



West Alabama – East Mississippi

Regional Workforce and Educational Offering Inventory
Education and Training Offerings Available through
WAEM Community Colleges

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Overview

The West Alabama-East Mississippi WIRED Initiative has requested Technical Assistance from the Council for Adult and Experiential Learning (CAEL) to help develop a comprehensive inventory of workforce and educational offerings among the Community and Junior Colleges within the 37 county WIRED region, advancing toward achievement of WIRED Goal #3: **Credential, certify, and transform to a regionally-branded workforce.**

Through the inquiry, the region and its educational institutions are working to develop a broad and deep understanding of the instructional opportunities available to its residents, employers and economic development prospects. By understanding the instructional assets on a regional rather than local or jurisdictional level, the WIRED initiative will be able to respond to specific employer and learner needs, draw from a wider array of instructional offerings, and leverage economies of scale in the acquisition of new offerings and credentialing opportunities.

This inquiry will evolve as it informs and is informed by work undertaken through the WIRED initiative's other three goals and respective goal committees. Further analysis of certain categories of the inquiry will take place as the region's economic development priorities are specified and skill development goals are determined.

- *Methodology*

Working under the direction of The Montgomery Institute (TMI) and in concert with Workforce Development Directors from the region's Community and Junior Colleges, CAEL developed a draft framework by which each colleges' offerings might support WAEM WIRED Goal 3 and the development of an enterprise-ready workforce. Workforce Directors from each of the region's Community and Junior Colleges then worked to define which offerings would be catalogued and how each would be understood in the context of the existing and potential economic development priorities of the region.

- *Definition of "Offering"*

Rather than simply duplicating each college's existing catalog, the Goal 3 working group (including CAEL, TMI and Workforce Directors) defined which types of offering will, when aggregated among those of the other partnering colleges, inform economic development efforts and can be offered as resources to regional business development and attraction and entrepreneurship development programs. As well, the working group defined the types of offerings whose absence within all or part of the region represents a hindrance to such efforts.

1. For-credit technical / vocational offerings – Associate or Certificate terminal programs. They may or may not articulate up to four-year programs, but they must

be able to stand on their own. In this category, the skill development is validated by the particular College.

2. Credit or non-credit offerings that lead to or result in certification by an external entity – these would include offerings such as Information Technology certification courses where the students' skills are validated by a vendor such as Microsoft or Cisco, health care programs that lead to certifications such as CNA, manufacturing skills programs culminating in validation by MSCC or NIMS, etc.

Once defined, the working group reviewed sample survey questions that would (1) identify the offerings, (2) define the intended results of participation in the offerings, and (3) how participations in the offering is currently supported. Questions were modified per the group and a web-enabled version was distributed to each CCJC Workforce Directors for completion. Workforce Directors and their designees proceeded to enter data on relevant offerings supported by CAEL technical assistance. CAEL then ran summaries of the data by college and distributed data summaries to each Workforce Director for review and validation.

In addition to the offerings catalogued by the eight Community and Junior Colleges, the survey link was also distributed to representatives of the Alabama Technology Network (ATN) and Alabama Industrial Development Training (AIDT), as these organizations provide certification and credentialing offerings as well - often delivered in conjunction with Alabama Community Colleges.

- Limitations of the Inquiry

It is important to note that this inquiry did not attempt to catalog every offering provided by post-secondary institutions in the WIRED region. The working group determined that such a collection would have become too unwieldy to gather, and the focus of the inquiry would have been too diluted to be useful. Rather, the group focused on those offerings which further the objective of **WIRED Goal 3: Credential, Certify and Transform to a Regionally Branded Workforce**. As the region's economic objectives are determined through the WIRED Goal 1 process, deeper inquiry into particular subject areas will be warranted, and efforts to certify and credential completers of those offerings should be considered.

Each of the colleges and training providers has the ability to deliver more and different instruction than is captured in their current catalog or in this inquiry. The survey did not attempt to document all instruction leading to certification and credentialing that *could* be provided if requested or that *might* be provided if needed. Such a list would also become too unwieldy and unfocused to be of practical use to the WIRED initiative, and too onerous to collect on the part of the Workforce Directors. Again, definition of Goal 1 priorities will provide the focus needed to undertake meaningful inquiry in this area.

WAEM Assets and Resources

The inventory of credentialing programs in the WAEM region centers around those available via the Workforce Development programs at each of the eight Community and Junior Colleges. Workforce Directors at those institutions were the primary informants in compiling the region's catalog of offerings. Assets and resources within the region also stand to support the goal of Certifying, Credentialing and Transforming to a regionally branded workforce.

Attachment A identifies a variety of funding sources that address workforce development concerns and support or could support Goal 3 of WAEM's WIRED Initiative.

In addition to the Community and Junior Colleges, Alabama possesses two assets that are also prominent supporters of workforce development in the State – the Alabama Technology Network and Alabama Industrial Development Training – who have each contributed to the data analyzed in this report but who each bear further discussion.

With the Community Colleges, and both also a part of Alabama's Post-Secondary educational system, ATN and AIDT occupy distinct yet overlapping roles within the network of workforce development resources in the state. The divisions between AIDT, ATN and the Community Colleges' Workforce programs can roughly be described as addressing the needs of business attraction efforts, higher-level incumbent worker training, and more general workforce preparation, respectively. There are, however, areas where the three categories of institution work together and where the separation between the functions is not as neatly delineated.

Alabama Technology Network (ATN)

For example, while typically the Community Colleges provide Adult Basic Education (ABE) services and associated testing such as GED and TABE, ATN lists TABE instruction among its offerings. As well, a number of offerings preparing individuals for certifications, including manufacturing trades and information technologies are offered in both venues. ATN provides services at several (though not all) Alabama community college locations in the region as well as via mobile laboratories, though limits its offerings based on particular agreement with particular colleges. In one case, ATN serves as a college's primary Business Services entity, while at another provides instruction for only one particular industry sector, and maintains no presence at yet another.

ATN offerings are most often supported directly via employers, frequently assisted by Alabama's incumbent worker funding programs (funded via Workforce Investment Act state set-aside dollars). While there is some overlap in offering content and objectives, there appears to be no formal relationship or work processes that enable clients of the Workforce Investment System or students in the colleges' manufacturing programs to take advantage of ATN instruction. ATN's mobile laboratories and instructional capacities make it an untapped resource for new and dislocated workers as well as the incumbent workers it now

primarily serves, especially in areas of the region where individuals do not have immediate access to fixed industrial laboratories and instructors.

