Biosciences (1) Biotechnology (1) Pathophysiology (1)* NONE Principles of Information Technology (1) Internetworking Technologies I (1)^ Internetworking Technologies I (1) * Career Preparation I (2)* Principles of Transportation Systems (1) Energy and Power of Transportation Systems (1)* Automotive Technology I: Maintenace and Light Repair (2)* Automotive Technology I: Automotive Service (2)* Principles of Agriculture, Pood and Natural Resources (1) Livestock Production (1)*		CompTIA A+/Network+/Server+, Cisco CCNA *(200-301), Cisco 100-490 RSTECH ASE Maintenance and Light Repair Entry Level, ASE Refrigerant Recovery and Recycling Certified Veterinary Assistant Level 1, Elanco Fundamentals	
	Information Technology Transportation, Distribution and Logistics	Networking Systems Automotive	Principles of Biosciences (1) Biotechnology (1) Pathophysiology (1)* NONE Principles of Information Technology (1) Internetworking Technologies I (1)^ Internetworking Technologies II (1) *^ Career Preparation I (2)* Principles of Transportation Systems (1) Energy and Power of Transportation Systems (1)* Automotive Technology I: Maintenance and Light Repair (2)* Automotive Technology I: Momontive Service (2)* Principles of Agriculture, Food and Natural Resources (1) Livestock Production (1)* Veterinary Medical Applications (1)*		CompTIA A+/Network+/Server+, Cisco CCNA *(200-301), Cisco 100-490 RSTECH ASE Maintenance and Light Repair Entry Level, ASE Refrigerant Recovery and Recycling	
	Information Technology Transportation, Distribution and Logistics	Networking Systems Automotive	Principles of Biosciences (1) Biotechnology (1) Pathophysiology (1)* NONE Principles of Information Technology (1) Internetworking Technologies I (1)^^ Internetworking Technologies I (1)^^ Internetworking Technologies I (1) *^^ Career Preparation I (2)* Principles of Transportation Systems (1) Energy and Power of Transportation Systems (1)* Automotive Technology I: Automotive Service (2)* Principles of Agriculture, Food and Natural Resources (1) Livestock Production (1)* Veterinary Medical Applications (1)* Advanced Animal Science (1)*		CompTIA A+/Network+/Server+, Cisco CCNA *(200-301), Cisco 100-490 RSTECH ASE Maintenance and Light Repair Entry Level, ASE Refrigerant Recovery and Recycling Certified Veterinary Assistant Level 1, Elanco Fundamentals	
	Information Technology Transportation, Distribution and Logistics	Networking Systems Automotive	Principles of Biosciences (1) Biotechnology (1) Pathophysiology (1)* NONE Principles of Information Technology (1) Internetworking Technologies I (1)^ Internetworking Technologies I (1)^ Internetworking Technologies I (1) ** Career Preparation I (2)* Principles of Transportation Systems (1) Energy and Power of Transportation Systems (1)* Automotive Technology I: Maintenace and Light Repair (2)* Automotive Technology I: Automotive Service (2)* Principles of Agriculture, Food and Natural Resources (1) Livestock Production (1)* Veterinary Medical Applications (1)* Advanced Animal Science (1)* Principles of Applied Engineering (1)		CompTIA A+/Network+/Server+, Cisco CCNA *(200-301), Cisco 100-490 RSTECH ASE Maintenance and Light Repair Entry Level, ASE Refrigerant Recovery and Recycling Certified Veterinary Assistant Level 1, Elanco Fundamentals	
	Information Technology Transportation, Distribution and Logistics	Networking Systems Automotive Animal Science	Principles of Biosciences (1) Biotechnology I (1) Pathophysiology (1)* NONE Principles of Information Technology (1) Internetworking Technologies I (1)^* Internetworking Technologies II (1)* Career Preparation I (2)* Principles of Transportation Systems (1) Energy and Power of Transportation Systems (1)* Automotive Technology I: Maintenance and Light Repair (2)* Automotive Technology I: Maintenance and Light Repair (2)* Automotive Technology I: Montomotive Service (2)* Principles of Agriculture, Food and Natural Resources (1) Livestock Production (1)* Veterinary Medical Applications (1)* Advanced Animal Science (1)* Principles of Applied Engineering (1) Robottos I (1)		CompTIA A+/Network+/Server+, Cisco CCNA *(200-301), Cisco 100-490 RSTECH ASE Maintenance and Light Repair Entry Level, ASE Refrigerant Recovery and Recycling Certified Veterinary Assistant Level 1, Elanco Fundamentals of Animal Science, Licensed Veterinary Technician	
	Information Technology Transportation, Distribution and Logistics	Networking Systems Automotive	Principles of Biosciences (1) Biotechnology I (1) Pathophysiology (1)* NONE Principles of Information Technology (1) Internetworking Technologies I (1)^* Internetworking Technologies II (1)* Career Preparation I (2)* Principles of Transportation Systems (1) Energy and Power of Transportation Systems (1)* Automotive Technology I: Maintenance and Light Repair (2)* Automotive Technology I: Maintenance and Light Repair (2)* Automotive Technology I: Montomotive Service (2)* Principles of Agriculture, Food and Natural Resources (1) Livestock Production (1)* Veterinary Medical Applications (1)* Advanced Animal Science (1)* Principles of Applied Engineering (1) Robottos I (1)		CompTIA A+/Network+/Server+, Cisco CCNA *(200-301), Cisco 100-490 RSTECH ASE Maintenance and Light Repair Entry Level, ASE Refrigerant Recovery and Recycling Certified Veterinary Assistant Level 1, Elanco Fundamentals	
LONG ACADEMY	Information Technology Transportation, Distribution and Logistics Agriculture, Food and Natural Resources	Networking Systems Automotive Animal Science	Principles of Biosciences (1) Biotechnology (1) Pathophysiology (1)* NONE Principles of Information Technology (1) Internetworking Technologies I (1)^ Internetworking Technologies I (1)^ Internetworking Technologies I (1) ** Career Preparation I (2)* Principles of Transportation Systems (1) Energy and Power of Transportation Systems (1)* Automotive Technology I: Maintenace and Light Repair (2)* Automotive Technology I: Automotive Service (2)* Principles of Agriculture, Food and Natural Resources (1) Livestock Production (1)* Veterinary Medical Applications (1)* Advanced Animal Science (1)* Principles of Applied Engineering (1)		CompTIA A+/Network+/Server+, Cisco CCNA *(200-301), Cisco 100-490 RSTECH ASE Maintenance and Light Repair Entry Level, ASE Refrigerant Recovery and Recycling Certified Veterinary Assistant Level 1, Elanco Fundamentals of Animal Science, Licensed Veterinary Technician	
	Information Technology Transportation, Distribution and Logistics	Networking Systems Automotive Animal Science	Principles of Biosciences (1) Biotechnology (1) Pathophysiology (1)* NONE Principles of Information Technology (1) Internetworking Technologies I (1)^ Internetworking Technologies II (1) *^ Career Preparation I (2)* Principles of Transportation Systems (1) Energy and Power of Transportation Systems (1)* Automotive Technology I: Maintenance and Light Repair (2)* Automotive Technology I: Automotive Service (2)* Principles of Agriculture, Food and Natural Resources (1) Livestock Production (1)* Veterinary Medical Applications (1)* Advanced Animal Science (1)* Principles of Applied Engineering (1) Robotics I (1) Engineering Design and Presentation I (1)* Robotics I (1)*		CompTIA A+/Network+/Server+, Cisco CCNA *(200-301), Cisco 100-490 RSTECH ASE Maintenance and Light Repair Entry Level, ASE Refrigerant Recovery and Recycling Certified Veterinary Assistant Level 1, Elanco Fundamentals of Animal Science, Licensed Veterinary Technician	
LONG ACADEMY	Information Technology Transportation, Distribution and Logistics Agriculture, Food and Natural Resources	Networking Systems Automotive Animal Science Advanced Manufacturing and Machinery Mechanics	Principles of Biosciences (1) Biotechnology (1) Pathophysiology (1)* NONE Principles of Information Technology (1) Internetworking Technologies I (1)^ Internetworking Technologies II (1)* Internetworking Technologies II (1)* Career Preparation I (2)* Principles of Transportation Systems (1) Energy and Power of Transportation Systems (1)* Automotive Technology I: Maintenance and Light Repair (2)* Automotive Technology I: Momontive Service (2)* Principles of Agriculture, Food and Natural Resources (1) Livestock Production (1)* Veterinary Medical Applications (1)* Advanced Animal Science (1)* Principles of Applied Engineering (1) Robotics I (1) Engineering Design and Presentation I (1)* Robotics II (1)* Introduction to Welding (1)		CompTIA A+/Network+/Server+, Cisco CCNA *(200-301), Cisco 100-490 RSTECH ASE Maintenance and Light Repair Entry Level, ASE Refrigerant Recovery and Recycling Certified Veterinary Assistant Level 1, Elanco Fundamentals of Animal Science, Licensed Veterinary Technician OSHA 30 General*	
LONG ACADEMY	Information Technology Transportation, Distribution and Logistics Agriculture, Food and Natural Resources	Networking Systems Automotive Animal Science	Principles of Biosciences (1) Biotechnology (1) Pathophysiology (1)* NONE Principles of Information Technology (1) Internetworking Technologies I (1)^ Internetworking Technologies I (1) * Career Preparation I (2)* Principles of Transportation Systems (1) Energy and Power of Transportation Systems (1)* Automotive Technology I: Maintenace and Light Repair (2)* Automotive Technology I: Automotive Service (2)* Principles of Agriculture, Pood and Natural Resources (1) Livestock Production (1)* Veterinary Medical Applications (1)* Advanced Animal Science (1)* Principles of Applied Engineering (1) Robotics I (1) Engineering Design and Presentation I (1)* Robotics II (1)* Introduction to Welding (1) Welding I (2)		CompTIA A+/Network+/Server+, Cisco CCNA *(200-301), Cisco 100-490 RSTECH ASE Maintenance and Light Repair Entry Level, ASE Refrigerant Recovery and Recycling Certified Veterinary Assistant Level 1, Elanco Fundamentals of Animal Science, Licensed Veterinary Technician	
LONG ACADEMY	Information Technology Transportation, Distribution and Logistics Agriculture, Food and Natural Resources	Networking Systems Automotive Animal Science Advanced Manufacturing and Machinery Mechanics	Principles of Biosciences (1) Biotechnology (1) Pathophysiology (1)* NONE Principles of Information Technology (1) Internetworking Technologies I (1)^ Internetworking Technologies II (1)* Career Preparation I (2)* Principles of Transportation Systems (1) Energy and Power of Transportation Systems (1)* Automotive Technology I: Maintenance and Light Repair (2)* Automotive Technology I: Momontive Service (2)* Principles of Agriculture, Food and Natural Resources (1) Livestock Production (1)* Veterinary Medical Applications (1)* Advanced Animal Science (1)* Principles of Applied Engineering (1) Robotics I (1) Engineering Design and Presentation I (1)* Robotics I (1)* Introduction to Welding (1) Welding I (2) Welding I (2)*		CompTIA A+/Network+/Server+, Cisco CCNA *(200-301), Cisco 100-490 RSTECH ASE Maintenance and Light Repair Entry Level, ASE Refrigerant Recovery and Recycling Certified Veterinary Assistant Level 1, Elanco Fundamentals of Animal Science, Licensed Veterinary Technician OSHA 30 General*	
LONG ACADEMY	Information Technology Transportation, Distribution and Logistics Agriculture, Food and Natural Resources	Networking Systems Automotive Animal Science Advanced Manufacturing and Machinery Mechanics	Principles of Biosciences (1) Biotechnology (1) Pathophysiology (1)* NONE Principles of Information Technology (1) Internetworking Technologies I (1)^* Internetworking Technologies II (1)* Principles of Transportation Systems (1) Energy and Power of Transportation Systems (1)* Automotive Technology I: Maintenance and Light Repair (2)* Automotive Technology I: Maintenance and Light Repair (2)* Automotive Technology I: Montomotive Service (2)* Principles of Agriculture, Food and Natural Resources (1) Livestock Production (1)* Veterinary Medicial Applications (1)* Advanced Animal Science (1)* Principles of Applied Engineering (1) Robottos I (1)* Robottos I (1) Introduction to Welding (1) Welding II (2) Welding II (2)* Practicum in Manufacturing (2)*		CompTIA A+/Network+/Server+, Cisco CCNA *(200-301), Cisco 100-490 RSTECH ASE Maintenance and Light Repair Entry Level, ASE Refrigerant Recovery and Recycling Certified Veterinary Assistant Level 1, Elanco Fundamentals of Animal Science, Licensed Veterinary Technician OSHA 30 General*	
LONG ACADEMY	Information Technology Transportation, Distribution and Logistics Agriculture, Food and Natural Resources	Networking Systems Automotive Animal Science Advanced Manufacturing and Machinery Mechanics	Principles of Biosciences (1) Biotechnology (1) Pathophysiology (1)* NONE Principles of Information Technology (1) Internetworking Technologies I (1)^ Internetworking Technologies II (1) * Career Preparation I (2)* Principles of Transportation Systems (1) Energy and Power of Transportation Systems (1)* Automotive Technology I: Maintenace and Light Repair (2)* Automotive Technology I: Automotive Service (2)* Principles of Agriculture, Food and Natural Resources (1) Livestock Production (1)* Veterinary Medical Applications (1)* Advanced Animal Science (1)* Principles of Applied Engineering (1) Robotics II (1)* Engineering Design and Presentation I (1)* Robotics II (1)* Introduction to Welding (1) Welding II (2)* Welding II (2)* Practicum in Manufacturing (2)* Principles of Applied Engineering (1)		CompTIA A+/Network+/Server+, Cisco CCNA *(200-301), Cisco 100-490 RSTECH ASE Maintenance and Light Repair Entry Level, ASE Refrigerant Recovery and Recycling Certified Veterinary Assistant Level 1, Elanco Fundamentals of Animal Science, Licensed Veterinary Technician OSHA 30 General* NCCER Core Level I, NCCER Welding Level I	
LONG ACADEMY	Information Technology Transportation, Distribution and Logistics Agriculture, Food and Natural Resources	Networking Systems Automotive Animal Science Advanced Manufacturing and Machinery Mechanics	Principles of Biosciences (1) Biotechnology (1) Pathophysiology (1)* NONE Principles of Information Technology (1) Internetworking Technologies II (1)* Internetworking Technologies II (1)* Career Preparation I (2)* Principles of Transportation Systems (1) Energy and Power of Transportation Systems (1)* Automotive Technology I: Maintenance and Light Repair (2)* Automotive Technology I: Momontive Service (2)* Principles of Agriculture, Food and Natural Resources (1) Livestock Production (1)* Veterinary Medical Applications (1)* Advanced Animal Science (1)* Principles of Applied Engineering (1) Robotics I (1) Engineering Design and Presentation I (1)* Robotics I (1)* Introduction to Welding (1) Welding I (2)* Practicum in Manufacturing (2)* Principles of Applied Engineering (1) Engineering Design and Manufacturing (2)* Principles of Applied Engineering (1) Engineering Design and Presentation (1)*		CompTIA A+/Network+/Server+, Cisco CCNA *(200-301), Cisco 100-490 RSTECH ASE Maintenance and Light Repair Entry Level, ASE Refrigerant Recovery and Recycling Certified Veterinary Assistant Level 1, Elanco Fundamentals of Animal Science, Licensed Veterinary Technician OSHA 30 General* NCCER Core Level I, NCCER Welding Level I	
LONG ACADEMY	Information Technology Transportation, Distribution and Logistics Agriculture, Food and Natural Resources Manufacturing	Networking Systems Automotive Animal Science Advanced Manufacturing and Machinery Mechanics Welding	Principles of Biosciences (1) Biotechnology (1) Pathophysiology (1)* NONE Principles of Information Technology (1) Internetworking Technologies I (1)^A Internetworking Technologies I (1) *A Career Preparation I (2)* Principles of Transportation Systems (1) Energy and Power of Transportation Systems (1)* Automotive Technology I: Multenance and Light Repair (2)* Automotive Technology I: Automotive Service (2)* Principles of Agriculture, Food and Natural Resources (1) Livestock Production (1)* Veterinary Medical Applications (1)* Advanced Animal Science (1)* Principles of Applied Engineering (1) Robotics I (1) Engineering Design and Presentation I (1)* Robotics II (1)* Welding I (2)* Practicum in Manufacturing (2)* Principles of Applied Engineering (1) Engineering Design and Presentation I (1)*		CompTIA A+/Network+/Server+, Cisco CCNA *(200-301), Cisco 100-490 RSTECH ASE Maintenance and Light Repair Entry Level, ASE Refrigerant Recovery and Recycling Certified Veterinary Assistant Level 1, Elanco Fundamentals of Animal Science, Licensed Veterinary Technician OSHA 30 General* NCCER Core Level I, NCCER Welding Level I	
LONG ACADEMY	Information Technology Transportation, Distribution and Logistics Agriculture, Food and Natural Resources Manufacturing	Networking Systems Automotive Animal Science Advanced Manufacturing and Machinery Mechanics Welding	Principles of Biosciences (1) Biotechnology (1) Pathophysiology (1)* NONE Principles of Information Technology (1) Internetworking Technologies I (1)^ Internetworking Technologies II (1) * Career Preparation I (2)* Principles of Transportation Systems (1) Energy and Power of Transportation Systems (1)* Automotive Technology I: Maintenance and Light Repair (2)* Automotive Technology I: Maintenance and Light Repair (2)* Automotive Technology I: Maintenance and Light Repair (2)* Principles of Agriculture, Food and Natural Resources (1) Livestock Production (1)* Veterinary Medical Applications (1)* Advanced Animal Science (1)* Principles of Applied Engineering (1) Robotics I (1) Engineering Design and Presentation I (1)* Reding I (2)* Principles of Applied Engineering (1) Engineering Design and Presentation I (1)* Engineering Design and Presentation I (2)*		CompTIA A+/Network+/Server+, Cisco CCNA *(200-301), Cisco 100-490 RSTECH ASE Maintenance and Light Repair Entry Level, ASE Refrigerant Recovery and Recycling Certified Veterinary Assistant Level 1, Elanco Fundamentals of Animal Science, Licensed Veterinary Technician OSHA 30 General* NCCER Core Level I, NCCER Welding Level I	
LONG ACADEMY	Information Technology Transportation, Distribution and Logistics Agriculture, Food and Natural Resources Manufacturing	Networking Systems Automotive Animal Science Advanced Manufacturing and Machinery Mechanics Welding	Principles of Biosciences (1) Biotechnology (1) Pathophysiology (1)* NONE Principles of Information Technology (1) Internetworking Technologies I (1)^ Internetworking Technologies II (1)* Internetworking Technologies II (1) * Career Preparation I (2)* Principles of Transportation Systems (1) Energy and Power of Transportation Systems (1)* Automotive Technology I: Maintenance and Light Repair (2)* Automotive Technology I: Momontive Service (2)* Principles of Agriculture, Food and Natural Resources (1) Livestock Production (1)* Veterinary Medical Applications (1)* Advanced Animal Science (1)* Principles of Applied Engineering (1) Robotics I (1)* Engineering Design and Presentation I (1)* Robotics II (1)* Introduction to Welding I (1) Welding II (2)* Practicum in Manufacturing (2)* Principles of Applied Engineering (1) Engineering Design and Presentation I (1)* Engineering Design and Problem Solving (1)* Principles of Health's Science (1)		CompTIA A+/Network+/Server+, Cisco CCNA *(200-301), Cisco 100-490 RSTECH ASE Maintenance and Light Repair Entry Level, ASE Refrigerant Recovery and Recycling Certified Veterinary Assistant Level 1, Elanco Fundamentals of Animal Science, Licensed Veterinary Technician OSHA 30 General* NCCER Core Level I, NCCER Welding Level I	
LONG ACADEMY	Information Technology Transportation, Distribution and Logistics Agriculture, Food and Natural Resources Manufacturing STEM	Automotive Animal Science Advanced Manufacturing and Machinery Mechanics Welding Engineering	Principles of Biosciences (1) Biotechnology (1) Pathophysiology (1)* NONE Principles of Information Technology (1) Internetworking Technologies I (1)^ Internetworking Technologies II (1) * Career Preparation I (2)* Principles of Transportation Systems (1) Energy and Power of Transportation Systems (1)* Automotive Technology I: Maintenance and Light Repair (2)* Automotive Technology I: Maintenance and Light Repair (2)* Automotive Technology I: Maintenance and Light Repair (2)* Principles of Agriculture, Food and Natural Resources (1) Livestock Production (1)* Veterinary Medical Applications (1)* Advanced Animal Science (1)* Principles of Applied Engineering (1) Robotics I (1) Engineering Design and Presentation I (1)* Reding I (2)* Principles of Applied Engineering (1) Engineering Design and Presentation I (1)* Engineering Design and Presentation I (2)*		CompTIA A+/Network+/Server+, Cisco CCNA *(200-301), Cisco 100-490 RSTECH ASE Maintenance and Light Repair Entry Level, ASE Refrigerant Recovery and Recycling Certified Veterinary Assistant Level 1, Elanco Fundamentals of Animal Science, Licensed Veterinary Technician OSHA 30 General* NCCER Core Level 1, NCCER Welding Level 1 Autodesk Associate (Certified User) Inventor for Mechanical Design, Certified SOLIDWORKS Associate*	
LONG ACADEMY	Information Technology Transportation, Distribution and Logistics Agriculture, Food and Natural Resources Manufacturing	Networking Systems Automotive Animal Science Advanced Manufacturing and Machinery Mechanics Welding	Principles of Biosciences (1) Biotechnology (1) Pathophysiology (1)* NONE Principles of Information Technology (1) Internetworking Technologies I (1)^ Internetworking Technologies I (1)^ Internetworking Technologies I (1) ** Career Preparation I (2)* Principles of Transportation Systems (1) Energy and Power of Transportation Systems (1)* Automotive Technology I: Maintenace and Light Repair (2)* Automotive Technology I: Automotive Service (2)* Principles of Agriculture, Food and Natural Resources (1) Livestock Production (1)* Veterinary Medical Applications (1)* Advanced Animal Science (1)* Principles of Applied Engineering (1) Robotics I (1) Engineering Design and Presentation I (1)* Practicum in Manufacturing (2)* Principles of Applied Engineering (1) Engineering Design and Presentation I (1)* Engineering Design and Presentation I (2)* Engineering Design and Prosentation I (3)* Engineering Design and Presentation I (3)* Engineering Design and Prosentation I (3)* Engineering Design and Prosentation I (3)* Engineering Design and Prosentation I (3)*		CompTIA A+/Network+/Server+, Cisco CCNA *(200-301), Cisco 100-490 RSTECH ASE Maintenance and Light Repair Entry Level, ASE Refrigerant Recovery and Recycling Certified Veterinary Assistant Level 1, Elanco Fundamentals of Animal Science, Licensed Veterinary Technician OSHA 30 General* NCCER Core Level I, NCCER Welding Level I	
LONG ACADEMY	Information Technology Transportation, Distribution and Logistics Agriculture, Food and Natural Resources Manufacturing STEM	Automotive Animal Science Advanced Manufacturing and Machinery Mechanics Welding Engineering	Principles of Biosciences (1) Biotechnology (1) Pathophysiology (1)* NONE Principles of Information Technology (1) Internetworking Technologies I (1)^ Internetworking Technologies II (1) * Career Preparation I (2)* Principles of Transportation Systems (1) Energy and Power of Transportation Systems (1)* Automotive Technology I: Maintenance and Light Repair (2)* Automotive Technology I: Maintenance and Light Repair (2)* Automotive Technology I: Automotive Service (2)* Principles of Agriculture, Food and Natural Resources (1) Livestock Production (1)* Veterinary Medical Applications (1)* Advanced Animal Science (1)* Principles of Applied Engineering (1) Robotics I (1) Engineering Design and Presentation I (1)* Reding I (2)* Welding I (2)* Principles of Applied Engineering (1) Engineering Design and Presentation I (1)* Engineering Design and Presentation I (2)* Principles of Health Science (1) Health Science (1) Anatomy and Physiology (1)*		CompTIA A+/Network+/Server+, Cisco CCNA *(200-301), Cisco 100-490 RSTECH ASE Maintenance and Light Repair Entry Level, ASE Refrigerant Recovery and Recycling Certified Veterinary Assistant Level 1, Elanco Fundamentals of Animal Science, Licensed Veterinary Technician OSHA 30 General* NCCER Core Level 1, NCCER Welding Level 1 Autodesk Associate (Certified User) Inventor for Mechanical Design, Certified SOLIDWORKS Associate*	
LONG ACADEMY	Information Technology Transportation, Distribution and Logistics Agriculture, Food and Natural Resources Manufacturing STEM	Automotive Animal Science Advanced Manufacturing and Machinery Mechanics Welding Engineering	Principles of Biosciences (1) Biotechnology (1) Pathophysiology (1)* NONE Principles of Information Technology (1) Internetworking Technologies I (1)^* Internetworking Technologies II (1)* Internetworking Technologies II (1) *^A Career Preparation I (2)* Principles of Transportation Systems (1) Energy and Power of Transportation Systems (1)* Automotive Technology I: Maintenance and Light Repair (2)* Automotive Technology I: Maintenance and Light Repair (2)* Automotive Technology I: Momontive Service (2)* Principles of Agriculture, Food and Natural Resources (1) Livestock Production (1)* Veterinary Medical Applications (1)* Advanced Animal Science (1)* Principles of Applied Engineering (1) Robotics II (1)* Engineering Design and Presentation I (1)* Welding II (2) Welding II (2)* Practicum in Manufacturing (2)* Principles of Applied Engineering (1) Engineering Design and Presentation I (1)* Engineering Design and Problem Solving I (1)* Principles of Health Science (1) Health Science Theory (1)* Anatomy and Physiology (1)* Practicum in Health Science (2)*		CompTIA A+/Network+/Server+, Cisco CCNA *(200-301), Cisco 100-490 RSTECH ASE Maintenance and Light Repair Entry Level, ASE Refrigerant Recovery and Recycling Certified Veterinary Assistant Level 1, Elanco Fundamentals of Animal Science, Licensed Veterinary Technician OSHA 30 General* NCCER Core Level 1, NCCER Welding Level 1 Autodesk Associate (Certified User) Inventor for Mechanical Design, Certified SOLIDWORKS Associate*	
LONG ACADEMY	Information Technology Transportation, Distribution and Logistics Agriculture, Food and Natural Resources Manufacturing STEM	Automotive Animal Science Advanced Manufacturing and Machinery Mechanics Welding Engineering	Principles of Biosciences (1) Biotechnology (1) Pathophysiology (1)* NONE Principles of Information Technology (1) Internetworking Technologies I (1)^ Internetworking Technologies II (1) * Career Preparation I (2)* Principles of Transportation Systems (1) Energy and Power of Transportation Systems (1)* Automotive Technology I: Maintenance and Light Repair (2)* Automotive Technology I: Maintenance and Light Repair (2)* Automotive Technology I: Automotive Service (2)* Principles of Agriculture, Food and Natural Resources (1) Livestock Production (1)* Veterinary Medical Applications (1)* Advanced Animal Science (1)* Principles of Applied Engineering (1) Robotics I (1) Engineering Design and Presentation I (1)* Reding I (2)* Welding I (2)* Principles of Applied Engineering (1) Engineering Design and Presentation I (1)* Engineering Design and Presentation I (2)* Principles of Health Science (1) Health Science (1) Anatomy and Physiology (1)*		CompTIA A+/Network+/Server+, Cisco CCNA *(200-301), Cisco 100-490 RSTECH ASE Maintenance and Light Repair Entry Level, ASE Refrigerant Recovery and Recycling Certified Veterinary Assistant Level 1, Elanco Fundamentals of Animal Science, Licensed Veterinary Technician OSHA 30 General* NCCER Core Level 1, NCCER Welding Level 1 Autodesk Associate (Certified User) Inventor for Mechanical Design, Certified SOLIDWORKS Associate*	