ATN also offers instruction in manufacturing areas more advanced than those offered directly through the colleges, such as Lean Manufacturing and Quality Assurance. ATN almost certainly provides instruction to individuals who completed previous manufacturing programs at the Community Colleges in Alabama, though the linkage is dependent upon their employers' taking advantage of ATN instruction. Awareness of ATN offerings could begin during the more basic college instruction, instilling the value of and opportunity associated with lifelong learning.

Currently, ATN provides some instructional service in Mississippi through their Manufacturing Extension Partnership. ATN could potentially also serve as an instructional resource for Community and Junior Colleges in Mississippi's portion of the WIRED region whose offerings in Lean and Quality areas are not advanced enough to address local industry needs.

Alabama Industrial Development Training (AIDT)

Focused on serving the needs of manufacturing and distribution companies moving into Alabama, AIDT's credentialing/certification efforts lean heavily towards pre-employment training and include both basic work readiness skills as well as manufacturing awareness. While AIDT maintains many other instructional capacities, they typically do not focus on skills certification and credentialing – only the particular needs of particular companies moving into Alabama. AIDT registered only one offering in the inquiry – Pre-Employment Training – but will deliver a variety of other instruction on-demand as part of business attraction incentive packages.

AIDT receives \$12 million in state funds for this purpose. AIDT's success in supporting business attraction efforts in the state is due in large part the flexibility with which it applies its resources. Such flexibility is rarely possible when using federal funding, and as such AIDT has not sought deep involvement in the WIRED initiative. While WIRED funding offers more flexibility than most federal programs, AIDT's level of state funding makes it less in need of WIRED assistance. AIDT's experience with aggressive and efficient delivery of workforce services to new businesses, however, offers the opportunity to provide best practices and process improvement to other system partners.

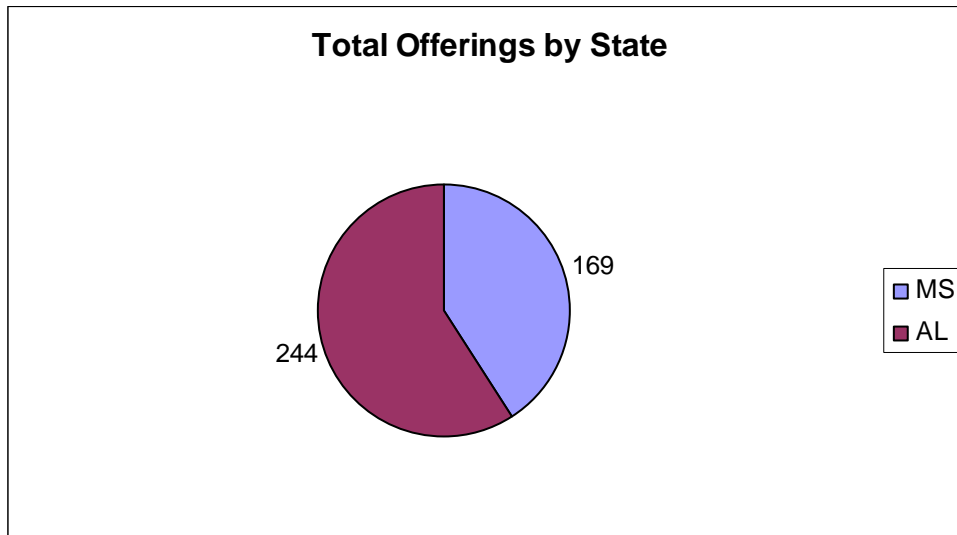
AIDT recruitment and screening services mirror those typically delivered by workforce investment systems and their career centers. While workforce centers do refer individuals to AIDT to access the new positions coming on-line in Alabama, it appears that the interaction between AIDT and workforce centers is no deeper than that between AIDT and the general public. AIDT's knowledge of and success with pre-employment screening and training could be used to strengthen workforce systems' activity both in feeding applicants to AIDT and independently serving its business customers.

Preliminary Findings

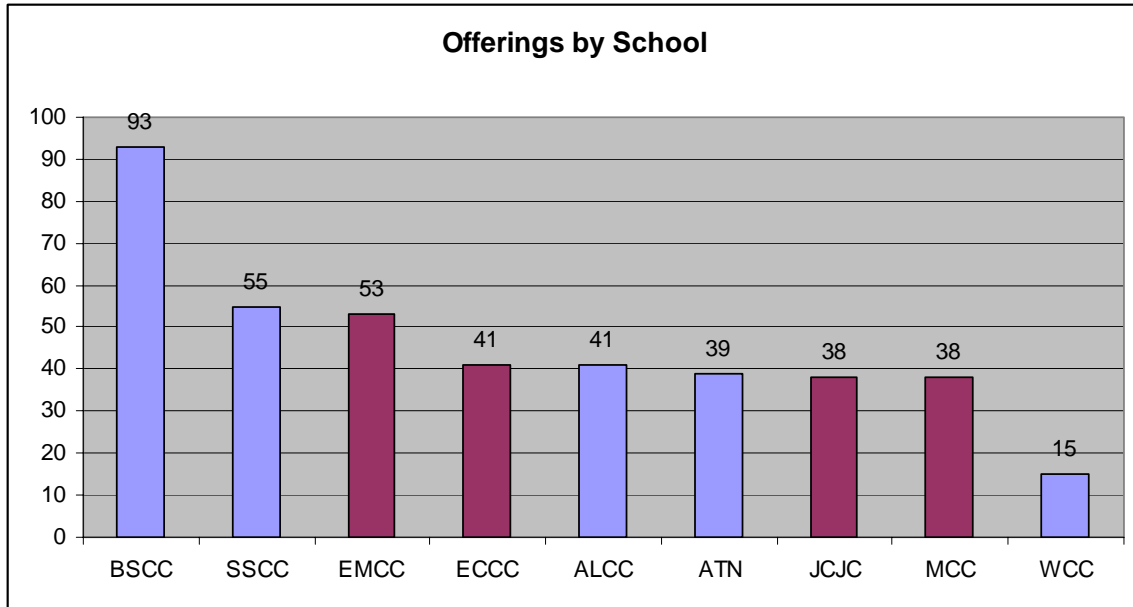
- Regional Inventory of Certification/Credential Offerings

The Community and Junior Colleges in the West Alabama & East Mississippi Region boast a wide array of education and training offerings that currently support a number of industries' skill and recruitment needs. While individually each college possesses certain competencies and industry alignment as well as displays certain voids in instructional ability, together the regions menu of offerings is formidable.