			Principles of Cosmetology Design and Color (1)			
	Human Services	Cosmetology			Cosmetology Operator License	
			Cosmetology I (2)*			
			Cosmetology II (2)*			
			District Seculia (4)			
			Digital Media (1) Digital Design and Media Production (1)		Adobe Certified Professional in Graphic Design Using	
	Arts, Audio/Visual Technology and Communications	Graphic Design and Multimedia Arts	Career Preparation I (2)*	Adobe Certified Associate Photoshop	Photoshop	
			NONE		rilotoshop	
MICKEY LELAND CPA			Fundamentals of Computer Science (1)			
			AP Computer Science Principles (1)			
	STEM	Programming and Software Development	AP Computer Science A (1)*		Certified Entry-Level Python Programmer (PCEP)	(DSA ne
			Career Preparation I (2) *			
			Curcui reparation (2)		<u> </u>	
			Fundamentals of Computer Science (1)			
MIDDLE COLLEGE HS at			Computer Science I (1)			
HCC GULFTON	STEM	Programming and Software Development	Computer Science II (1)*	MOS Word	NO, Certified Entry-Level Python Programmer (PCEP)	(DSA ne
TICC GOLFTON			Mobile Application Development (1)*			
			Principles of Business, Marketing, and Finance (1)			
MIDDLE COLLEGE HS at	Dustress Mandantins and Finance	Mankatian and Cales	Virtual Business (0.5) AND Advertising (0.5)*	MOS Ward MOS Ward Franch	NO NO Estados and Caroll Business	
HCC FRAGA	Business, Marketing, and Finance	Marketing and Sales	Retail Management (1)*^ AND Marketing (1)	MOS Word, MOS Word Expert	NO, NO, Entrepreneurship and Small Business	
HEETHAGA			Career Preparation I (2)*			
			CTE Options on Home Campus			
		Carpentry	CTE Options on Home Campus	NCCER Core Level I, OSHA 30 Construction*	YES, NO* (NCCER Carpentry Level I)	
		Carpentry	Construction Technology I (2)	NCCEN COTE LEVELT, COMA SU CONSTRUCTION	125, NO (NOCEN Carpentry Lever)	
	Architecture and Construction		Construction Technology II (2)*			
			Principles of Construction (1)		NCCER Core Level I, NCCER HVAC Level I, Refrigerant	
		HVAC and Sheet Metal	HVAC and Refrigeration Technology I (1)		Handling EPA 608	
-			HVAC and Refrigeration I Technology II (2)*			
			Introduction to Culinary Arts (1)			
	Hospitality and Tourism	Culinary Arts	Foundations of Restaurant Management (1)	ServSafe Manager	ServSafe Manager	
	,,		Culinary Arts (2)	•••••••		
			Advanced Culinary Arts (2)*			
			Introduction to Welding (1)			
	Manufacturing	Welding	Welding I (2)	AWE Sense Welding Level I	AWE Sense Welding Level I	
			Welding II (2)*			
			NONE			
MILBY			Fundamentals of Computer Science (1)		NOCTI Security Fundamentals, Comp TIA A+/Network+/Security+	
		Cybersecurity	AP Computer Science Principles (1)	MTA Introduction to Programming Using Python		(DSA ne
			Computer Science I (1)	• • • • •		,
	STEM		Cybersecurity Capstone (2)*^			
			Principles of Applied Engineering (1)		Autodesk Associate (Certified User) Inventor for Mechanical	
	Engineering	Engineering Design and Presentation I (1)*	OSHA 30 General	Design, Certified SOLIDWORKS Associate*, NOCTI		
			Engineering Design and Presentation II (2)*		Engineering Technology Foundations	
			Engineering Design and Problem Solving (1)* Principles of Health Science (1)			
			Medical Terminology (1)			
	Health Science	Healthcare Diagnostics	Health Science Theory with Clinical (2)*	Clinical Medical Assistant	YES, Pharmacy Technician	
			Practicum in Health Science (2)*			
			Introduction to Cosmetology (1)			
			Principles of Cosmetology Design and Color Theory (1)			
	Human Services	Cosmetology	Cosmetology I (2) * OR Nail Care, Enhancements, and Spa Svcs (1)^		Cosmetology Operator License	
			Cosmetology II (2)*			
			connecting; it (2)			
			Medical Terminology (1)			
MOUNT CARMEL			Business Information Management I (1)		A4 11 10 11 11 11 11 11 11 11 11 11 11 11	
ACADEMY	Health Science	Health Informatics	Health Informatics (1)*		Medical Billing and Coding Specialist	
ACABEIIII			NONE			
			Principles of Business, Marketing and Finance (1)			
	Business, Marketing, and Finance	Entrepreneurship	Entrepreneurship (1)	Entrepreneurship and Small Business, MOS Word	YES, NO	
	Sasiness, Marketing, and Finance	Lincepreneuranip	Entrepreneurship II (1)^	Prenediatip and aman basiness, 1103 Word	125,110	
NORTH HOUSTON ECHS			Project Based Research (1)* OR Practicum in Entrepreneurship (2)*			
TOMINI NOOSTON ECIIS			Principles of Government and Public Administration (1)			
	Law and Public Service	Government and Public Administration	Political Science I (1)		NONE	ALTERNAT
	and a solution of the	and ranning stoll	Dimensions of Diplomacy (1)*^			, L. LINA
			TBD			
			Principles of Construction (1)			
	Architecture and Construction	HVAC and Sheet Metal (DCH)	HVAC and Refrigeration Technology I (1)	Refrigerant Handling EPA 608 [25 current seniors]	YES (NCCER Core Level 1)	
		, , , , , , , , , , , , , , , , , , , ,	HVAC and Refrigeration Technology II (2)*	5	, , , , , , , , , , , , , , , , , , , ,	
			Practicum in Construction Technology (2)*			
			Principles of Information Technology (1)			
	Information Technology	Networking Systems	Internetworking Technologies I (1)	MOS Word/Excel	NO (Cisco 100-490/200-301, CompTIA Network+)	(DSA ne
		5 . ,	Internetworking Technologies II (1)*	,		
			Career Preparation I (2)*			

			Principles of Transportations Systems (1)			
			Energy, Power and Transportation Systems (1)	ASE Maintenance Light and Light Repair Entry Level, ASE		
NORTH FOREST	Transportation, Distribution and Logistics	Automotive	Automotive Basics (1)	Refrigerant Recovery and Recycling	YES	
			Career Preparation I (2)*			
			Principles of Agriculture, Food and Natural Resources (1)			
	Agriculture. Food and Natural Resources	Animal Science	Livestock Production (1)*	OSHA 30 General, Certified Veterinary Assistant	(NO) YES [Elanco Animal Science Cert]	
	Agriculture, 1000 and Natural Resources	Alimai science	Veterinary Medical Applications (1)*	OSITA 50 General, Certified Veterinary Assistant	(NO) TES [Elanco Allimai Science Cert]	
			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) ^A	OSHA 30 General	NO (OSHA Hazardous Waste Operations and Emergency Response*, IAED Emergency Telecommunicator)	
			Firefighter I (2)* Anatomy and Physiology (1)*		Response -, IAED Emergency Telecommunicator)	
			Anatomy and Physiology (1)			
			Principles of Arts, A/V Technology And Communications (1)			
			Audio/ Video Production I (1)		Adobe Certified Professional in Digital Video Using Adobe	
		Digital Communications	Audio/ Video Production II (1)*		Premiere Pro, Adobe Certified Professional in Visual Design	
			Practicum in Audio/ Video Production (2)*		Using Photoshop,	
	Arts, Audio/Visual Technology and Communication		Principles of Arts, A/V Technology And Communications (1)			
			Digital Media (1) OR Graphic Design and Illustration I (1)			
		Graphic Design and Multimedia Arts	Graphic Design and Illust. I DCH (2) OR Digital Design and Media Production (1)*	Adobe Certified Associate Photoshop	YES	
			Graphic Design and Illust. II DCH (2)* OR Practicum in Audio/ Video Production (2)*			
			Principles of Hospitality and Tourism (1)			
NORTHSIDE			Introduction to Culinary Arts (1)			
NOKTHSIDE		Culinary Arts	Culinary Arts (2)		ServSafe Manager	
			Practicum in Culinary Arts (2)*			
	Hospitality and Tourism		Principles of Hospitality and Tourism (1)			
		Lodging and Bos	Hotel Management (1)	Cortified Hornitality and Tourist Manager Park	VEC	
		Lodging and Resort Management	Hospitality Services (2)*	Certified Hospitality and Tourism Management Professional	YES	
			Practicum in Hospitality Services (2)*			
			Principles of Information Technology (1)			
	STEM	STEM Cybersecurity	Internetworking Technologies (1)^		Comp TIA A+/Network+/Security+	(DSA needed)
	512.11	-,	Networking (1)*			(DS/Triceded)
			Practicum in Information Technology (2)*			
			Principles of Construction (1)			
	Architecture and Construction	HVAC and Sheet Metal	HVAC and Refrigeration Technology I (1)	Refrigerant Handling EPA 608, OSHA 30 Construction	YES, NO, NCCER Core Level I, NCCER HVAC Level I	
			HVAC and Refrigeration Technology II (2)*			
			Practicum in Construction Technology (2)* Principles of Business, Marketing and Finance (1)			
			Business Information Management I (1)		MOS Word Expert, MOS Excel Expert, Entrepreneurship and Small Business	
SCARBOROUGH	Business, Marketing, and Finance	ance Business Management	Business Management (1)*			
			Practicum in Business Management (2)*			
			Principles of Education and Training (1)			
	Education and Training		Human Growth and Development (1)	Educational Aide I	YES	
	Education and Training	Teaching and Training	Instructional Practices (2)*		123	
			Practicum in Education and Training (2)*			
			Principles of Agriculture, Food, and Natural Resources (1)			
	Agriculture, Food, and Natural Resources	Plant Science	Horticultural Science (1)*		TSFA Level 1 Floral Certification	
			Floral Design I (1)*			
			Advanced Floral Design (1)*^ OR Advanced Plant and Soil Science (1)*			
			Digital Media (1) OR Video Game Design (1)		Adoba Cartified Professional in Carabia Davis	
		Graphic Design and Multimedia Arts	Animation I (1) Animation II (1)*		Adobe Certified Professional in Graphic Design and Illustration Using Adobe Illustrator	
			Practicum in Audio/Video Production (2)*		manual and modification	
SHARPSTOWN	Arts, A/V Technology, and Communication		Principles of Arts, A/V Technology and Communications (1)			
			Audio/Video Production I (1)		Adobe Certified Professional in Digital Video Using Adobe	
		Digital Communications	Audio/Video Production II (1)*		Premiere Pro, Adobe Certified Professional in Visual Design	
			Practicum in Audio/Video Production (2)* OR Practicum in Entrepreneurship (2)*^		Using Photoshop,	
			Principles of Health Science (1)			
	Health Science	Healthcare Diagnostics	Medical Terminology (1)	Clinical Medical Assistant, Medical Billing and Coding	YES, NO	
			Health Science Theory (1)*			
			Anatomy and Physiology (1)*			
			Principles of Arts, AV Technology and Communications (1)			
			Graphic Design and Illustration I (1)		YES [Adobe Certified Professional in Graphic Design Using	
	Arts, AV Technology and Communications	Graphic Design and Multimedia Arts	Graphic Design and Illustration II (1)*	Adobe Certified Associate Illustrator	Photoshop]	
			Digital Art and Animation (1)*			
			Business Information Management I (1)			
	Business, Marketing, and Finance	Entropropourchin	Entrepreneurship I (1)		Entropropourchin and Small Busin	
011.00000000000000000000000000000000000	business, ivial keting, and Finance	Entrepreneurship	Entrepreneurship II (1)*		Entrepreneurship and Small Business	
SHARPSTOWN			Project-Based Research (1)*			
INTERNATIONAL			Principles of Applied Engineering (1)			
	Manufacturing	Advanced Manufacturing and Machinery Mechanics	Manufacturing Engineering Technology I (1)		OSHA 30 General*	
		, medianes	Engineering Design and Presentation I (1)*			
			Career Preparation I (2)*			
			· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·		·

			Computer Science I (1)			
			AP Computer Science Principles (1)			(
	STEM	Programming and Software Development	IB Computer Science SL1 (1)*		Certified Entry-Level Python Programmer (PCEP)	(DSA needed)
			IB Computer Science HL1 (1)*			
			Business Information Management I (1) Business Information Management II (1)		MOS Word Expert, MOS Excel Expert, Entrepreneurship and	
	Business, Marketing, and Finance	Business Management	Business Information Management II (1) Business Management (1)*		MOS Word Expert, MOS Excel Expert, Entrepreneurship and Small Business	
SOUTH EARLY COLLEGE			Statistics and Business Decision Making (1)*			
HS			Engineering Essentials (1) (PLTW)^			
113	STEM	Engineering	Introduction to Engineering Design (PLTW) (1)^		Autodesk Associate (Certified User) Inventor for Mechanical	
	SIEWI	Engineering	Engineering Science (1)*		Design, Certified SOLIDWORKS Associate*	
			Civil Engineering and Architecture (PLTW) (1)*^			
			Business Information Management I (1)			
			Business Information Management (1) Business Information Management II (1)			
	Business, Marketing, and Fianance	Business Management	Business Management (1)*	MOS Word, MOS Word Expert, MOS Excel, MOS Excel Expert	NO*, YES, NO*, YES	
			Practicum in Business Management (2)* OR Career Prep I (2)*			
			Introduction to Welding (1)			
	Manufacturing	Welding	Welding I (2)	NCCER Welding Level I, NCCER Core Level I	YES	
			Welding II (2)*			
			Practicum in Manufacturing (2)* Principles of Transportation Systems (1)			
			Energy and Power of Transportation Systems (1)	ASE Painting and Refinishing Entry Level, ASE Refrigerant Recovery		
		Automotive	Automotive Technology I: Maintenance and Light Repair (2)*	and Recycling	YES	
STEPLING			Automotive Technology II: Automotive Services (2)*	, ,		
STERLING			Introduction to Aircraft Technology (1)			
	Transportation, Logistics and Distribution	Aviation Maintenance	Aviation Maintenance (TBD)	FAA 107 Remote Drone Pilot	NO, Aerospace Manufacturing Certification, OSHA 30	(Cold Start AMC)
	,8		Aircraft Airframe Technology (2)*		General*	
			Aircraft Powerplant Technology (2)*			
			Introduction to Aircraft Technology (1) Aviation Ground School (1)^			
		Aviation (Flight)	Practicum in Transportation Systems (First-time Taken) (2)*		FAA 107 Remote Drone Pilot	
			Practicum in Transportation Systems (Second-time Taken) (2)*			
			Principles of Law, Public Safety, Corrections and Security (1)			
	Law and Public Service	Law Enforcement	Law Enforcement I (1)	Non-commissioned Security Officer Level II	YES	
		Edit Emorecinent	Law Enforcement II (1)*	How commissioned security officer sever in		
			Practicum in Law, Public Safety, Corrections and Security (2)*			
			Digital Media (1)			
			Graphic Design and Illustration I (1)			
		Graphic Design and Multimedia Arts	Graphic Design and Illustration II (1)*	Adobe Certified Associate Photoshop	YES	
	Arts, AV Technology and Communications	Eachnology and Communications	Digital Art and Animation (1)*			
	Arts, Av Technology and Communications		Principles of Arts, AV Technology and Communications (1)			
		Digital Communications	Audio/Video Production I (1)	Adobe Certified Associate Premiere Pro	YES	
			Audio/Video Production II (1)* Practicum in Audio/Video Production (2)*			
			Principles of Business, Marketing, and Finance (1)			
			Business Information Management I (1)			
	Business, Marketing, and Fianance	Business Management	Business Information Management II (1)	MOS Word, MOS Word Expert, MOS Excel, MOS Excel Expert	NO*, YES, NO*, YES	
			Practicum in Business Management (2)* OR Career Preparation I (2)*			
			Principles of Transportation Systems (1)		ASE Maintenance Light and Light Repair Entry Level, ASE	
WALTRIP	Transportation, Distribution and Logistics	Automotive	Energy and Power of Transportation Systems (1) *	ASE Refrigerant Recovery and Recycling	Refrigerant Recovery and Recycling	
			Automotive Technology I: Maintenance and Light Repair (2) * Principles of Information Technology (1)			
			Geographic Information Systems (1)^ *			
	Information Technology	Information Technology Support and Services	Raster Based Geographic Information Systems (1)^		CompTIA A+, CompTIA Fundamentals+	(DSA needed)
			Practicum in Information Technology (2)*			
			Principles of Applied Engineering (1)			
	STEM	Engineering	Manufacturing Engineering Technology (1)	Certified SOLIDWORKS Associate	Autodesk Associate (Certified User) Inventor for Mechanical	
			Engineering Design and Presentation I (1) * Practicum in Science, Technology, Engineering and Mathematics (2)*		Design, Certified SOLIDWORKS Associate*	
			Practicum in Science, Technology, Engineering and Mathematics (2)* Principles of Health Science (1)			
	HM-C		Medical Terminology (1)		Dharman, T. J. J.	
	Health Science	Healthcare Therapeutics	Health Science Theory (1)*		Pharmacy Technician	
			Pharmacology (1) *			
			Principles of Agriculture, Food and Natural Resources (1) Livestock Production (1)*		Certified Veterinary Assistant, Elanco Animal Science	
		Animal Science	Veterinary Medical Applications (1)*	NONE	Certified Veterinary Assistant, Elanco Animai Science Certification	
			Advanced Animal Science (1)*		23.1	
	Agriculture, Food and Natural Resources		Principles of Agriculture, Food and Natural Resources (1)			
		Plant Science	Greenhouse Operations (1)			
		Flant Science	Horticultural Science (1)*			
			TBD			
			Principles of Construction (1) Construction Technology I (2)			
WASHINGTON	Architecture and Construction	Carpentry	Construction reconology ((2)	NCCER Core Level I	YFS	