In total, the inquiry catalogued 413 unique instructional offerings across the eight Community and Junior Colleges, ATN and AIDT. In all the inquiry has catalogued a total of 413 offerings meeting the criteria described above: 243 (59%) among the providers in Alabama and 170 (41%) among those delivered by institutions in Mississippi.



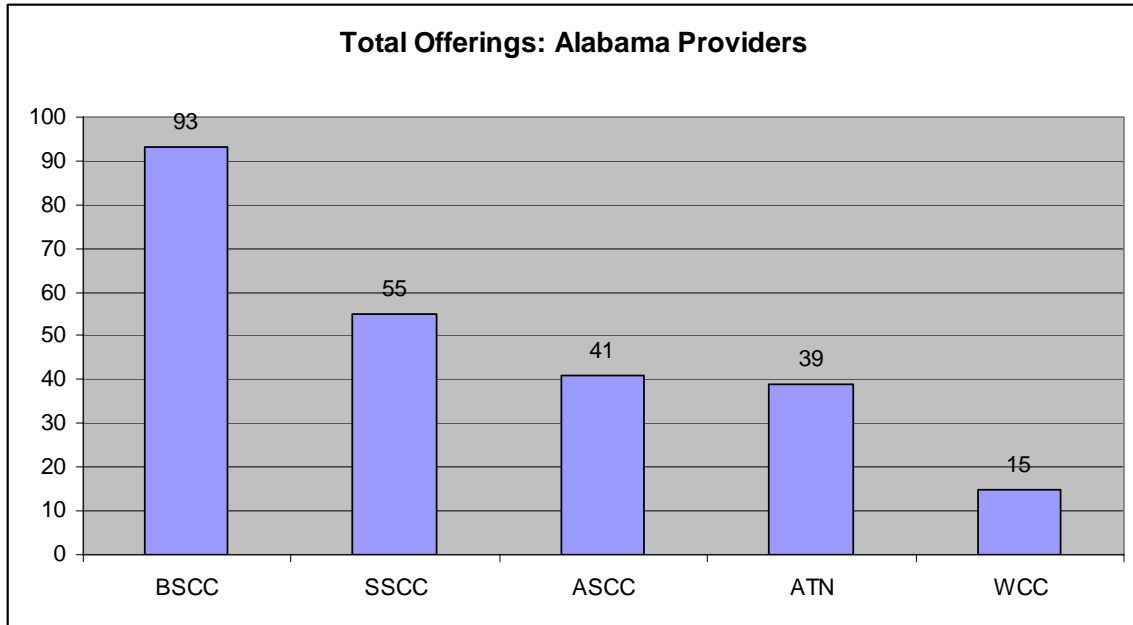
There is a greater variance among providers in Alabama between the college displaying the greatest number of offerings and that displaying the smallest number (93:15) while variance among the Mississippi Colleges is not nearly as stark (53:38).



<p style="text-align: center;">Alabama Colleges</p> <p>BSCC: Bevill State Community College AL S: Alabama Southern Community College SSCC: Shelton State Community College WCC: Wallace Community College</p>	<p style="text-align: center;">Mississippi Colleges</p> <p>JCJC: Jones County Junior College ECCC: East Central Community College MCC: Meridian Community College EMCC: East Mississippi Community College</p>
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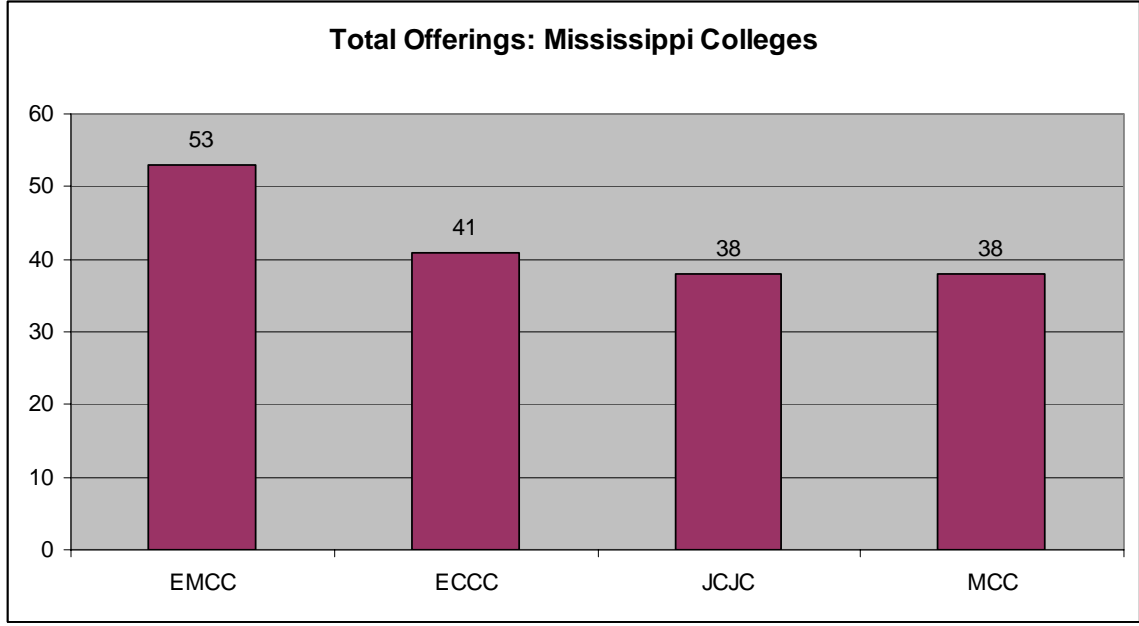
*While listed as a separate provider, ATN has strong presence at ALCC and emerging presence at WCC. As such, the list of offerings at those schools should be assumed to include the ATN offerings.