WASHINGTON	A consecutive and construction	co.pc,	2 7	recen core cerer		
		, ,	Construction Technology II (2)*			
			Practicum in Construction Technology (2)*			
			Principles of Information Technology (1)			
	Information Technology	Networking Systems	Computer Maintenance (1) Networking (1)	MTA Networking Fundamentals	NO (Cisco 100-490/200-301, CompTIA Network+)	(DSA need
		_	Advanced Cloud Computing (1)*^			
			Principles of Applied Engineering (1)			
		Engineering				
	STEM		Engineering Design and Presentation I (1)*	Certified SOLIDWORKS Associate, FAA Part 107 Remote Drone Pilot	YES, NO	
			Engineering Design and Problem Solving (1)* Practicum in STEM (2)*			
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	Implementa
Campus	Career Cluster	Frogram or Study	Principles of Business Marketing and Finance (1)	ilidustry based certification Types Earned - 21/22	Program of Study Alignment 22/23	implement
			Business Information Management I (1)			
	Business, Marketing, and Finance	Business Management	Business Information Management II (1)	MOS Word, MOS Excel	YES*, YES*, MOS Word Expert, MOS Excel Expert	
			Practicum in Business Management (2)* OR Business Management (1)*			
			Principles of Information Technology (1)			
			Web Design (1)*	MTA Introduction to Programming Using HTML and CSS, Unity		
	Information Technology	Web Development	Web Game Development (1)*	Certified Programmer	(discontinued), NOCTI Web Design, CWMADA	(Cold Sta
			Project Based Research (1)*	*		
			Principles of Transportation Systems (1)			
			Automotive Basics (1)	ASE Brakes Entry Level, ASE Electrical/Electronic Systems Entry	ASE Brakes Entry Level, ASE Electrical/Electronic Systems	
	Transportation, Distribution and Logistics	Automotive	Automotive Technology I: Maintenance and Light Repair (2)*	Level, ASE HVAC Entry Level, ASE Maintenance and Light Repair Entry Level, ASE Refrigerant Recovery and Recycling, ASE	Entry Level, ASE HVAC Entry Level, ASE Maintenance and Light Repair Entry Level, ASE Refrigerant Recovery and	
			Automotive Technology II: Automotive Service (2)* OR Practicum in Transportation	Suspension and Steering Entry Level	Recycling, ASE Suspension and Steering Entry Level	
WESTBURY			Systems (2)*	Suspension and Steering Entry Level	Recycling, A3E 3uspension and Steering Entry Level	
WESTBOKT			Principles of Applied Engineering (1)			
	STEM	Engineering	Introduction to Engineering and Design PLTW (1)^		Autodesk Associate (Certified User) Inventor for Mechanical	
	JIE!#I	Liigineering	Computer Integrated Manufacturing PLTW (1)^ *		Design, Autodes Associate (Certified User) AutoCAD	
			Engineering Design and Problem Solving (1)*			
			Principles of Law, Public Safety, Corrections, and Security (1)			
	Law and Public Service	Emergency Services	Disaster Response (1)^		OSHA Hazardous Waste and Emergency Response*	
	Edit did i dolle oci vice	Emergency Services	Firefighter I (2)*		OSTA Hazardous waste and Emergency Response	
			Emergency Medical Technician - Basic (2)^ *			
			Principles of Health Science (1)			
			Health Science Theory (1)*			
	Health Science	Healthcare Diagnostics	Anatomy and Physiology (1) * Practicum in Health Science (2)* OR	Clinical Medical Assistant	Clinical Medical Assistant	
			Pathophysiology (1)*			
			Principles of Agriculture, Food, and Natural Resources (1)			
			Range Ecology and Management (1)*			
	Agriculture, Food, and Natural Resources	Environmental and Natural Resources	Project Based Research (1)*		Water Operators - Class D, Natural Resources Systems	(DSA nee
			Scientific Research and Design (1)*			
			Principles of Arts, A/V Tech and Communications (1)			
		Graphic Design and Multimedia Arts (1)	Animation I (1)		Adobe Certified Professional in Visual Effects Using After	
			Animation II w/Lab (2)*		Effects	
			Practicum in Animation (2)*			
			Principles of Arts, A/V Tech and Communications (1)			
			Graphic Design and Illustration I (1)		Adobe Certified Professional in Visual Design Using	
	Arts, A/V Technology and Communications	Graphic Design and Multimedia Arts (2)	Graphic Design and Illustration II (1)*		Photoshop	
			Practicum in Graphic Design and Illustration (2)*			
			Principles of Arts, A/V Tech and Communications (1)			
			Audio/Video Production I (1)			
		Digital Communications	Audio/Video Production II (1)*		Adobe Certified Associate Premiere Pro	
			Practicum in Audio/Video Production (2)*			
			Principles of Business Marketing and Finance (1)			
			Financial Mathematics (1)* OR			
		Accounting and Financial Services	Business Information Management (1)	Quickbooks Certified User	YES (Intuit Quickbooks Certified User)	
			Accounting I (1)			
	Duringer Mandration and Plan		Practicum in Business Management (2)* OR Career Preparation I (2)*			
	Business, Marketing, and Finance		Principles of Business, Marketing and Finance (1)			
			Business Information Management I (1)			
		Business Management	Business Law (1) OR Global Business (0.5) * AND Virtual Business (0.5)	MOS Word	YES*, MOS Word Expert	
WESTSIDE		Business Management				
WESTSIDE		Business Management	Practicum in Business Management (2)* OR			
WESTSIDE		Business Management	Practicum in Business Management (2)* OR			
WESTSIDE		Business Management	Practicum in Business Management (2)* OR Business Management (1)* Introduction to Culinary Arts (1)			
WESTSIDE	Horoitality and Tourism		Practicum in Business Management (2)* OR Business Management (1)* Introduction to Culinary Arts (1) Culinary Arts (2)		Sen/Safe Manager	
WESTSIDE	Hospitality and Tourism	Business Management Culinary Arts	Practicum in Business Management (2)* OR Business Management (1)* Introduction to Culinary Arts (1)		ServSafe Manager	
WESTSIDE	Hospitality and Tourism		Practicum in Business Management (2)* OR Business Management (1)* Introduction to Culinary Arts (1) Culinary Arts (2) Advanced Culinary Arts (2)* Practicum in Culinary Arts (2)*		ServSafe Manager	
WESTSIDE	Hospitality and Tourism		Practicum in Business Management (2)* OR Business Management (1)* Introduction to Culinary Arts (1) Culinary Arts (2) Advanced Culinary Arts (2)*		ServSafe Manager	
WESTSIDE	Hospitality and Tourism	Culinary Arts	Practicum in Business Management (2)* OR Business Management (1)* Introduction to Culinary Arts (1) Culinary Arts (2) Advanced Culinary Arts (2)* Practicum in Culinary Arts (2)*			
WESTSIDE	Hospitality and Tourism		Practicum in Business Management (2)* OR Business Management (1)* Introduction to Culinary Arts (1) Culinary Arts (2) Advanced Culinary Arts (2)* Practicum in Culinary Arts (2)* Fundamentals of Computer Science (1)	MTA Introduction to Programming Using Java	C++ Certified Assicate Programmer, Certified Entry-Level	(DSA needed
WESTSIDE		Culinary Arts	Practicum in Business Management (2)* OR Business Management (1)* introduction to Culinary Arts (1) Culinary Arts (2) Advanced Culinary Arts (2)* Practicum in Culinary Arts (2)* Fundamentals of Computer Science (1) Computer Science II (1)* OR AP Computer Science Principles (1) Practicum in Information Technology (2)* OR	MTA Introduction to Programming Using Java		(DSA needed
WESTSIDE	Hospitality and Tourism STEM	Culinary Arts	Practicum in Business Management (2)* OR Business Management (1)* Introduction to Culinary Arts (1) Culinary Arts (2) Advanced Culinary Arts (2)* Practicum in Culinary Arts (2)* Fundamentals of Computer Science (1) Computer Science I (1) Computer Science I (1)* OR AP Computer Science Principles (1) Practicum in Information Technology (2)* OR AP Computer Science A (2) *	MTA Introduction to Programming Using Java	C++ Certified Assicate Programmer, Certified Entry-Level	(DSA needed
WESTSIDE		Culinary Arts	Practicum in Business Management (2)* OR Business Management (1)* Introduction to Culinary Arts (1) Culinary Arts (2) Advanced Culinary Arts (2)* Practicum in Culinary Arts (2)* Fundamentals of Computer Science (1) Computer Science I (1) Computer Science I (1)* OR AP Computer Science Principles (1) Practicum in Information Technology (2)* OR AP Computer Science A (2)* Introduction to Engineering Design (1) (PLTW)^A	MTA Introduction to Programming Using Java	C++ Certified Assicate Programmer, Certified Entry-Level Python Programmer, Certified Profressional Programmer	(DSA needed
WESTSIDE		Culinary Arts Programming and Software Development	Practicum in Business Management (2)* OR Business Management (1)* Introduction to Culinary Arts (1) Culinary Arts (2) Advanced Culinary Arts (2)* Practicum in Culinary Arts (2)* Fundamentals of Computer Science (1) Computer Science I (1)* Computer Science I (1)* Practicum in Information Technology (2)* OR AP Computer Science A (2) * Introduction to Engineering Design (1) (PLTW)^A Computer Integrated Manufacturing (1) (PLTW)^A	MTA Introduction to Programming Using Java	C++ Certified Assicate Programmer, Certified Entry-Level Python Programmer, Certified Profressional Programmer Autodesk Associate (Certified User) Inventor for Mechanical	(DSA needed
WESTSIDE		Culinary Arts	Practicum in Business Management (2)* OR Business Management (1)* Introduction to Culinary Arts (1) Culinary Arts (2) Advanced Culinary Arts (2)* Practicum in Culinary Arts (2)* Fundamentals of Computer Science (1) Computer Science I (1) Computer Science I (1)* OR AP Computer Science Principles (1) Practicum in Information Technology (2)* OR AP Computer Science AI (2)* Introduction to Engineering Design (1) (PLTW)^A Computer Integrated Manufacturing (1) (PLTW)^A Digital Electronics (1)*	MTA Introduction to Programming Using Java	C++ Certified Assicate Programmer, Certified Entry-Level Python Programmer, Certified Profressional Programmer	(DSA needed
WESTSIDE		Culinary Arts Programming and Software Development	Practicum in Business Management (2)* OR Business Management (1)* Introduction to Culinary Arts (1) Culinary Arts (2) Advanced Culinary Arts (2)* Practicum in Culinary Arts (2)* Fundamentals of Computer Science (1) Computer Science I (1)* Computer Science I (1)* Practicum in Information Technology (2)* OR AP Computer Science A (2) * Introduction to Engineering Design (1) (PLTW)^A Computer Integrated Manufacturing (1) (PLTW)^A	MTA Introduction to Programming Using Java	C++ Certified Assicate Programmer, Certified Entry-Level Python Programmer, Certified Profressional Programmer Autodesk Associate (Certified User) Inventor for Mechanical	(DSA needed

	Law and Public Service	Legal Studies	Political Science II (1)*		NONE	ALTERNATE CCMR
	East and I ablic service	zegai statics	Business Law (1)			THE TELL OF THE COMM
			Project Based Research (1)*			
			Principles of Health Science (1)			
	Health Crisses	Healthcare Diseased	Medical Terminology (1)	Clinical Medical Assistant Pharmacy Tochnicia-	VEC VEC	
	Health Science	Healthcare Diagnostics	Anatomy and Physiology (1)* AND Health Science Theory (1)*	Clinical Medical Assistant, Pharmacy Technician	YES, YES	
			Practicum in Health Science (2)* OR			
Campus	Career Cluster	Program of Study	Pharmacology (1)* 2022-2023 CTE Course Sequence (credit value)	Industry Based Certification Types Earned - 21/22	Program of Study Alignment 22/23	Implementation
Campus	Career Cluster	Frogram or study	Principles of Arts, A/V Technology, and Communications (1)	Muusu y based cerunication rypes carried - 21/22	Adobe Certified Professional in Visual Effects Using After	ппрешенацоп
			Animation I (1)		Effects, Adobe Certified Professional in Visual Effects Using After	
	Arts, A/V Technology and Communications	Graphic Design and Multimedia Arts	Animation I (1)*	NONE	Photoshop, Adobe Certified Professional in Visual Design Using Photoshop, Adobe Certified Professional in Visual Design	
			Career Preparation I (2)*		Using Illustrator	
			Principles of Hospitality and Tourism (1)		•	
			Introduction to Culinary Arts (1)			
	Hospitality and Tourism	Culinary Arts	Culinary Arts (2)	ServSafe Manager	YES	
			Advanced Culinary Arts (2)*			
			Principles of Information Technology (1)			
MAILE ATLEY			Project Based Research (1)*	, universal and a second	NOTE WILD COMMAND	/max
WHEATLEY	Information Technology	Web Development (INACTIVE)	Career Preparation I (2)*	NONE	NOCTI Web Design, CWMADA	(DSA needed)
			(none)			
			Principles of Transportation Systems (1)	ASE Automotive Service Technology, ASE Brakes, ASE		
	Toursended on Louisday and District	A	Automotive Basics (1)	Electrical/Electronic Systems, ASE Engine Performance, ASE	YES	
	Transportation, Logistics and Distribution	Automotive	Automotive Technology I: Maintenance and Light Repair (2)*	Maintenance and Light Repair, ASE Manual Drivetrain, ASE	YES	
			Practicum in Transportation Systems (2)*	Refrigerant, ASE Suspension and Steering		
			Principles of Education and Training (1)			
	Education and Tenining	Early Loarning (DTECH)	Child Development (1)	NONE (phase-in)	NOCTI Early Childhood Educaiton and Care - Basic, Child	
Education and Training	Education and Training	Early Learning (PTECH)	Child Guidance (2)*	NONE (priase-in)	Development Associate	
			Career Preparation I (2)*			
			Principles of Construction (1)			
	Architecture and Construction	Carpentry	Construction Technology I (2)	NCCER Core Level I	YES, NCCER Carpentry Level I	
			Mill and Cabinetmaking Technology (2)*			
			Principles of Business, Marketing and Finance (1)			
	Business, Marketing, and Finance	Business Management	Business Information Management I (1)	MOS Word, MOS Word Expert	YES*, YES	
	business, marketing, and i mance	Susmess Management	Business Information Management II (1)*		,	
			Human Resource Management (0.5)* AND Global Business (0.5)*			
			Introduction to Welding (1)		VEC MOORD VI	
	Manufacturing	Welding	Welding I (2)	NCCER Core Level I	YES, NCCER Welding Level I	
			Welding II (2)*			
		Engineering	Principles of Applied Engineering (1)	OSHA 30 General	Autodesk Associate (Certified User) Inventor for Mechanical Design, Autodes Associate (Certified User) AutoCAD	
			Engineering Design and Presentation I (1)*			
			Engineering Design and Presentation II (2)*		Design, Autodes Associaté (Certified User) AutoCAD	
	STEM		Engineering Design and Problem Solving (1)*			
WISDOM			Fundamentals of Computer Science (1)	-	Con Contified Assistants December 2	(Cold Stort / DCs
		Programming and Software Development	Computer Science I (1)		C++ Certified Assicate Programmer, Certified Entry-Level Python Programmer, Certified Profressional Programmer	(Cold Start / DSA
			Computer Science II (1)*	-	rython Programmer, Certified Profressional Programmer	needed Python)
			Practicum in Information Technology (2)*			
			Principles of Education and Training (1)			
		Early Learning	Child Development (1)		Child Development Associate	
			Child Guidance (2)*	-		
	Education and Training		Practicum in Education and Training (2)* Principles of Education and Training (1)			
			Principles of Education and Training (1) Child Development (1)			
		Teaching and Training	Instructional Practices (2)*	Educational Aide I	YES	
			Practicum in Education and Training (2)*			
			Practicum in Education and Training (2)* Principles of Law, Public Safety, Corrections and Security (1)			
			Law Enforcement I (1)			
	Law and Public Service	Law Enforcement	Correctional Services (1)*	Non-commissioned Security Officer Level II	YES	
			Federal Law Enforcement and Protective Services (1)			
			reactor services and Protective Services (1)			
			Principles of Agriculture, Food and Natural Resources (1)			
			Livestock Production (1)*		NO [Certified Veterinary Assistant, Elanco Animal Science	
	Agriculture, Food and Natural Resources	Animal Science	Small Animal Management (0.5) OR Equine Science (0.5)	OSHA 30 General	Certification]	
			Practicum of Agriculture, Food and Natural Resources (2)*			
			Principles of Hospitality and Tourism (1)			
			Hotel Management (1)		NOTE IN THE REAL PROPERTY.	
	Hospitality and Tourism	Lodging and Resort Management	Travel and Tourism Management (1)		NOCTI Hospitality Management - Lodging - Job Ready	
WORTHING			Practicum in Hospitality Services (2)*			
WORTHING			Principles of Information Technology (1)			
			Project Based Research (1)*	1	NOTE WILL BE	(0.11.0)
	Information Technology	Web Development	Web Design (1)*	MTA HTML5 App Development Fundamentals	NOCTI Web Design, CWMADA	(Cold Start)
			Web Game Development (1)*			
			Principles of Education and Training (1)			
			Human Growth and Development (1)			
	Education and Training	Teaching and Training	Instructional Practices (2)*	Educational Aide I	YES	
			mod detroits. Flactices (2)			
			Instructional Practices (2)*			

			1	1		1
		Graphic Design and Multimedia Arts	Principles of Arts, Audio/Video Technology, and Communications (1)			
			Digital Media (1)		Adobe Certified Professional in Visual Design Using Photoshop	
			Commercial Photography I (1)		Filotoshop	
			Commercial Photography II (1)*			
			Principles of Arts, Audio/Video Technology, and Communications (1)			
	Arts, A/V Technology, and Communications	Digital Communications (1)	Professional Communications (0.5) AND Web Communications (0.5)		Adobe Certified Professional in Digital Video Using Premiere	
			Digital Audio Technology I (1)		Pro	
\/A==0			Digital Audio Technology II (1)*			
YATES			Principles of Arts, Audio/Video Technology, and Communications (1)			
		Digital Communications (2)	Audio/Video Production I (1)		Adobe Certified Professional in Digital Video Using Premier	
			Audio/Video Production II (2)*		Pro	
			Practicum in Audio/Video Production (2)*			
	Business, Marketing and Finance	Entrepreneurship	Principles of Business, Marketing, and Finance (1)			
			Business Information Management I		Entrepreneurship and Small Business	
			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*	
	Transportation, Distribution, and Logistics		Management of Transportation Systems (1)			
	. , , ,		Distribution and Logistics (1) *			
			Practicum in Distribution and Logistics (2)*			
			Principles of Biosciences (1)			
		Biomedical Science	Biotechnology I (1)		Medical Laboratory Assistant, Medical Laboratory Technician	(Cold Start)
			Biotechnology II (1)*			(**************************************
			Practicum in STEM (2) * OR Scientific Research and Design (1)*			
			Principles of Applied Engineering (1)			
YWCPA	STEM	Engineering	Engineering Design and Presentation I (1)*		Autodesk Associate (Certified User) Inventor for Mechanical	
IWCFA	JILW.	Lingineering	Engineering Design and Presentation II (2)*		Design, Autodes Associate (Certified User) AutoCAD	
			Engineering Science (1)* OR Practicum in STEM (2)*			
			AP Computer Science Principles (1)		NO, NO [C++ Certified Assicate Programmer, Certified Entry-	
		Programming and Software Development	Computer Science I (1)*	MOS Word, MOS Excel	Level Python Programmer, Certified Profressional	(Cold Start / DSA
			Game Programming and Design (1)*		Level Python Programmer, Certified Profressional Programmer]	needed Python)
			Career Preparation I (2)*			

^{*} TEA Advanced CTE course

[^] TEA Innovative Course

CAMPUS	PROGRAM OF STUDY	IBC ALIGNMENT	IBC IMPLEMENTATION	Growth/Wage Category (GROWTH RATE/SALARY vs. regional median)
	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
NORTH FOREST	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
	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
WHEATLEY	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
		CTE Options on Home Campus			
	Carpentry	CTE Options on Home Campus	NCCER Core Level I	YES	
	Carpentry	Construction Technology I (2)	NCCEN COIL EEVEL	113	
		Construction Technology II (2)*			
		Principles of Business, Finance and Marketing (1)			
	Business Management	Business Information Management I (1)	MOS Word, Google Analytics Individual Qualification	YES*, NO	
	Dusiness Wanagement	Business Information Management II (1)	mos vora, doogle / maryaes marvadar quameador	123 , 110	
		Business Management (1)*			
		Principles of Maritime Science (1) ^A			
	Distribution and Logistics	Management of Transportation Systems (1)	MSSC Certified Logistics Technician (attempted)	YES	
	Distribution and Logistics	Distribution and Logistics (1) *	wisse certified togistics reclinician (attempted)	125	
		Practicum in Distribution and Logistics (2)*			
	Maritime Science	Principles of Maritime Science (1)			
		Maritime Science I (1)^	MSSC Certified Logistics Technician (attempted)	OSHA 30 Hour General*	
		Maritime Science II (1)^	wisse certified togistics reclinician (attempted)		
		Practicum in Distribution and Logistics (2)*			
	Networking Systems	Principles of Information Technology (1)		CompTIA A+/Network+/Server+, Cisco CCNA *(200-301), Cisco 100-490 RSTECH	
AUSTIN		Computer Maintenance (1)	MTA Neworking Fundamentals		(DSA needed)
AUSTIN		Networking (1)*	WITA NEWOKKIIG Fulldamentals		(DSA ficeded)
		Practicum in Information Technology (2)*			
		Principles of Information Technology (1)			
	Web Development	Project Based Research (1)*	NONE	Orcale Certified Associate Java SE 8 Programmer, NOCTI Web	(DSA needed)
	Web Development	Web Design (1)*	NONE	Design - Job Ready	(DSA ficeded)
		Web Game Development (1) *OR Practicum in Information Technology (2)*			
		Principles of Manufacturing (1)			
	Welding	Introduction to Welding (1)	NCCER Core Level I, NCCER Welding Level I	YES, YES	
	Welling .	Welding I (2)	recent core ecver, recent recang ecver	125, 125	
		Welding II (2)*			
		Principles of Applied Engineering (1)			
	Engineering	Engineering Design and Presentation I (1)*	AutoDesk Certified Professional or User AutoCAD	Autodesk Associate (Certified User) Inventor for Mechanical	
		Engineering Design and Problem Solving(1)*	Autobesic certified Floressional of Osel Autobesic	Design, Certified SOLIDWORKS Associate*	
		Engineering Design and Presentation II (2)*			
		Principles of Education and Training (1)			
	Teaching and Training	Human Growth and Development (1)	Educational Aide I	YES	
	Teaching and Training	Instructional Practices (2)*	Educational Aide I		
		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
		Principles of Arts, A/V Technology and Communications (1)			
	Combine Devices and Marketine allo Anto-	Graphic Design and Illustration I (1)	Adobe Certified Associate Photoshop	YES	
	Graphic Design and Multimedia Arts	Graphic Design and Illus. II (1)* OR Digital Design and Media Prod. (1)	Adobe Certified Associate Priotosnop	YES	
		Practicum in Entrepreneurship (2)*^			
		Principles of Business, Marketing, and Finance (1)			
	Business Management	Business Law (1)	Microsoft Office Specialist Word, Entrepreneurship and Small	YES*, YES	
		Global Business (.5)* AND Human Resources Management (.5)*	Business		
		Statistics and Business Decision Making (1)*			
		Principles of Business, Marketing, and Finance (1) OR Business Information Management (1)			
		Money Matters (1)			
	Accounting and Financial Services	Accounting I (1) OR Financial Mathematics (1)		Inuit Quickbooks Certified User, MOS Excel Expert	
		Securities and Investments (1)*			
		Principles of Business, Marketing, and Finance (1) OR Business Information Management I (1)			
		Marketing (1)^			
	Marketing and Sales	Advertising (.5) AND Sports and Entertainment Marketing (.5)		Entrepreneurship and Small Business	
		Statistics and Business Decision Making (1)*			
		Principles of Distribution and Logistics (1)			
	Distribution and Logistics	Occupational Safety and Environmental Technology (1)^			(DSA needed
		Raster Based Geographic Information Systems (1)^		Certified Logistics Technician, OSHA 30 General*	
		Distribution and Logistics (1)*			
BELLAIRE		Principles of Agriculture, Food, and Natural Resources (1)			
		Small Animal Management (.5) AND Equine Science (.5)		Certified Veterinary Assistant Level 1, Elanco	
	Animal Science	Livestock Production (1)*		Fundamentals of Animal Science, Licensed Veterinary	
		Advanced Animal Science (1)* OR Veterinary Medical Applications (1)*		Technician	
		Principles of Agriculture, Food, and Natural Resources (1)			
		Floral Design (1)*			
	Plant Science	Advanced Floral Design (1)*		TSFA Level 1 Floral Certification	
		Advanced Plant and Soil Science (1)*			
		Computer Science I PAP (1)			
		AP Computer Science Principles (1)		C++ Certified Associate Programmer, CompTIA Linux+,	
	Programming and Software Development (1)	AP Computer Science A (2)*		Oracle Certified Associate Java SE 8 Programmer, Oracle	(DSA need
		Computer Science III (1)*		Database SQL Certified Associate	
		Fundamentals of Computer Science (1)			
		Computer Science I PAP (1)		Apple App Development with Swift, Oracle Certified	
	Programming and Software Development (2)	Mobile Application Development (1)		Associate Java SE 8 Programmer, Oracle Database SQL	(DSA need
		Computer Science II PAP (1)*		Certified Associate	
		Principles of Human Services (1)			
		Professional Communications (.5) AND Interpersonal Studies (.5)			
	Family and Community Services	Lifetime Nutrition and Wellness (1)		Child Development Associate	
		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	Implementatio
		Principles of Agriculture, Food and Natural Resources (1)			
		Wildlife, Fisheries, and Ecology Management (1)			(Cold Start()
	Environmental and Natural Resources	Forestry and Woodland Ecosystems (1)		Water Operators - Class D, Natural Resources Systems	(Cold Start()
		Range Ecology and Management (1)*			
		Principles of Arts, A/V Technology and Communications (1)		YES, YES [Adobe Certified Professional in Visual Design Using Illustrator/Photoshop]	
	Countrie Designs and Marking office Auto	Graphic Design and Illustration I w/Lab (2)	Adaha Cashiilad Illinoonoon Adaha Cashiilad Bhasaahaa		
	Graphic Design and Multimedia Arts	Graphic Design and Illustration II (1)*	Adobe Certified Illustrator, Adobe Certified Photoshop		
		Practicum in Graphic Design and Illustration (2)*			
		Principles of Arts, A/V Technology and Communications (1)		VIII 0 10 10 10 1 1 1 1 1 1 1 1 1 1 1 1 1	
	Digital Communications	A/V Production I (1)	Adobe Certified Associate Premiere Pro	YES [Adobe Certified Professional in Digital Video Using Adobe Premiere Pro], Adobe Certified Professional in	
	Digital Communications	A/V Production II (1)*	Adobe Certified Associate Premiere Pro	Visual Design Using Photoshop,	
		Practicum in A/V Production (2)* OR Digital Audio Technology I (1)*		visual besign using Photosnop,	
		Principles of Agriculture, Food and Natural Resources (1)			
	Animal Science	Livestock Production (1)*	Certified Veterinary Assistant Level I	YES	
	Allillai Science	Veterinary Medical Applications (1)*	Certified Veterifiary Assistant Lever I	TES	
		Advanced Animal Science (1)*			
	Plant Science	Principles of Agriculture, Food and Natural Resources (1)			
		Greenhouse Operations (1)	Texas State Floral Association Floral Skills Knowledge Based	YES [TSFA Level 1 Floral Certification]	
		Floral Design (1)*	Texas State Floral Association Floral Skills knowledge Based		
		Advanced Plant and Soil Science (1)*			
CHAVEZ		Principles of Applied Engineering (1)			
	Engineering	Engineering Design and Presentation I (1)		Autodesk Associate (Certified User) AutoCAD/+++,	
	Engineering	Digital Electronics (1)*		Autodesk Associate (Certified User) AutoCAD/+++, Autodesk Certified Professional in AutoCAD/+++	
		Engineering Design and Problem Solving (1)*			
		Principles of Applied Engineering (1)			
	Renewable Energy	AC/DC Electronics (1)		NCCER Electronic System Technician Level I, OSHA 30	
	Nellewable Lifelgy	Solid State Electronics (1)*		General*	
		Digital Electronics (1)*		Autodesk Associate (Certified User) AutoCAD/+++, Autodesk Certified Professional in AutoCAD/+++ NCCER Electronic System Technician Level I, OSHA 30	
		Principles of Law, Public Safety, Corrections, and Security (1)			
	Emergency Services (1)	Disaster Response (1)^		OSHA Harzardous Waste Operations and Emergency	
	Lineigency Services (1)	Emergency Medical Technician - Basic (2)*^		Response*	
		Project Based Research (1)*			
		Principles of Law, Public Safety, Corrections, and Security (1)			
	Emergency Services (2)	Disaster Response (1)^		OSHA Harzardous Waste Operations and Emergency	
	Linesgency services (2)	Firefighter I (2)*		Response*	
		Firefighter II (3)*			
		Principles of Health Science (1)			
		Medical Microbiology (1)*			
	Healthcare Therapeutic	Medical Terminology (1)	Pharmacy Technician	YES	
		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
		Principles of Health Science (1)		YES	
	Healthcare Diagnostics	Health Science Theory (1)*	Certified Clinical Medical Assistant		
	Healthcare Diagnostics	Practicum in Health Science (First Time Taken) (2)*			
		Practicum in Health Science (Second Time Taken) (2)*			
DEBAKEY		Introduction to Pharmacy Science (1)		YES, Patient Care Technician	
	Healthcare Therapeutic	Health Science Theory (1)*	ī		
	Healthcare Therapeutic	Practicum in Health Science (First Time Taken) (2)*	Pharmacy Technician		
		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
	Renewable Energy	Principles of Applied Engineering (1)			
FAST FARIN		AC/DC Electronics (1)		NCCER Electronic System Technician Level I	
EAST EARLY		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
		Principles of Applied Engineering (1)			
	Fuelescales	Engineering Design and Presentation I (1)*	OSHA 30 General	Autodesk Associate (Certified User) AutoCAD/+++,	
	Engineering	Engineering Design and Problem Solving (1)*	OSHA 30 General	Autodesk Certified Professional in AutoCAD/+++	
FASTIMOOD		Scientific Research and Design (1)*			
EASTWOOD		AP Computer Science Principles (1)			
	Programming and Software Development	Game Programming and Design (1)		Contified February I and District Description (DCFD)	(DSA needed)
	Programming and software Development	AP Computer Science A (2)* OR Mobile Application Development (1)*		Certified Entry-Level Python Programmer (PCEP)	(D3A fieeded)
		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
ENGERGIZED FOR STEM	Renewable Energy	Foundations of Energy (1)			
		Introduction to Renewable Energy (1)		NICCED Floring Is Contain Trabalalas Lavel I	
		Environmental Sustainability (1) (PLTW)*		NCCER Electronic System Technician Level I	
		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
	Advanced Manufacturing and Machinery Mechanics	Principles of Manufacturing (1)			
		Robotics I (1) OR Manfacturing Engineering Technology I (1)	Certified SOLIDWORKS Associate	NO, OSHA 30 General*	
		Robotics II (1)* OR Manufacturing Engineering Technology II (1)*	Certified SOLIDWORKS ASSOCIATE		
ENERGY INSTITUTE		Practicum in Manufacturing (2)*			
ENERGY INSTITUTE		Introduction to Engineering Design (1)		Autodesk Associate (Certified User) AutoCAD/+++,	
	Engineering	Engineering Science (1)*	OSHA 30 General	Autodesk Associate (Certified User) AutoCAD/+++, Autodesk Certified Professional in AutoCAD/+++, Certified	
	Engineering	Environmental Sustainability (1) (PLTW)*	OSHA SO Gelleral	SOLIDWORKS Associate*	
	İ	Engineering Design and Problem Solving (1)* OR Practicum in STEM (2)*		SOLIDWORKS ASSOCIATE	

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
		Principles of Agriculture, Food and Natural Resources (1)			
	Environmental and Natural Resources	Wildlife, Fisheries, and Ecology Management (1)	OSHA 30 General	Water Operators - Class D, Natural Resources Systems	(Cold Start)
	Graphic Design and Multimedia Arts	Forestry and Woodland Ecosystems (1)	OSHA 30 General	water Operators - Class D, Natural Resources Systems	(Cold Start)
FURR (Jordan Career Center)		Scientific Research and Design (1)*			
		Principles of Arts, A/V Tech. and Communications (1)		YES, YES [Adobe Certified Professional in Visual Design Using Illustrator/Photoshop]	
		Digital Design and Media Production (1)	Adobe Certified Associate Illustrator, Adobe Certified Associate Photoshop, Adobe Certified Associate Premiere Pro		
		Digital Art and Animation (1)*			
		Career Preparation I (1)*			
		Principles of Health Science (1)			
	Healthcare Therapeutics	Medical Terminology (1)	Certified Clinical Medical Assistant	Certified Clinical Medical Assistant	
	nearthcare merapeutics	Health Science Theory (1)*	Certified Cliffical Medical Assistant	Certified Ciffical Medical Assistant	
		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
		Business Information Management I (1)			
	Entrepreneurship	Mobile Application Development (1)	MOS Word, MOS Excel	Entrepreneurship and Small Business	
		Project Based Research (1)*	WO3 WOI U, WO3 EXCE	Entrepreneurship and small business	
		Practicum in Entrepreneurship (2)*^			
		Graphic Design and Illustration I (1)			
	Graphic Design and Multimedia Arts	Video Game Programming (1)^	Adobe Certified Associate Illustrator, Adobe Certified Associate	YES, YES [Adobe Certified Professional in Visual Design	
	Graphic Design and Multimedia Arts	Advanced Video Game Programming (1)*^	Photoshop, Adobe Certified Expert Illustrator	Using Illustrator/Photoshop]	
		Career Preparation (2)* OR Practicum in Entrepreneurship (2)*			
	Programming and Software Development	Computer Science I (1)			
		AP Computer Science Principles (1)		Certified Entry-Level Python Programmer (PCEP)	(DSA needed)
HAIS		Mobile Application Development (1)		Certified Entry-Level Fytholi Frogrammer (FCLF)	(DSA ficeded)
		Career Preparation (2)* OR Practicum in Entrepreneurship (2)*^			
		Principles of Applied Engineering (1)		Autodesk Associate (Certified User) AutoCAD/+++,	
	Engineering	Engineering Science (1)*		Autodesk Associate (Certified Oser) AutoCAD/+++, Autodesk Certified Professional in AutoCAD/+++, Certified	
	Engineering	Engineering Design and Problem Solving (1)*		SOLIDWORKS Associate*	
		Scientific Research and Design (1)*		30LIDWONKS ASSOCIACE	
		Principles of Government and Public Administration (1)			
		Political Science I (1)			
	Government and Public Administration	Political Science II (1)*		NONE	ALTERNATE CCMR
		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
·	· ·	Digital Design and Media Production (1)	, , , , , , , , , , , , , , , , , , ,		
		Digital Media (1)	Adobe Certified Associate Photoshop, Adobe Certified Expert	YES, YES [Adobe Certified Professional in Visual Design	
	Graphic Design and Multimedia Arts	Graphic Design and Illustration I (1)	Photoshop	Using Illustrator/Photoshop]	
		Graphic Design and Illustration II (1)*	·		
		Principles of Arts, A/V Technologies and Communications (1)		YES [Adobe Certified Professional in Digital Video Using	
	Digital Communications	Audio/Video Production I (1)	Adobe Certified Associate Premiere Pro, Adobe Certified Expert	Adobe Premiere Pro], Adobe Certified Professional in	
		Audio/Video Production II w/Lab (2) *	Premiere Pro	Visual Design Using Photoshop	
		Digital Audio Technology I (1)		visual besign osing Photoshop	
		Principles of Business and Marketing Finance (1)			
	Accounting and Financial Services	Accounting I (1)	Intuit QuickBooks Certified User	YES	
	Accounting and Financial Services	Accounting 2 (1) *	intuit Quickbooks Certified Oser	11.5	
		Financial Mathematics (1) *			
	Business Management	Principles of Business and Marketing Finance (1)			
		Business Information Management I (1)	MOS Word	YES*, MOS Word Expert	
HEIGHTS		Business Information Management II (1)	WOS WOID	res , MOS Word Expert	
HEIGHIS		Business Management (1)*			
		Energy and Power of Transportation Systems (1) *			
(Jordan Career Center)		Automotive Basics (1)			
(Jordan Career Center)	Automotive	Automotive Technology I (2) *	ASE Brakes Entry Level, ASE Refrigerant Recovery and Recycling	YES	
		Automotive Technology II (2)* OR			
		Practicum in Transportation Systems (2)*			
		Web Game Development (1) *			
	Web Development	Web Design (1) *		NOCTI Web Design - Job Ready	(Cold Start)
		Independent Study In Technology Applications (1) *			(22.2.2.1)
		Project Based Research (1) *			
		Principles of Applied Engineering (1)			
	Advanced Manufacturing and Machinery Mechanics	Engineering Design and Presentation I (1) *	OSHA 30 General	YES*	
		Robotics I (1)		·	
		Robotics II (1) *			
		Principles of Health Science (1)			
	Healthcare Diagnostics	Health Science Theory (1) *	Certified EKG Technician, Patient Care Technician	YES	
		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
нѕ⊔	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
		Principles of Arts A/V Technology and Communication (1)		Adoles Contified Destantant in Digital Mides Hales Adoles	
LICD\/A	Digital Communications	Digital Communications in the 21st Century (1)		Adobe Certified Professional in Digital Video Using Adobe Premiere Proj, Adobe Certified Professional in Visual	
HSPVA	Digital Communications	Audio/Video Production I (1)			
		Audio/Video Production II (1)*	Design Using Photoshop		