In Alabama, Bevill State Community College registered the most offerings (93), followed by Shelton State Community College (56), Alabama Southern Community College (28) and Wallace Community College (18).



BSCC: Beville State Community College SSCC: Shelton State Community College
 ASCC: Alabama Southern Community College WCC: Wallace Community College
 ATN: Alabama Technology Network

Among the Mississippi Colleges, East Mississippi Community College registered the most offerings (53) followed by East Central Community College (41), Jones County Junior College and Meridian Community College Mississippi Community College (each with 38).

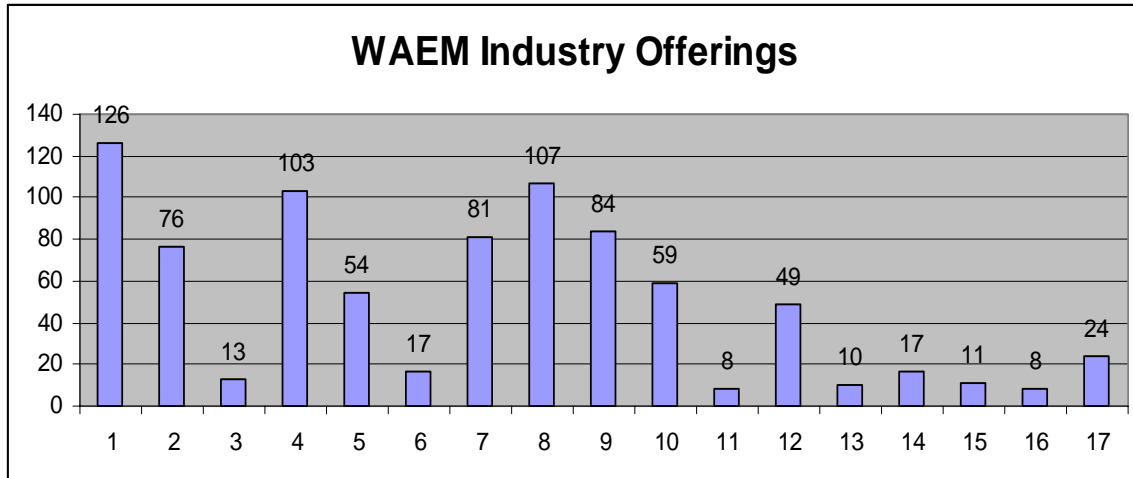


JCJC: Jones County Junior College ECCC: East Central Community College
 MCC: Meridian Community College EMCC: East Mississippi Community College

A total list of offerings is provided in attachment B

- Offerings by Industry

As one WIRED priority is to increase the alignment between economic development and education and workforce development efforts, the Goal 3 working group sought to identify where in the region particular offerings focus on particular industries' skill needs. The following chart shows the number of offerings targeting particular industry sectors (please note that individual offerings may address more than one sector).



1: Automotive Manufacturing
 2: Automotive Service
 3: Biotechnology
 4: Construction
 5: Food Production
 6: Geospatial

7: Healthcare
 8: Information Technology
 9: Advanced Manufacturing
 10: Timber/Forestry
 11: Mining
 12: General Office

13: Travel/Tourism
 14: Personal Service
 15: Human Service
 16: Transportation
 17: Cross-Sector

- *WAEM Regional Strength*

Not surprisingly the data shows that the region possesses large numbers of instructional offerings targeting the Healthcare, Construction and Information/Computing Technology, as programs targeting those industries are common among colleges. Less common is the strength displayed by the WIRED region in the areas of Automotive and Advanced Manufacturing, Automotive Service and Timber/Forestry.

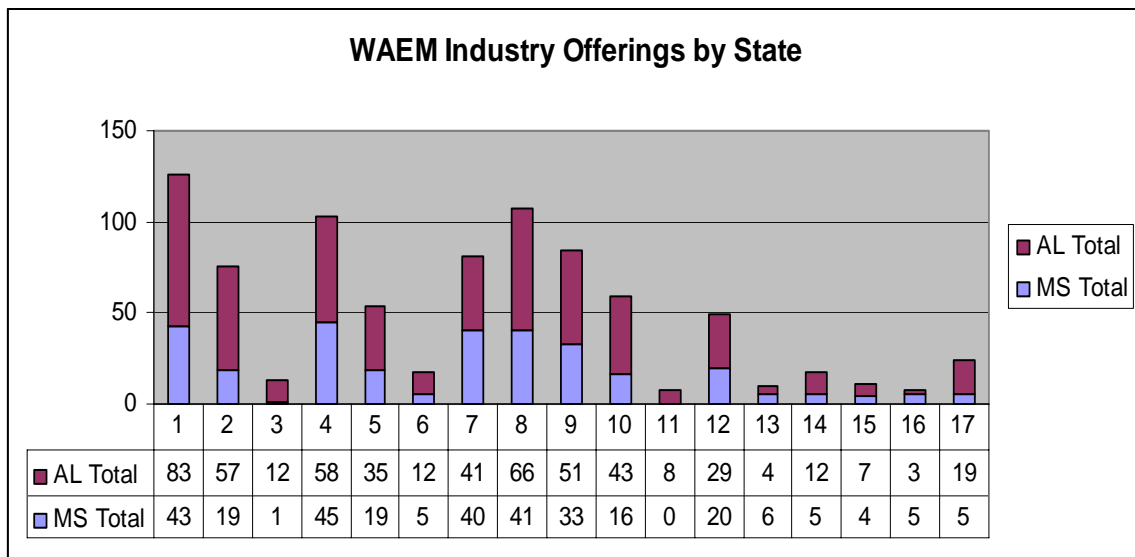
- *Gaps in Credentialing Offerings*

The offerings documented show relatively little certification/credentialing instruction that serves the Biotechnology and Geospatial Technology industries and while the relative youth of these industries is certainly a factor, more attention to these skills sets will be warranted should the Goal 1 committee select these rich targets for economic development activities.

Also of note is the limited number of offerings addressing the Travel/ Tourism and Transportation sectors.

- Industry Offerings by State

With the majority of regional offerings provided on the Alabama side of the region, it is not surprising to see that in each industry category Alabama colleges offering larger numbers of offerings. In several industry categories, however, the differential between instructional availability in the two states is quite significant. In six industry categories (Automotive Manufacturing, Automotive Service, Biotechnology, Construction, Geospatial Technology and Timber/Forestry) the number of offerings available in Alabama is more than twice those documented in Mississippi.