C	Program of Study	2022-2023 CTE Course Sequence (credit value)	Industry Based Certification Types Earned - 21/22	Program of Study Alignment 22/23	Implementation
Campus	Program or study	Principles of Construction (1)	muusti y Baseu Certification Types Earneu - 21/22	Program of Study Alignment 22/25	Implementation
		Plumbing Technology I (1)		NO NICCED Dis-Station Local I/Disserbian Local LOCAL 20	
	Plumbing and Pipefitting	Plumbing Technology II (2)*	NCCER Core Level I	NO, NCCER Pipefitting Level I/Plumbing Level I, OSHA 30	
				Hour General OR Construction*	
		Practicum in Construction Technology (2)*			
		Business Information Management I (1)			
	Business Management	Business Information Management II w/Lab (2)	MOS Word, MOS Excel	YES* [MOS Word Expert, MOS Excel Expert]	
		Business Management *(1) AND Human Resources Management (0.5)* AND Global Business* (0.5)	0.5)		
		Practicum in Business Management (2)*			
		Principles of Arts, A/V Technology, and Communications (1)			
	Graphic Design and Multimedia Arts	Graphic Design and Illustration I (1)	Adobe Certified Associate Photoshop	YES [Adobe Certified Professional in Visual Design Using	
		Graphic Design and Illustration II w/Lab (2)*		Photoshop]	
		Practicum in Entrepreneurship (2)*^			
		Principles of Arts, A/V Technology, and Communications (1)		Adobe Certified Professional in Digital Video Using Adobe	
	Digital Communications	Audio/Video Production I (1)		Premiere Pro], Adobe Certified Professional in Visual	
	- 8	Audio/Video Production II w/Lab (2)*		Design Using Photoshop	
		Practicum in Entrepreneurship (2)*^			
	Automotive	Principles of Transportation Systems (1)	ASE Maintenance and Light Repair Entry Level, ASE Refrigerant Recovery and Recycling	YES	
		Automotive Basics (1)			
HOUSTON MSTC		Automotive Technology I (2)*			
		Automotive Technology II (2)* OR Practicum in Transport. Systems (2)*			
(1 1 6 6 1)	Networking Systems	Principles of Information Technology (1)	MTA Windows Operating System Fundamentals	CompTIA A+/Network+/Server+, Cisco CCNA *(200-301), Cisco 100-490 RSTECH	
(Jordan Career Center)		Computer Maintenance w/ Lab (2)			(DSA needed)
		Networking w/ Lab (2)*			
		Computer Technician Practicum (2)*			
		Robotics I (1)			
	Drone (Unammed Flight)	Robotics II (2)*		FAA Part 107 Remote Drone Pilot	
		Introduction to Unmanned Aerial Vehicles (1)^			
		Practicum in Manufacturing (2) *			
		Fundamentals of Computer Science (1)			
	Programming and Software Development	Computer Science I (1)		Certified Entry-Level Python Programmer (PCEP)	(DSA needed)
		Computer Sciece II (1)*			, , , , , , , , , , , , , , , , , , , ,
		Computer Science III (1)*			
		Principles of Health Science (1)			
	Healthcare Diagnostics	Medical Terminology (1)	Certified Clinical Medical Assistant	YES	
		Health Science Theory* (1) AND Anatomy and Physiology* (1)			
		Practicum in Health Science (2)*			
		Introduction to Cosmetology (1)			
	Cosmetology	Cosmetology I (2)*	Cosmetology Operator License	YES	
	22320069	Nail Care, Enhancements and Spa Services (2)^	Sperder Beense	. 25	
		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
		Principles of Architecture (1)			
	Architectural Design	Architectural Design I (1)	Autodesk Certified Professional or User AutoCAD	YES, Autodesk Associate (Certified User) AutoCAD, Autodesk Certified Professional in AutoCAD for Design and	
	Architectural Design	Architectural Design II (2)*	Autodesk Certified Professional or Oser AutoCAD	Drafting	
		Practicum in Architectural Design (2)*		Draiting	
	HVAC and Sheet Metal (PTECH 22/23)	Principles of Construction (1)		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 1 (1)	OSHA 30 Hour General		
JONES		Heating, Ventilation, and Air Conditioning and Refr. Tech II (2)			
		Practicum in Construction Technology (2)*			
		Principles of Health Science (1)			
		Health Science Theory (1)*	Phlebotomy Technician, Certified EKG Technician, Certified Clinical		
	Healthcare Diagnostics	Anatomy and Physiology (1)*	Medical Assistant	YES	
		Practicum in Health Science (2)* OR	Wedical Assistant		
		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
		CTE Options on Home Campus			
		CTE Options on Home Campus			
	Construction Management and Inspection	Construction Management I (2)	NCCER Core Level I	YES	
		Construction Management II (2)*			
		CTE Options on Home Campus			
		CTE Options on Home Campus			
	Marketing and Sales	Retail Management (1)* AND	Entrepreneurship and Small Business	YES	
		Entrepreneurship (1)	· · ·		
		Advanced Marketing (2)*			
		CTE Options on Home Campus			
		CTE Options on Home Campus			
	Culinary Arts	Culinary Arts (2)	ServSafe Manager	YES	
		Advanced Culinary Arts (2)*			
		CTE Options on Home Campus			
		CTE Options on Home Campus	ASE Refrigerant Recovery and Recycling, ASE Maintenance and Light		
	Automotive	Automotive Technology I DCH (2)*	Repair Entry Level (plus level 1 workforce certificates via college)	YES	
		Automotive Technology II DCH (2)*			
		CTE Options on Home Campus			
		CTE Options on Home Campus			
	Architectural Design	Principles of Architectural Design (1) AND Architectural Design I (1)		Autodesk Associate (Certified User) AutoCAD	
		Architectural Design II (2)*			
		CTE Options on Home Campus			
	Electrical	CTE Options on Home Campus		NCCER Core Level I, NCCER Electrical Level I, OSHA 30 Hour	
		Principles of Construction (1) AND Electrical Technology I (1)		General*	
		Electrical Technology II (2)*			
Barbara Jordan Career		CTE Options on Home Campus			
	Refining & Chemical Processes	CTE Options on Home Campus			
Center		Principles of Applied Engineering (1) AND Applied Mathematics for Technical Professionals (1)*		NCCER Instrumentation Level I	
		Introduction to Process Technology (1) AND Petrochemical Safety, Health, and Environment (1)*	1		
		CTE Options on Home Campus		YES [NCCER Core Level I, NCCER Welding Level I. AWS Sense]	
		CTE Options on Home Campus			
	Welding	Welding I (2) DCH	NCCER Welding Level I		
		Welding II (2)* DCH			
		CTE Options on Home Campus			
	Teaching and Training	CTE Options on Home Campus	Educational Aide I		
	reaching and Training	Principles of Education and Training (1) AND Child Development (1)	Educational Aide I	YES	
		Instructional Practices (2)*			
		CTE Options on Home Campus			
		CTE Options on Home Campus			
	Cosmetology	Cosmetology I (2)* AND	Cosmetology Operator's License	YES	
		Nail Care, Enhancements and Spa Services (1)^			
		Cosmetology II (2)* AND Principles of Cosmetology Design and Color Theory (1)			
		CTE Options on Home Campus			
		CTE Options on Home Campus			
	Government and Public Administration	Political Science I (1) AND		NONE	
		Planning and Governance (1)*			
		Political Science II (1)* AND			
		Public Management and Administration (1)*			
		CTE Options on Home Campus			
		CTE Options on Home Campus	0.15.101.1.101.1.10	1470	
	Healthcare Diagnostics	Principles of Health Science (1) AND	Certified Clinical Medical Assistant	YES	
		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
		Principles of Arts, A/V Technology and Communications (1)			
	Graphic Design and Multimedia Arts	Graphic Design and Illustration I (1)		Adobe Certified Professional in Visual Design Using	
KASHMERE G	Graphic Design and Multimedia Arts	Animation I (1)		Photoshop	
		Animation II (1)*			
	Graphic Design and Multimedia Arts (Futures)	Principles of Arts, A/V Technology and Communications (1)			
		Graphic Design and Illustration DCH (1)		Adobe Certified Professional in Visual Design Using Photoshop	
	Graphic Design and Multimedia Arts (Futures)	Animation I DCH (1)			
		Practicum in Graphic Design and Illustration DCH (2)*			
		Business Information Management I (1)			
	Entrepreneurship	Entrepreneurship I (1)	MOS Word	Entrepreneurship and Small Business	
	Entrepreneursnip	Entrepreneurship II (1)^	MOS Word	Entrepreneurship and Small Business	
		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
·		Principles of Arts, A/V Technology, and Communications (1)			
		Graphic Design and Illustration I (1)		YES [Adobe Certified Professional in Visual Design Using	
	Graohic Design and Multimedia Arts	Graphic Design and Illustration II (1)*	Adobe Certified Associate Photoshop	Photoshop]	
		Commercial Photography I (1)			
		Principles of Arts, A/V Technology, and Communications (1)			
		Audio/Video Production I (1)		YES [Adobe Certified Professional in Digital Video Using	
	Digital Communications	Audio/Video Production II (1)*	Adobe Certified Associate Premiere Pro	Adobe Premiere Pro], Adobe Certified Professional in Visual Design Using Photoshop	
		Digital Audio Technology I (1)			
		Principles of Business, Marketing and Finance (1)			
		Money Matters (1)			
	Accounting and Financial Services	Accounting I (1)	MOS Excel Expert, Quickbooks Certified User	YES	
		Accounting II (2)*	7		
		Principles of Business, Marketing and Finance (1)			
		Business Information Management I (1)	-		
	Business Management	Business Management (1)*	Entrepreneurship and Small Business, MOS Word, MOS Expert	YES [MOS Word Expert]	
		Practicum of Business Management (2)* OR	Word		
		Global Business (0.5) * AND Human Resources Management (0.5)*			
		Principles of Hospitality and Tourism (1)			
		Introduction to Culinary Arts (1)			
	Culinary Arts	Culinary Arts (2)		ServSafe Manager	
		Food Science (1) * OR Practicum in Culinary Arts (2)*	1		
	Lodging and Resort Management	Principles of Hospitality and Tourism (1)			
		Hotel Management (1)	1		
		Travel and Tourism (1)		Certified Hospitality and Tourism Professional	
		Hospitality Services (2)* OR Practicum in Hospitality Services (2)*	1		
LAMAR		Principles of Agriculture, Food and Natural Resources (1)			
	Animal Science	Livestock Production (1)*			
		Veterinary Medical Applications (1)* OR	Certified Veterinary Assistant Level 1	YES	
		Equine Science (0.5) AND Small Animal Management (0.5)			
		Advanced Animal Science (1)* OR Practicum in Agriculture, Food, and Natural Resources (2)*			
		Principles of Agriculture, Food and Natural Resources (1)			
		Floral Design (1)*			
	Plant Science	Landscape Design and Management (0.5) AND	Texas State Floral Association Floral Skills Knowledge Based	YES [TSFA Level 1 Floral Certification]	
		Turf Grass Management (0.5)			
		Horticultural Science (1) OR Practicum in Agriculture, Food, and Natural Resources (2)*			
		Principles of Applied Engineering (1)			
	Engineering	Engineering Design and Presentation I (1)*	Autodesk Certified Professional or User AutoCAD	YES	
	Liigilieeriiig	Engineering Science (1)*	Autodesk Certified Professional of Oser AutoCAD	15	
		Engineering Design and Presentation II (2)* OR Practicum in STEM (2)*			
		AP Computer Science Principles (1)			
	Programming and Software Development	Computer Science I PREIB (1)		Certified Entry-Level Python Programmer (PCEP)	(DSA needed)
	r rogramming and software Development	IB Computer Science Standard Level, Year 1 (1)*		Certified Entry-Leverry (11011 Programmer (PCEP)	(DJA Heeded)
		IB Computer Science Standard Level, Year 1 (1)*			
		Principles of Exercise Science and Wellness (1)^			
	Exercise Science and Wellness	Kinesiology I (1)^		Certified Personal Trainer, Pre-Professional Certification in	(Cold Start)
	Exercise Science and Wenness	Kinesiology II (1)^		Nutrition, Food, Wellness	(Colu Staft)
		Practicum in Entrepreneurship (2)*^			
		Principles of Human Services (1)			
	Family and Community Services	Human Growth and Development (1)	OSHA 30 General	Child Development Associate	
	railing and community Services	Child Development (1)	OSHA SU General	Cilia Developinent Associate	
		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		Principles of Arts, A/V Technology, and Communications (1)	Adobe Certified Professional in Graphic Design and		
	Graphic Design and Multimedia Arts	Graphic Design and Illustration I (1)			
		Graphic Design and Illustration II (1)*	Illustration Using Adobe Illustrator		

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
LONIC ACADENAY		Principles of Biosciences (1)			
	Biomedical Science	Biotechnology I (1)		Medical Laboratory Assistant, Medical Laboratory Technician	(C-14 C+-+)
LONG ACADEMY	Biomedical Science	Pathophysiology (1)*			(Cold Start)
		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
		Principles of Information Technology (1)			
	Networking Systems	Internetworking Technologies I (1)^		CompTIA A+/Network+/Server+, Cisco CCNA *(200-301),	(DSA needed)
		Internetworking Technologies II (1) *^		Cisco 100-490 RSTECH	(DSA needed)
		Career Preparation I (2)*			
		Principles of Transportation Systems (1)			
	Automotive	Energy and Power of Transportation Systems (1)*		ASE Maintenance and Light Repair Entry Level, ASE	
	Automotive	Automotive Technology I: Maintenance and Light Repair (2)*		Refrigerant Recovery and Recycling	
		Automotive Technology II: Automotive Service (2)*			
		Principles of Agriculture, Food and Natural Resources (1)		Certified Veterinary Assistant Level 1, Elanco	
	Animal Science	Livestock Production (1)*		Fundamentals of Animal Science, Licensed Veterinary	
	Allillai Science	Veterinary Medical Applications (1)*		Fundamentals of Animal Science, Licensed Veterinary Technician	
		Advanced Animal Science (1)*		recinician	
	Advanced Manufacturing and Machinery Mechanics	Principles of Applied Engineering (1)			
		Robotics I (1)		OSHA 30 General*	
		Engineering Design and Presentation I (1)*			
MADISON		Robotics II (1)*			
IVIADISON	Welding	Introduction to Welding (1)		NCCER Core Level I, NCCER Welding Level I	
		Welding I (2)			
		Welding II (2)*			
		Practicum in Manufacturing (2)*			
		Principles of Applied Engineering (1)			
	Engineering	Engineering Design and Presentation I (1)*		Autodesk Associate (Certified User) Inventor for	
	zingineering	Engineering Design and Presentation II (2)*		Mechanical Design, Certified SOLIDWORKS Associate*	
		Engineering Design and Problem Solving (1)*			
		Principles of Health Science (1)			
	Healthcare Diagnostics	Health Science Theory (1)*		Certified Clinical Medical Assistant	
	Treatment Diagnostics	Anatomy and Physiology (1)*		Cortined Cimical Medical Assistant	
		Practicum in Health Science (2)*			
		Introduction to Cosmetology (1)			
	Cosmetology	Principles of Cosmetology Design and Color (1)		Cosmetology Operator License	
	203.112.101057	Cosmetology I (2)*		cosmictology operator literate	
		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
		Digital Media (1)		Adobe Certified Professional in Graphic Design Using Photoshop	
	Countrie Design and Marchine and Australia	Digital Design and Media Production (1)	Adaba Castified Assessate Diseases		
	Graphic Design and Multimedia Arts	Career Preparation I (2)*	Adobe Certified Associate Photoshop		
MICKEY LELAND CPA		NONE			
WICKET LELAND CPA		Fundamentals of Computer Science (1)			
	Programming and Software Development	AP Computer Science Principles (1)		Certified Entry-Level Python Programmer (PCEP)	(DSA needed)
	Programming and software Development	AP Computer Science A (1)*	Certified Entry-Level Python	Certified Entry-Level Fython Flogrammer (FCEF)	(DSA needed)
		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
	HS at Programming and Software Development	Fundamentals of Computer Science (1)			
MIDDLE COLLEGE HS at		Computer Science I (1)	MOS Word	NO, Certified Entry-Level Python Programmer (PCEP)	(DSA needed)
HCC GULFTON	Programming and Software Development	Computer Science II (1)*		NO, Certified Entry-Level Fython Frogrammer (FCEF)	(D3A fieeded)
TICE GOLI TON		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
	Marketing and Sales	Principles of Business, Marketing, and Finance (1)		NO, NO, Entrepreneurship and Small Business	
MIDDLE COLLEGE HS at		Virtual Business (0.5) AND Advertising (0.5)*	MOS Word, MOS Word Expert		
HCC FRAGA		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
		CTE Options on Home Campus			
	Carpentry	CTE Options on Home Campus	NCCER Core Level I, OSHA 30 Construction*	YES, NO* (NCCER Carpentry Level I)	
	Carpentry	Construction Technology I (2)	NCCER Core Level I, OSHA 30 Construction"	FES, NO (NCCER Carpentry Level I)	
		Construction Technology II (2)*			
		Principles of Construction (1)		NCCER Core Level I, NCCER HVAC Level I, Refrigerant	
	HVAC and Sheet Metal	HVAC and Refrigeration Technology I (1)		Handling EPA 608	
		HVAC and Refrigeration I Technology II (2)*		Handing Er A 000	
		Introduction to Culinary Arts (1)			
	Culinary Arts	Foundations of Restaurant Management (1)	ConsCofo Manager	Con Cofe Manager	
	Culliary Arts	Culinary Arts (2)	Servadre ividriager	Servsare ividrager	
		Advanced Culinary Arts (2)*			
	Culinary Arts Culinary Arts (2) Culinary Arts (2) ServSate Manager ServSate Manager				
	Malding	Welding I (2)	AWE Conce Wolding Loyal I	AWE Conso Wolding Lovel I	
	weiding	Welding II (2)*	AWE selise Welding Level I	AWE Selise Welding Level I	
			Welding I (2) Welding II (2)* NONE Fundamentals of Computer Science (1) AP Computer Science Principles (1) Computer Science (1(1)) MTA Introduction to Programming Using Python Computer Science (1(1)) MTA Introduction to Programming Using Python Comp TIA A+/Network+/Security+ (DSA not programming Using Python)		
MILBY					
	Cybersecurity		MTA Introduction to Programming Using Buthon	Comp TIA A+/Network+/Security+	(DSA needed)
	Cybersecurity		WITA Introduction to Programming Using Python	comp ha ary network ry security r	(DSA ficeded)
	Welding il (2)*				
		Principles of Applied Engineering (1)			
	Engineering	Engineering Design and Presentation I (1)*	OSHA 30 General	Autodesk Associate (Certified User) Inventor for	
	Liighteering	Engineering Design and Presentation II (2)*	OSTIA 30 GENERAL	Mechanical Design, Certified SOLIDWORKS Associate*	
		Engineering Design and Problem Solving (1)*			
		Principles of Health Science (1)			
	Healthcare Diagnostics	Medical Terminology (1)	Clinical Medical Assistant	YES, Pharmacy Technician	
	Treatment Blagmostics	Health Science Theory with Clinical (2)*	cilifical Fredical Fishing	res, marriacy recrimedia	
		Practicum in Health Science (2)*			
		Introduction to Cosmetology (1)			
	Cosmetology	Principles of Cosmetology Design and Color Theory (1)		Cosmetology Operator License	
	Cosmetology	Cosmetology I (2) * OR Nail Care, Enhancements, and Spa Svcs (1)^		Cosmetology Operator License	
		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
		Medical Terminology (1)			
MOUNT CARMEL	Health Informatics	Business Information Management I (1)		Medical Billing and Coding Specialist	
ACADEMY	Health Informatics	Health Informatics (1)*		Medical Billing and Coding Specialist	
710/13/21111		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
		Principles of Business, Marketing and Finance (1)			
	Fotomorphic	Entrepreneurship (1)	Fatanasa and Carall Business MOC Wood	VEC NO	
Entrepreneurship III (1)* Project Brood Bengang (1)* (Di Projectium) in Estrepreneurship (2)*					
NORTH HOUSTON FOUS		Project Based Research (1)* OR Practicum in Entrepreneurship (2)*		YES, NO	
NORTH HOUSTON ECHS		Principles of Government and Public Administration (1)			
	Government and Public Administration	Political Science I (1)			ALTERNATE CCMR
	Government and Public Administration	Dimensions of Diplomacy (1)*^		NONE	ALTERNATE CCIVIR
		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
		Principles of Construction (1)			
	HVAC and Sheet Metal (DCH)	HVAC and Refrigeration Technology I (1)	Refrigerant Handling EPA 608 [25 current seniors]	VIII (VICORID C	
	HVAC and Sheet Wetal (DCH)	HVAC and Refrigeration Technology II (2)*	Kerilgerant Handling EPA 608 [25 Current Seniors]	TES (NCCER COTE LEVEL 1)	
		Practicum in Construction Technology (2)*			
		Principles of Information Technology (1)			
	Networking Systems	Internetworking Technologies I (1)	MOS Word/Excel	NO (Cisco 100-490/200-301, CompTIA Network+)	(DSA needed)
	Networking Systems	Internetworking Technologies II (1)*	WIOS WOIG/Excel		(DSA ficeded)
_		Career Preparation I (2)*			
	Automotive	Principles of Transportations Systems (1)	ASE Maintenance Light and Light Repair Entry Level, ASE Refrigerant Recovery and Recycling		
NORTH FOREST		Energy, Power and Transportation Systems (1)		VES	
NORTHFOREST		Automotive Basics (1)		10	
		Career Preparation I (2)*		VES (NCCER Core Level 1) NO (Cisco 100-490/200-301, CompTIA Network+)	
		Principles of Agriculture, Food and Natural Resources (1)			
	Animal Science	Livestock Production (1)*	OSHA 30 General, Certified Veterinary Assistant	(NO) VES [Flanco Animal Science Cert]	
	Annua Science	Veterinary Medical Applications (1)*	osini so delicial, ecitilica veterinary rissistant	(NO) TES (Elanco / Illinia Science cert)	
		Practicum in Agriculture, Food and Natural Resources (2)*			
		Principles of Law, Public Safety, Corrections and Security (1)			
	Emergency Services	Disaster Response (1)^	OSHA 30 General		
	Lineigency services	Firefighter I (2)*	OSHA 30 General	Response*, IAED Emergency Telecommunicator)	
		Anatomy and Physiology (1)*		VES (NCCER Core Level 1) NO (Cisco 100-490/200-301, CompTIA Network+) YES (NO) YES [Elanco Animal Science Cert] NO (OSHA Hazardous Waste Operations and Emergency	