1: Automotive Manufacturing
 2: Automotive Service
 3: Biotechnology
 4: Construction
 5: Food Production
 6: Geospatial

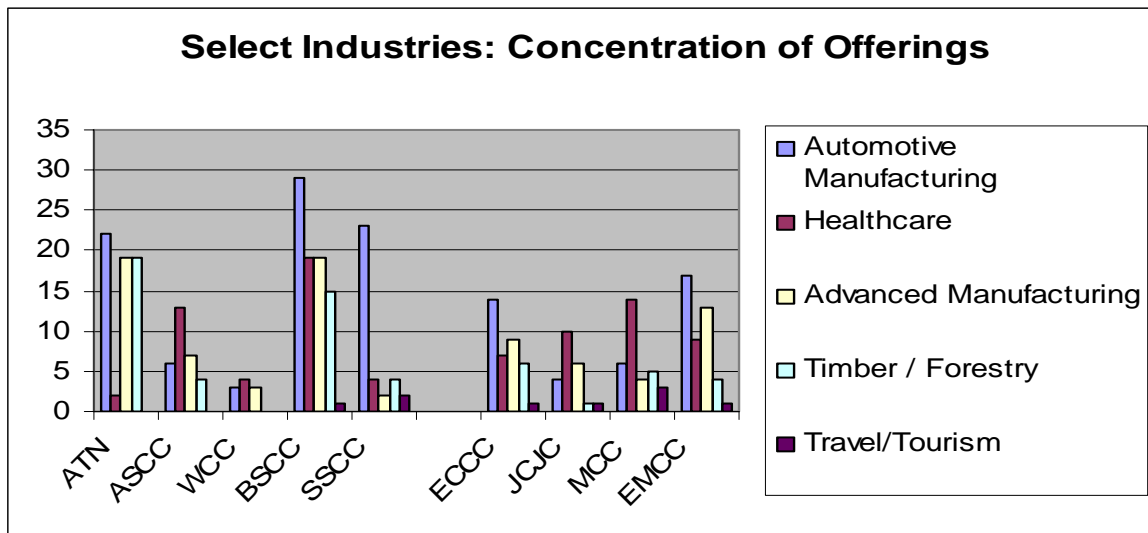
7: Healthcare
 8: Information Technology
 9: Advanced Manufacturing
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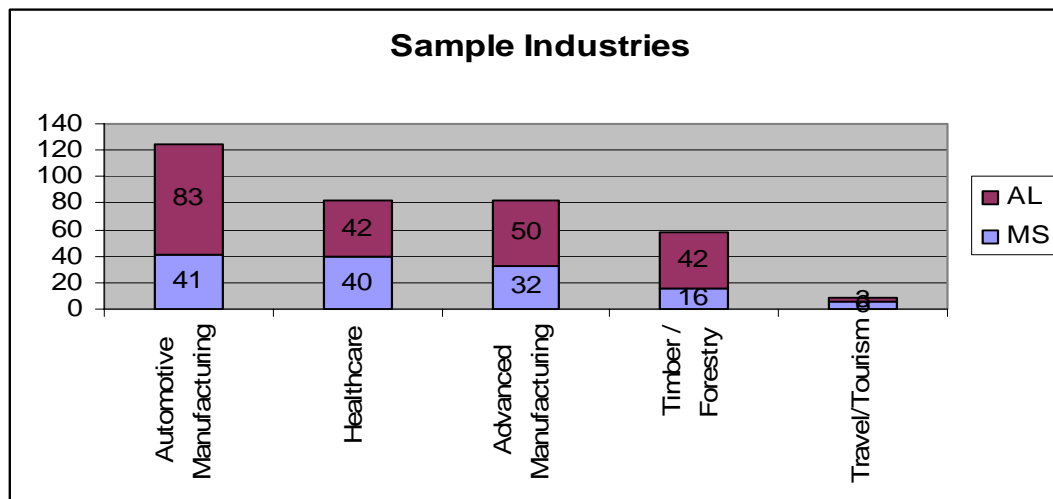
- Sub-state concentrations by Industry

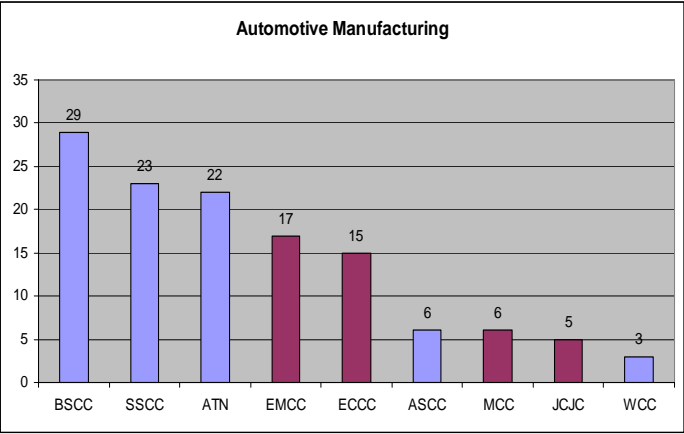
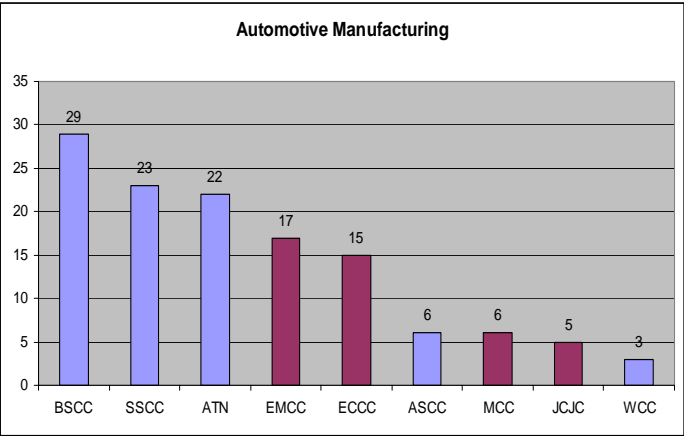
Within the states, concentrations of activity exist among the colleges.

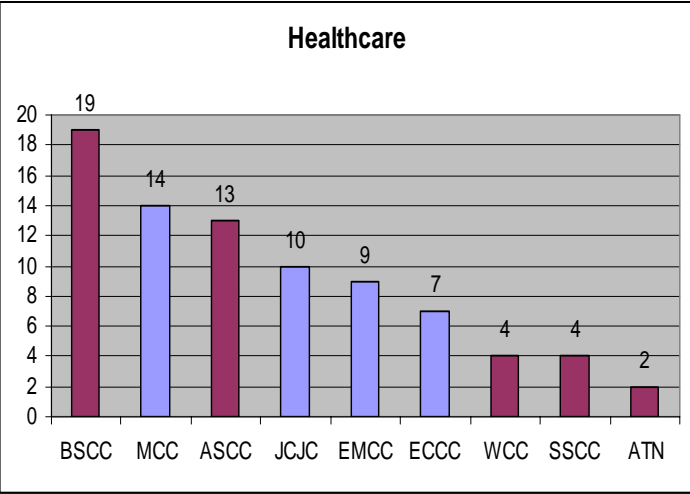
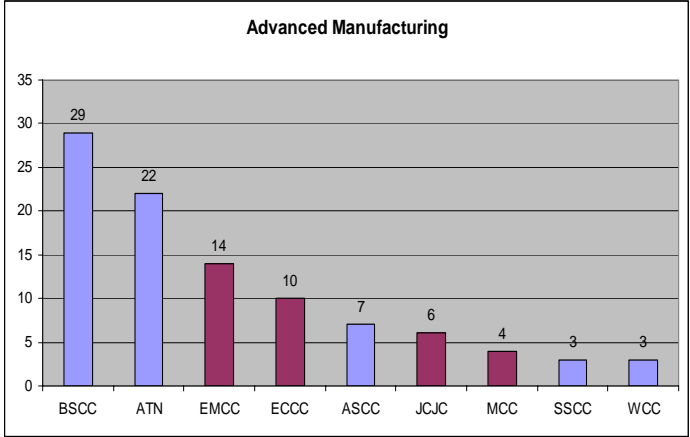
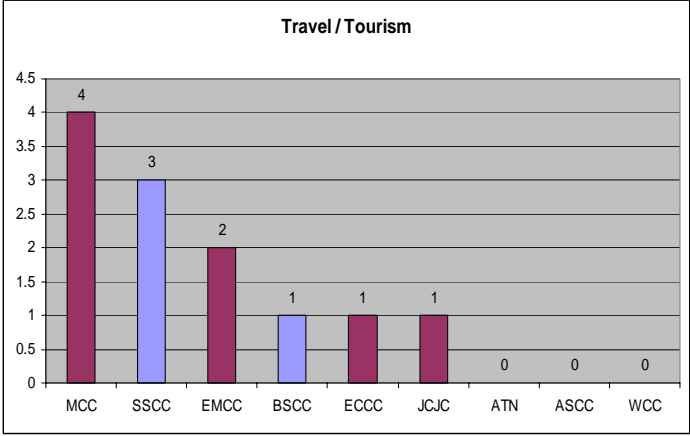
Students and employers in the Northeastern portion of the region (Lamar, Fayette, Walker and Pickens counties in Alabama) appear to have access to the most robust set of offerings in the region. Beville State Community College which serves this area offers more than 40% of the offerings in each industry target identified by the survey, and offers close to 80% of all regional offerings for the Biotechnology and Geospatial industry sectors.



Among the economic development targets most seriously under consideration by the Goal 1 committee, one finds each represented in some measure across most of the region. The exceptions are (1) Alabama Southern Community College delivers no certification/credential offerings in Travel/Tourism and (2) Wallace Community College delivers no certification/credential offerings in Travel/Tourism and Timber/Forestry.



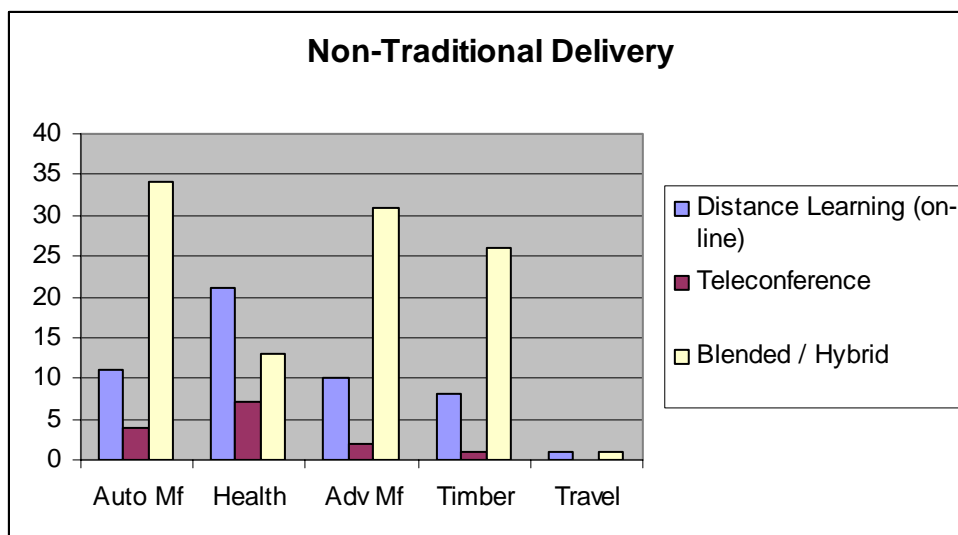




Delivery

The size and rural nature of the WAEM WIRED region makes it more difficult to physically gather for training events than if the region were a dense urban or suburban geography. Furthermore, the need to serve not only students and unemployed individuals but also working adults, places greater importance on alternative instructional delivery modes.

The chart below shows the non-classroom training options available for the credentialing and certification options in the target industries.