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
		Principles of Arts, A/V Technology And Communications (1)		Adaba Castified Desferoland in Dieltel Mides Heles Adaba	
	Digital Communications	Audio/ Video Production I (1)			
	Digital Communications	Audio/ Video Production II (1)*			
		Practicum in Audio/ Video Production (2)*		besign osing Photoshop,	
		Principles of Arts, A/V Technology And Communications (1)			
	Granbic Design and Multimedia Arts	Digital Media (1) OR Graphic Design and Illustration I (1)	Adobe Certified Associate Photoshop	VEC	
	Graphic Design and Multimedia Arts	Graphic Design and Illust. I DCH (2) OR Graphic Design and Illust. II (2)	Adobe Certified Associate Priotosilop	TES .	
		Graphic Design and Illust. II DCH (2)* OR Practicum in Audio/ Video Production (2)*			
	Culinary Arts	Principles of Hospitality and Tourism (1)			
NORTHSIDE		Introduction to Culinary Arts (1)		Con Cofo Manager	
NORTHSIDE		Culinary Arts (2)		Servsare iviariager	
		Practicum in Culinary Arts (2)*			
		Principles of Hospitality and Tourism (1)		Adobe Certified Professional in Digital Video Using Adobe Premiere Pro, Adobe Certified Professional in Visual Design Using Photoshop, YES ServSafe Manager YES	
	Lodging and Report Management	Hotel Management (1)	Certified Hospitality and Tourism Management Professional		
	Loughig and Resort Management	Hospitality Services (2)*	Certified Hospitality and Tourish Wallagement Professional	15	
		Practicum in Hospitality Services (2)*			
		Principles of Information Technology (1)			
	Cybersecurity	Internetworking Technologies (1)^		Comp TIA A+/Network+/Security+	(DSA needed)
	Cybersecurity	Networking (1)*		Comp the Att Network Ty Security T	(DJA Heeded)
	Cybersecurity Graphic Design and Multimedia Arts Culinary Arts Lodging and Resort Management	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
		Principles of Construction (1)			
	INVAC and Characteria	HVAC and Refrigeration Technology I (1)	Defelement Headilles FDA COO OCHA 20 Canatamatica	VEC NO NECED Complete NECED INVACIONAL	
	HVAC and Sheet ivietal	HVAC and Refrigeration Technology II (2)*	Refrigerant Handling EPA 608, OSHA 30 Construction	YES, NO, NCCER CORE LEVEL I, NCCER HVAC LEVEL I	
-		Practicum in Construction Technology (2)*			
	Durkey Manager	Principles of Business, Marketing and Finance (1)			
SCARROBOLICII		Business Information Management I (1)		MOS Word Expert, MOS Excel Expert, Entrepreneurship	
SCARBOROUGH	Business Management	Business Management (1)*		and Small Business	
		Practicum in Business Management (2)*			
	BOROUGH HVAC and Sheet Metal HVAC and Refrigeration Technology 1 (1) HVAC and Refrigeration Technology 1 (2)*				
	Tooching and Training	Human Growth and Development (1)	Educational Aida I	VEC	
	reaching and training	Instructional Practices (2)*	Educational Aide i	TES	
		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
		Principles of Agriculture, Food, and Natural Resources (1)			
	Plant Science	Horticultural Science (1)*		TSFA Level 1 Floral Certification	
	Plant Science	Floral Design I (1)*		13FA Level 1 Floral Certification	
		Advanced Floral Design (1)*^ OR Advanced Plant and Soil Science (1)*			
		Digital Media (1) OR Video Game Design (1)			
	Graphic Design and Multimedia Arts	Animation I (1)		Adobe Certified Professional in Graphic Design and	
	Graphic Design and Multimedia Arts	Animation II (1)*		Illustration Using Adobe Illustrator	
SHARPSTOWN		Practicum in Audio/Video Production (2)*			
SHARPSTOWN		Principles of Arts, A/V Technology and Communications (1)		Adobe Certified Professional in Digital Video Using Adobe	
	Digital Communications	Audio/Video Production I (1)		Premiere Pro, Adobe Certified Professional in Visual	
	Digital Communications	Audio/Video Production II (1)*		Design Using Photoshop,	
		Practicum in Audio/Video Production (2)* OR Practicum in Entrepreneurship (2)*^		Design Osing Photoshop,	
		Principles of Health Science (1)			
	Healthcare Diagnostics	Medical Terminology (1)	Clinical Medical Assistant, Medical Billing and Coding	YES, NO	
	ricaldicare Diagnostics	Health Science Theory (1)*	Cilinical Medical Assistant, Medical Billing and County	123, NO	
		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
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Principles of Arts, AV Technology and Communications (1)	, , , , , , , , , , , , , , , , , , , ,		,
	Consider Dealers and Markins alle Anto	Graphic Design and Illustration I (1)	Adaba Castified Associate III setura	YES [Adobe Certified Professional in Graphic Design Using	
	Graphic Design and Multimedia Arts	Graphic Design and Illustration II (1)*	Adobe Certified Associate Illustrator	Photoshop]	
	Principles of Arts, AV Technology and Communications (1) Graphic Design and Multimedia Arts Graphic Design and Multimedia Arts				
		Business Information Management I (1)			
	Entropropourchin	Entrepreneurship I (1)		Entrepreneurship and Small Business	
	Entrepreneursnip	Entrepreneurship II (1)*		entrepreneursing and small business	
SHARPSTOWN		Project-Based Research (1)*			
INTERNATIONAL		Principles of Applied Engineering (1)			
	Advanced Manufacturing and Machinery Mechanics	Manufacturing Engineering Technology I (1)		OSHA 30 General*	
	Advanced Mandiacturing and Machinery Mechanics	Engineering Design and Presentation I (1)*		OSHA SU Gelleral	
		Career Preparation I (2)*			
		Computer Science I (1)			
	Brogramming and Software Development	AP Computer Science Principles (1)		Certified Entry-Level Python Programmer (PCEP)	(DSA needed)
	r rogramming and software Development	IB Computer Science SL1 (1)*		Certified Litery-Level Fytholi Programmer (PCEP)	(DSA needed)
		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
		Business Information Management I (1)			
	D	Business Information Management II (1)		MOS Word Expert, MOS Excel Expert, Entrepreneurship	
	Business Management	Business Management (1)*		and Small Business	
SOUTH EARLY COLLEGE		Statistics and Business Decision Making (1)*			
HS		Engineering Essentials (1) (PLTW)^			
	Engineering	Introduction to Engineering Design (PLTW) (1)^		Autodesk Associate (Certified User) Inventor for	
	Engineering	Engineering Science (1)*		Mechanical Design, Certified SOLIDWORKS Associate*	
		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
		Business Information Management I (1)			
	Business Management	Business Information Management II (1)	MOS Word, MOS Word Expert, MOS Excel, MOS Excel Expert	NOT VEC NOT VEC	
	Business Management	Business Management (1)*	MOS Word, MOS Word Expert, MOS Excel, MOS Excel Expert	NO", YES, NO", YES	
		Practicum in Business Management (2)* OR Career Prep I (2)*		NO*, YES, NO*, YES YES YES NO, Aerospace Manufacturing Certification, OSHA 30 General*	
		Introduction to Welding (1)			
	Welding	Welding I (2)	NCCER Welding Level I, NCCER Core Level I	YES	
	weiding	Welding II (2)*	NCCER Weiding Level I, NCCER Core Level I		
		Practicum in Manufactumig (2)* Principles of Transportation Systems (1)			
	Automotive	Principles of Transportation Systems (1)	ASE Painting and Refinishing Entry Level, ASE Refrigerant Recovery and Recycling		
STERLING		Automotive Technology I: Maintenance and Light Repair (2)*		YES	
		Automotive Technology II: Automotive Services (2)*	and necycling		
		Introduction to Aircraft Technology (1)			
	Aviation Maintenance	Aircraft Airframe Technology (2)*	FAA 107 Remote Drone Pilot	NO*, YES, NO*, YES YES NO, Aerospace Manufacturing Certification, OSHA 30 General*	(Cold Start AMC)
	Aviation Waintenance	Aircraft Powerplant Technology (2)*	TAX 107 Remote Dione Filot		
		Practicum in Transportation Systems (2)*			
		Principles of Law, Public Safety, Corrections and Security (1)			
	Law Enforcement	Law Enforcement I (1)		VEC	
	Law Emorcement	Law Enforcement II (1)*	Non-commissioned Security Officer Level II	YES YES 10, Aerospace Manufacturing Certification, OSHA 30 General* (Cold Start	
		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
		Digital Media (1)			
	Graphic Design and Multimedia Arts	Graphic Design and Illustration I (1)	Adoba Cartified Associate Photoshop	VEC	
	Graphic Design and Multimedia Arts Digital Communications Business Management Automotive Information Technology Support and Services Engineering	Graphic Design and Illustration II (1)*	Adobe Certified Associate Photosilop	YES	
		Digital Art and Animation (1)*	Adobe Certified Associate Photoshop YES Adobe Certified Associate Premiere Pro YES ADOBE ASSOCIATE AS		
		Principles of Arts, AV Technology and Communications (1)			
	Digital Communications	Audio/Video Production I (1)	Adaha Cartified Associate Dromiero Dro	VEC	
	Digital Communications	Audio/Video Production II (1)*	Adobe Certified Associate Freiffiere Fro	163	
		Practicum in Audio/Video Production (2)*		YES NO*, YES, NO*, YES ASE Maintenance Light and Light Repair Entry Level, ASE Refrigerant Recovery and Recycling CompTIA A+, CompTIA Fundamentals+ Autodesk Associate (Certified User) Inventor for Mechanical Design, Certified SOLIDWORKS Associate*	
		Principles of Business, Marketing, and Finance (1)			
	Rusiness Management	Business Information Management I (1)	MOS Word, MOS Word Expert, MOS Excel, MOS Excel Expert	NOT VEC NOT VEC	
	busiliess ivianagement	Business Information Management II (1)		NO , TES, NO , TES	
		Practicum in Business Management (2)* OR Career Preparation I (2)*			
	Automotive	Principles of Transportation Systems (1)	ASE Refrigerant Recovery and Recycling		
WALTRIP		Energy and Power of Transportation Systems (1) *			
		Automotive Technology I: Maintenance and Light Repair (2) *			
		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) Audio/Video Production I (1)* Practicum in Audio/Video Production I (1)* Practicum in Audio/Video Production I (1)* Practicum in Business Information Management I (1) Practicum in Business Management I (2)* Principles of Transportation Systems (1)* Energy and Power of Transportation Systems (1)* Asserting and Power of Transportation Systems (1)* Raster Based Geographic Information Systems (1)* Practicum in Information Technology (1) Geographic Information Systems (1)* Practicum in Information Technology (2)* Principles of Applied Engineering (1) Asserting and Power of Transportation Systems (1)* CompTIA A+, CompTIA Full Manufacturing Engineering Technology (2)* Practicum in Information Technology (2)* Principles of Applied Engineering (1) Manufacturing Engineering Technology (2) Practicum in Science, Technology, Engineering and Mathematics (2)* Principles of Health Science (1) Medical Terminology (1) Pactified Clinical Medical Terminology (1) Certified Clinical Medical Clinical Medical Terminology (1)			
	Information Technology Support and Society	Geographic Information Systems (1)^ *		YES NO*, YES, NO*, YES ASE Maintenance Light and Light Repair Entry Level, ASE Refrigerant Recovery and Recycling CompTIA A+, CompTIA Fundamentals+ Autodesk Associate (Certified User) Inventor for Mechanical Design, Certified SOLIDWORKS Associate*	(DSA needed)
	information reciniology support and services	Raster Based Geographic Information Systems (1) [^]			(D3A fieeded)
		Practicum in Information Technology (2)*			
		Principles of Applied Engineering (1)			
	Engineering	Manufacturing Engineering Technology (1)	Certified SOLIDWORKS Associate	Autodesk Associate (Certified User) Inventor for	
	Lingilieering	Engineering Design and Presentation I (1) *	Certified SOLIDWORKS Associate	Mechanical Design, Certified SOLIDWORKS Associate*	
		Practicum in Science, Technology, Engineering and Mathematics (2)*			
	Healthcare Thereneutics	Medical Terminology (1)		Cortified Clinical Maddical Assistant	
	neartificare Therapeutics	Health Science Theory (1)*		Certinea Cimical Medical Assistant	
		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	
		Principles of Agriculture, Food and Natural Resources (1)				
	Animal Science	Livestock Production (1)*	NONE	Certified Veterinary Assistant, Elanco Animal Science		
	Animai Science	Veterinary Medical Applications (1)*	NONE	Certification		
		Advanced Animal Science (1)*		Certified Veterinary Assistant, Elanco Animal Science Certification YES NO (Cisco 100-490/200-301, CompTIA Network+)		
WASHINGTON	Carpentry	Principles of Construction (1)				
		Construction Technology I (2)	NCCER Core Level I	YES		
		Construction Technology II (2)*	NCCER COTE LEVELT			
		Practicum in Construction Technology (2)*				
		Principles of Information Technology (1)		Certified Veterinary Assistant, Elanco Animal Science Certification YES NO (Cisco 100-490/200-301, CompTIA Network+)		
	Networking Systems	Computer Maintenance (1)	MTA Networking Fundamentals		(DSA needed)	
	Networking Systems	Networking (1)	WITA Networking Fundamentals NO (Cisco 100-490/200-301, Compilia Network+)		NO (CISCO 100-490/200-301, Compila Network+)	(D3A fieeded)
		Advanced Cloud Computing (1)*^				
		Principles of Applied Engineering (1)				
	Engineering	Engineering Design and Presentation I (1)*	Certified SOLIDWORKS Associate, FAA Part 107 Remote Drone Pilot	VEC NO		
	Liigiideriiig	Engineering Design and Problem Solving (1)*	Certified Socioworks Associate, PAR Part 107 Relified Diolle Pilot	ILS, NO		
		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
		Principles of Business Marketing and Finance (1)			
	Business Management	Business Information Management I (1)	MOS Word, MOS Excel	YES*, YES*, MOS Word Expert, MOS Excel Expert	
	Business Management	Business Information Management II (1)	MOS Word, MOS Excel	TES , TES , INIOS WOLU EXPELT, MOS EXCELEXPELT	
		Practicum in Business Management (2)* OR Business Management (1)*			
		Principles of Information Technology (1)			
	Web Development	Web Design (1)*	MTA Introduction to Programming Using HTML and CSS, Unity	(discontinued) NOCTI Mob Design CMMAADA	(Cold Start)
	web Development	Web Game Development (1)*	Certified Programmer	(discontinued), NOCTI Web Design, CWMADA (C	(Cold Start)
		Project Based Research (1)*			
		Principles of Transportation Systems (1)	ASE Brakes Entry Level, ASE Electrical/Electronic Systems Entry	ASE Brakes Entry Level, ASE Electrical/Electronic Systems Entry Level, ASE HVAC Entry Level, ASE Maintenance and	
	Automotive	Automotive Basics (1)	Level, ASE HVAC Entry Level, ASE Maintenance and Light Repair		
	Automotive	Automotive Technology I: Maintenance and Light Repair (2)*	Entry Level, ASE Refrigerant Recovery and Recycling, ASE	Light Repair Entry Level, ASE Refrigerant Recovery and	
		Automotive Technology II: Automotive Service (2)* OR Practicum in Transportation Systems (2)*	Suspension and Steering Entry Level		
WESTBURY		Principles of Applied Engineering (1)		Autodock Associate (Cartified User) Inventor for	
	Engineering	Introduction to Engineering and Design PLTW (1) ^A		Mechanical Design, Autodes Associate (Certified User)	
	Engineering	Computer Integrated Manufacturing PLTW (1)^ *		AutoCAD	
		Engineering Design and Problem Solving (1)*		Addocab	
		Principles of Law, Public Safety, Corrections, and Security (1)			
	Emergency Services	Disaster Response (1)^		OSHA Hazardous Waste and Emergency Response*	
	Emergency Services	Firefighter I (2)*		OSTIA Hazardous Waste and Emergency Response	
		Emergency Medical Technician - Basic (2)^ *			
		Principles of Health Science (1)			
		Health Science Theory (1)*			
	Healthcare Diagnostics	Anatomy and Physiology (1) *	Clinical Medical Assistant	Clinical Medical Assistant	
		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
		Principles of Agriculture, Food, and Natural Resources (1)			
		Range Ecology and Management (1)*			(000 1 1)
	Environmental and Natural Resources	Project Based Research (1)*		Water Operators - Class D, Natural Resources Systems	(DSA needed)
		Scientific Research and Design (1)*			
		Principles of Arts, A/V Tech and Communications (1)			
		Animation I (1)		Adobe Certified Professional in Visual Effects Using After	
	Graphic Design and Multimedia Arts (1)	Animation II w/Lab (2)*		Effects	
		Practicum in Animation (2)*			
		Principles of Arts, A/V Tech and Communications (1)			
		Graphic Design and Illustration I (1)		Adobe Certified Professional in Visual Design Using	
	Graphic Design and Multimedia Arts (2)	Graphic Design and Illustration II (1)*		Photoshop	
		Practicum in Graphic Design and Illustration (2)*			
		Principles of Arts, A/V Tech and Communications (1)			
	Di-last Communications	Audio/Video Production I (1)	1	Adalas Cartified Associate Descriptor Des	
	Digital Communications	Audio/Video Production II (1)*		Adobe Certified Associate Premiere Pro	
		Practicum in Audio/Video Production (2)*	1		
		Principles of Business Marketing and Finance (1)			
		Financial Mathematics (1)* OR			
	Accounting and Financial Services	Business Information Management (1)	Quickbooks Certified User	YES (Intuit Quickbooks Certified User)	
		Accounting I (1)			
		Practicum in Business Management (2)* OR Career Preparation I (2)*			
	Business Management	Principles of Business, Marketing and Finance (1)		YES*, MOS Word Expert	
		Business Information Management I (1)	1		
		Business Law (1) OR	MOS Word		
WESTSIDE		Global Business (0.5) * AND Virtual Business (0.5)	MO3 Word		
		Practicum in Business Management (2)* OR			
		Business Management (1)*			
	Culinary Arts	Introduction to Culinary Arts (1)			
		Culinary Arts (2)		ServSafe Manager	
		Advanced Culinary Arts (2)*		Servadie Manager	
		Practicum in Culinary Arts (2)*			
		Fundamentals of Computer Science (1)			
		Computer Science I (1)		C++ Certified Assicate Programmer, Certified Entry-Level	
	Programming and Software Development	Computer Science II (1)* OR AP Computer Science Principles (1)	MTA Introduction to Programming Using Java	Python Programmer, Certified Profressional Programmer	(DSA needed Python)
		Practicum in Information Technology (2)* OR		.,,	
		AP Computer Science A (2) *			
		Introduction to Engineering Design (1) (PLTW)^		Autodesk Associate (Certified User) Inventor for	
	Engineering (PLTW)	Computer Integrated Manufacturing (1) (PLTW)^ *		Mechanical Design, Autodes Associate (Certified User)	
	=-0	Digital Electronics (1)*		AutoCAD	
		Engineering Design and Problem Solving (1)*			
		Political Science I (1)			
	Legal Studies	Political Science II (1)*		NONE	ALTERNATE CCMR
	Legar Statutes	Business Law (1)			, , , c, , c ccivil
		Project Based Research (1)*			
		Principles of Health Science (1)			
		Medical Terminology (1)			
	Healthcare Diagnostics	Anatomy and Physiology (1)* AND Health Science Theory (1)*	Clinical Medical Assistant, Pharmacy Technician	YES, YES	
		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
		Principles of Arts, A/V Technology, and Communications (1)			
	Graphic Design and Multimedia Arts	Animation I (1)	NONE	Adobe Certified Professional in Visual Effects Using After	
		Animation II (1)*	NONE	Effects	
		Career Preparation I (2)*			
		Principles of Hospitality and Tourism (1)			
	Culinary Arts	Introduction to Culinary Arts (1)	ServSafe Manager	YES	
	Cumary Arts	Culinary Arts (2)	Servade Manager	165	
		Advanced Culinary Arts (2)*			
		Principles of Information Technology (1)			
	Web Development	Project Based Research (1)*	NONE	NOCTI Web Design, CWMADA	(DSA needed)
		Career Preparation I (2)*	NONE		(D3A fieeded)
WHEATLEY		(none)			
WIILAILLI	Automotive	Principles of Transportation Systems (1)	ASE Automotive Service Technology, ASE Brakes, ASE		
		Automotive Basics (1)	Electrical/Electronic Systems, ASE Engine Performance, ASE	YES	
		Automotive Technology I: Maintenance and Light Repair (2)*	Maintenance and Light Repair, ASE Manual Drivetrain, ASE	123	
		Practicum in Transportation Systems (2)*	Refrigerant, ASE Suspension and Steering		
		Principles of Government and Public Administration (1)			
	Government and Public Administration	Dimensions of Diplomacy (1)*^	MOS Word	NONE	ALTERNATE CCMR
	Government and Fubile Administration	Planning and Governance (1)*	Wics Word	NONE	ALTERNATE CCIVII
		Prac. in Local, State and Federal Govt (2)* OR Public Mgmt. (1)*			
		Principles of Education and Training (1)			
	Early Learning (PTECH)	Child Development (1)	NONE (phase-in)	Child Development Associate	
	Larry Learning (FTECH)	Child Guidance (2)*	NONE (phase-in)	Cilia Developinent Associate	
		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
		Principles of Construction (1)			
	Carpentry	Construction Technology I (2)	NCCER Core Level I	YES, NCCER Carpentry Level I	
		Mill and Cabinetmaking Technology (2)*			
		Principles of Business, Marketing and Finance (1)			
		Business Information Management I (1)			
	Business Management	Business Information Management II (1)* OR	MOS Word, MOS Word Expert	YES*, YES	
		Human Resource Management (0.5)* AND Global Business (0.5)*			
		Practicum in Business Management (2)*			
		Introduction to Welding (1)			
	Welding	Welding I (2)	NCCER Core Level I	YES, NCCER Welding Level I	
		Welding II (2)*			
	Engineering	Principles of Applied Engineering (1)		Autodesk Associate (Certified User) Inventor for Mechanical Design, Autodes Associate (Certified User) AutoCAD	
		Engineering Design and Presentation I (1)*	OSHA 30 General		
		Engineering Design and Presentation II (2)*	OSIN 30 delicidi		
		Engineering Design and Problem Solving (1)*			
WISDOM	Programming and Software Development	Fundamentals of Computer Science (1)		C++ Certified Assicate Programmer, Certified Entry-Level Python Programmer, Certified Profressional Programmer	
		Computer Science I (1)			(Cold Start / DSA
		Computer Science II (1)*			needed Python)
		Practicum in Information Technology (2)*			
		Principles of Education and Training (1)			
	Early Learning	Child Development (1)		Child Development Associate	
	Larry Learning	Child Guidance (2)*		Child Development Associate	
		Practicum in Education and Training (2)*			
		Principles of Education and Training (1)			
	Teaching and Training	Child Development (1)	Educational Aide I	YES	
	reading and training	Instructional Practices (2)*	Eddedtolidi / lide 1	123	
		Practicum in Education and Training (2)*			
		Principles of Law, Public Safety, Corrections and Security (1)			
	Law Enforcement	Law Enforcement I (1)	Non-commissioned Security Officer Level II	YES	
	Law Enforcement	Correctional Services (1)*	Non-commissioned Security Officer Lever II	IES	
		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
		Principles of Agriculture, Food and Natural Resources (1)			
	Animal Science	Livestock Production (1)*	OSHA 30 General	NO [Certified Veterinary Assistant, Elanco Animal Science	
	Animai Science	Small Animal Management (0.5) OR Equine Science (0.5)	OSHA 30 General	Certification]	
		Practicum of Agriculture, Food and Natural Resources (2)*			
		Principles of Hospitality and Tourism (1)		Certified Hospitality and Tourism Professional	
	Lodging and Resort Management	Hotel Management (1)			
	Loughig and Resort Management	Travel and Tourism Management (1)			
WORTHING		Practicum in Hospitality Services (2)*			
WORTHING	Web Development	Principles of Information Technology (1)	MTA HTML5 App Development Fundamentals	NOCTI Web Design, CWMADA	
		Project Based Research (1)*			(Cold Start)
	web Development	Web Design (1)*	MTA HTML5 App Development Fundamentals	NOCTI Web Design, CWMADA	(Cold Start)
		Web Game Development (1)*			
		Principles of Education and Training (1)		YES	
	Teaching and Training	Human Growth and Development (1)	Educational Aide I		
	reaching and training	Instructional Practices (2)*	Educational Alde I	115	
		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
	Graphic Design and Multimedia Arts	Principles of Arts, Audio/Video Technology, and Communications (1)			
		Digital Media (1)		Adobe Certified Professional in Visual Design Using	
		Commercial Photography I (1)		Photoshop	
		Commercial Photography II (1)*			
		Principles of Arts, Audio/Video Technology, and Communications (1)			
	Digital Communications (1)	Professional Communications (0.5) AND Web Communications (0.5)		Adobe Certified Associate Premiere Pro	
	Digital Communications (1)	Digital Audio Technology I (1)		Adobe Certified Associate Première Pro	
		Digital Audio Technology II (1)*			
YATES	Digital Communications (2)	Principles of Arts, Audio/Video Technology, and Communications (1)		Adobe Certified Associate Premiere Pro	
		Audio/Video Production I (1)			
		Audio/Video Production II (2)*			
		Practicum in Audio/Video Production (2)*			
		Principles of Business, Marketing, and Finance (1)			
	Entrepreneurship	Business Information Management I		Entrepreneurship and Small Business	
	Littlepreneursnip	Entrepreneurship (1)		Entrepreneuratilp and attial business	
		Practicum in Entrepreneurship (2)*^			
		Principles of Distribution and Logistics (1)		NCCER Core Level I, MSSC Certified Logistics Technician, OSHA 30 General*	
	Distribution and Logistics	Management of Transportation Systems (1)			
	Distribution and Logistics	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
		Principles of Biosciences (1)			
	Biomedical Science	Biotechnology I (1)		Medical Laboratory Assistant, Medical Laboratory	(Cold Start)
	Biomedical Science	Biotechnology II (1)*		Technician	(Cold Start)
		Practicum in STEM (2) * OR Scientific Research and Design (1)*			
	Engineering	Principles of Applied Engineering (1)		Autodesk Associate (Certified User) Inventor for	
YWCPA		Engineering Design and Presentation I (1)*		Autodesk Associate (Lettined User) inventor for Mechanical Design, Autodes Associate (Certified User) AutoCAD	
TWCPA	Engineering	Engineering Design and Presentation II (2)*			
		Engineering Science (1)* OR Practicum in STEM (2)*		AutoCAD	
		AP Computer Science Principles (1)	MOS Word, MOS Excel	NO, NO [C++ Certified Assicate Programmer, Certified Entry-Level Python Programmer, Certified Profressional	
	Programming and Software Development	Computer Science I (1)*			(Cold Start / DSA
	Game Programming and Design (1)*	INIOS WOIG, INIOS EXCEI		needed Python)	
		Career Preparation I (2)*		Programmer]	

Carpentry
Business Management
Distribution and Logistics
Maritime Science
Networking Systems
Web Development
Welding
Engineering
Teaching and Training

reaching 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)

Programming and Software Development (2)
Family and Community Services
Environmental and Natural Resources
Graphic Design and Multimedia Arts
Digital Communications
Animal Science
Plant Science
Engineering
Renewahle Fnergy

Nenewable Lifetgy
Emergency Services (1)
Emergency Services (2)
Healthcare Therapeutic
Healthcare Diagnostics
Healthcare Therapeutic
Renewable Energy
Engineering
Programming and Software Development

Advanced Manufacturing and Machinery Mechanics
Engineering
Environmental and Natural Resources
Graphic Design and Multimedia Arts
Healthcare Therapeutics
Entrepreneurship
Graphic Design and Multimedia Arts
Programming and Software Development
Fngingering

Lugmeering
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
Rucinoss Managoment

Dusiliess Wallagelliellt
Graphic Design and Multimedia Arts
Digital Communications
Automotive
Networking Systems
Drone (Unammed 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
Flactrical

LICCLIICAI
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
Dlant Science

Figur 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

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

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
Granhic Design and Multimedia Arts

Graphic Design and Munimedia 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
Rucinass Managament

טעטווופטט ועומוומקפווופוונ
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
Granhic Decign and Multimedia Arts

Graphic Design and Multimedia Arts
Culinary Arts
Web Development
Automotive
Government and Public Administration
Early Learning (PTECH)
Carpentry
Business Management
Welding
Fngingaring

Lugmeering
Programming and Software Development
Early Learning
Teaching and Training
Law Enforcement
Animal Science
Lodging and Resort Management
Web Development
Teaching and Training

Graphic Design and Multimedia Arts
Digital Communications (1)
Digital Communications (2)
Entrepreneurship
Distribution and Logistics
Biomedical Science
Engineering
Programming and Software Development