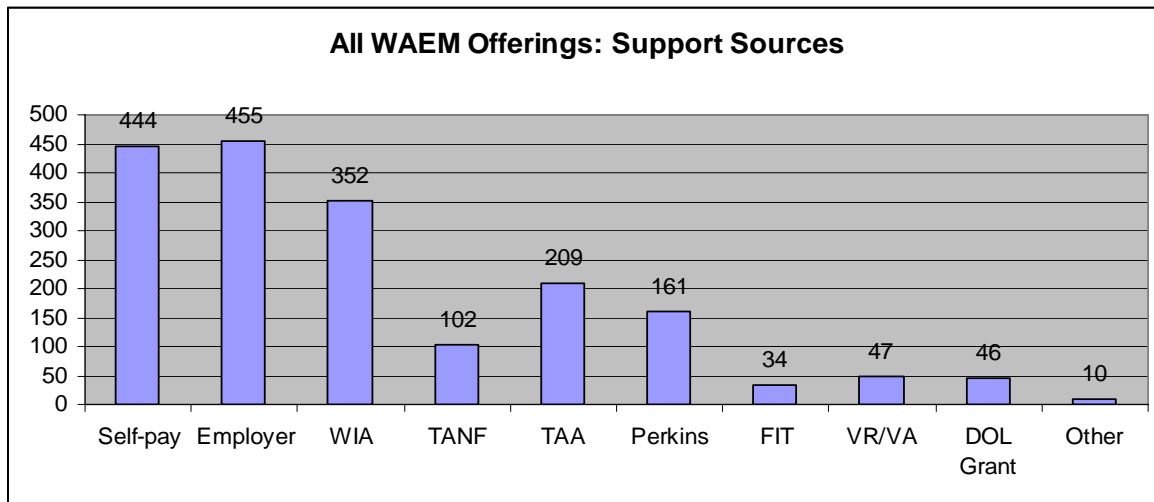


While some use of non-classroom delivery is taking place, and the providers do possess appropriate technologies, the proportion of offerings delivered in this manner represent a very small proportion of total delivery. Of the 134 offerings catalogued for Automotive Manufacturing, for example, on 34, or less than 25% are available through alternative delivery formats.

Financial Support for Credentialing Offerings

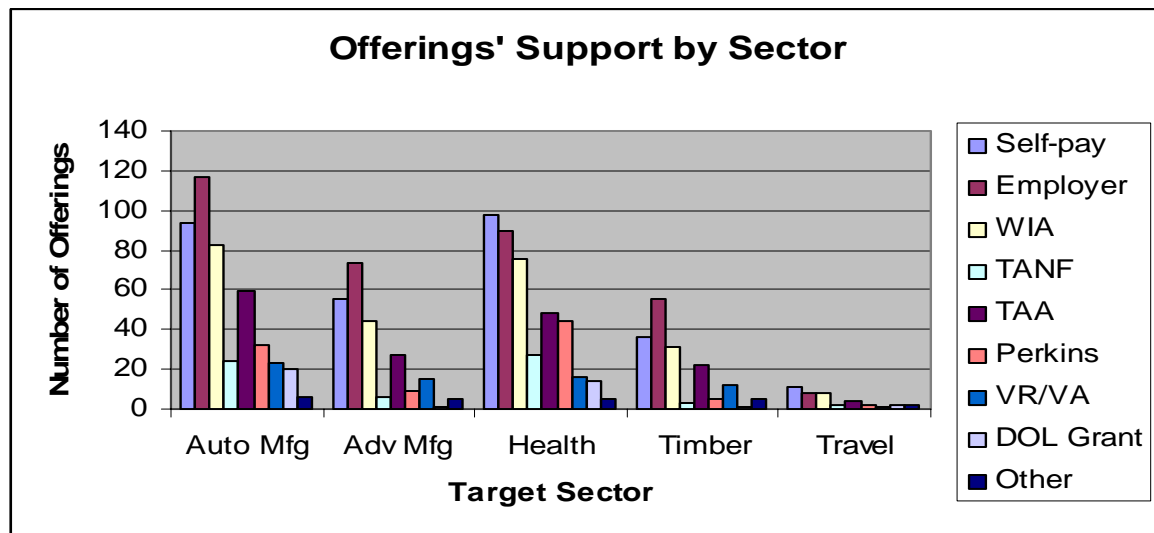
For each offering, respondents were asked to identify which funding sources support delivery of that offering. Data on the level of funding for particular offerings was not available, and this series of information does not attempt to describe overall levels of funding, only which funding sources contribute in some way towards delivery of the particular offerings.

The chart below shows the extent to which a variety of funding sources support the credentialing offerings in the WAEM region.



WIA: Workforce Investment Act
TAA: Trade Adjustment Act
FIT: Focused Industry Training
VR/VA: Vocational Rehab/Veterans Affairs

Viewed by sector, one can see the prominence of employer and participant support for learning and training. Interestingly, more offerings register employer support in the industrial-related offerings (manufacturing, automotive, and timber) where participant support is more prominent in the service sectors (health and travel/tourism)



	Self-pay	Employer	WIA	TANF	TAA	Perkins	VR/VA	DOL Grant	Other
Auto Mfg	94	117	83	24	59	32	23	20	6
Adv Mfg	55	74	44	6	27	9	15	1	5
Health	98	90	76	27	48	44	16	14	5
Timber	36	55	31	3	22	5	12	1	5
Travel	11	8	8	2	4	2	1	2	2

Prerequisites

A wide variety of prerequisite measures – knowledge tests, skills tests, credentials, income qualifications and experience – are used to determine which individuals are allowed to participate in the particular offerings. Nearly absent among the prerequisite measures is WorkKeys testing and the Career Readiness Credential. As industry targets are defined and CRC levels are identified with particular positions within them, increasing use of the CRC as a prerequisite will increase the broad value of the tool. WorkKeys' scores direct alignment with prerequisite skills required by particular positions also makes it a tool that can increase predictability of success in hard-skill development offerings and career guidance among the constituents of the Goal 4 process (ie High School Students).

Sub-Sector Offerings

While the inquiry addressed colleges' offerings for a number of industries, the Aerospace and Metal Fabrication industries were not specifically addressed. As the Goal 1 process has identified those sub-sectors as areas of interest, further information has been sought from the Workforce Directors to document the current capacity to meet their needs.

Offerings supporting Advanced Manufacturing and Automotive Manufacturing impart skills and credentials that may be highly applicable to Aerospace and Metals skilled worker needs. In particular, offerings in Robotics, Welding, Quality, Lean Manufacturing, Electronics, Pneumatics, PLC, CNC, and related disciplines can be applied in any manufacturing environment, including Aerospace and Metals. Some other CCJC offerings do indeed address specific needs of these industries, though often do not necessarily result in a credential and were not among those catalogued in this inquiry. Some of those offerings are listed in the chart below.

School	Aerospace	Metals
East Mississippi Community College	American Eurocopter Customized Training UAV Customized Training	
Jones County Junior College		Partnership with Hol_Mac to offer advanced robotic welding training.
Meridian Community College	Product-specific assembly training DOD Specifications	Metallurgy Measurement Techniques

Next Steps

The aggregation of assets and resources catalogued by the Community and Junior Colleges in the WIRED region is formidable indeed. Together the schools and programs have the capacity to meet the objective of Goal 3 of certifying and credentialing the region's workforce. The WIRED initiative and the Goal 3 process are poised to help the region's offerings become much more than the sum of its parts. In order to respond as a region to skill development challenges, and to offer economic development prospects, local companies and entrepreneurs the full value of the region's education and training assets, it is now important that the schools and education and training authorities address the barriers to collaboration and develop operational protocols and policy principles by which the entire region's assets can be leveraged. The following are recommendations for next steps to consider:

- **Develop integrated delivery protocols.** With substantial menus of offerings among the Community and Junior Colleges the region has anecdotally understood its strength, but the inquiry shows just how formidable the set of offerings is. The ability of the region to respond as a region to economic development needs depends upon the facility with which one institution's offering can be deployed to support activity within the region but outside of its particular jurisdiction. Some options for regional delivery mechanisms may include:
 - **Sharing of offerings.**
 - **On-Line.** Each community and junior college possesses the capacity to deliver via on-line synchronous and asynchronous instruction. Expansion of the use of distance learning will enable schools to reach students who would otherwise need to travel great distances, and enable students to participate in instruction that would otherwise be physically inaccessible to them. The region can consider models including regional consortia of on-line learning such as SREB, or models by which states have aggregated courses into one catalog.
 - **Instructor Share.** Currently, the colleges in the WAEM region report that they sub-contract certain instructional delivery to other colleges in the region. One college reports that it is easier to do so across the state line than it is to do so within their own state. Most colleges report that such processes are conducted on an ad-hoc basis, while interestingly only one college shared a formal document and process that enables colleges to deliver instruction in another's jurisdiction.
In these and other cases, it will be important to develop sourcing processes and funding formulae
 - **Cross-jurisdiction price normalization.** Mechanisms are currently in place that impose different barriers to participation for different segments of the region's population. The most obvious is the different tuition and fees paid by individuals who do not live within the particular educational jurisdiction. Offering reciprocity and consistent pricing to any student within the WAEM region, the institutions further emphasize that the instructional/offering base

as well as the talent base are sourced on a broader level. Kansas and Missouri have already done this for their WIRED region—allowing residents to attend institutions in either state from within the region.

- **Cross-state WIA approval.** Again, emphasizing that assets and resources must be viewed and accessed on a regional (and not local or state) level, reciprocal approval of WIA offerings may be a viable option. The WAEM states could either submit their WIA offerings to the approving authority in the other state, or for a more comprehensive approach the two states could normalize their approval processes to ensure that any offering approved in one state will be approved (or immediately qualified for approval) in the other state.
- **Map non-credential offerings to existing skills validation mechanisms.** This inquiry attempted to capture those offerings which lead to certification or credentialing. Substantial offerings exist at each college that are not designed or delivered with particular credentials in mind, and many industry skills needs currently have no credential to validate them. As industry targets are identified, additional research will reveal further opportunities (certifications and certifying bodies) for the region to validate skill acquisition. While development of new programs to address these certification opportunities may be too onerous, the offerings can be mapped to those certifications and the region will be able to add or augment instruction to them as particular companies express their usefulness.
- **Support for colleges to implement Prior Learning Assessment policies and programs to help those with relevant workplace learning to attain appropriate credit.** As many WAEM residents have taken part in training that has not or does not lead to certification and credentialing. These individuals have skills that could indeed be validated and ultimately credentialed. Instituting PLA processes among the colleges will provide a mechanism to capture and validate these skills, and help move the region towards greater numbers of individuals possessing post-secondary degrees. A centralized PLA center or process (as opposed to at each school) offers an economy of scale and critical mass that only a few regions possess. (move this next to the bullet on 'Map non-credential...')
- **Inventory of Equipment for sector and sub-sector specific training.** As Advanced Manufacturing and its sub-industries will likely be prominent among the WAEM targets for skill development, it is important to recognize the facility-intense nature of much of the required training and the high cost of acquiring and maintaining that equipment. Crucial pieces of advanced manufacturing instructional technology exist among the colleges, and for each college to replicate that investment would be inefficient and costly. Much like the inventory of offerings undertaken here, so too will an inventory of manufacturing instructional equipment enable more efficient use of resources to increase the region's ability to provide relevant training. And as with the sharing of instructors and curricula, similar protocols to share equipment such as ATN's mobile laboratories may also be developed and implemented.
- **Leverage ATN and AIDT across state line.** Both AIDT and ATN have enabled the State of Alabama to focus significant resources on specific companies, with tremendous success. Either the principles or the mechanisms themselves could be spread across the state line into Mississippi, though substantial discussion on

limitations, cost-sharing, and capacity would need to take place. Of particular utility is ATN's mobile laboratories, AIDT's integration of WorkKeys with the Alabama Certified Worker (ACW) program.

- **Map CRC to other certifications.** Much emphasis has rightly been placed on the Career Readiness Certificate programs currently working in both Alabama and Mississippi. While critical as a foundational skill validation mechanism, further specification and validation of skills will strengthen WAEM's ability to confidently address particular industry and employer skill development concerns. In some cases, adding scores from additional WorkKeys tests achieves this more specified validation, such as inclusion of the Applied Technology test to prepare individuals for entry-level manufacturing positions. In other cases non-ACT skill validation mechanisms may be more appropriate, such as adding Serve-Safe certification to a basic CRC to address particular needs of the restaurant and hotel employers who would be a part of the Travel and Tourism portion of the WAEM initiative. As industry targets are specified, it will be important to specify how the CRC levels apply to target positions, and how they must be augmented with other certification mechanisms to be meaningful to the target employers and sectors.

WAEM Credential Offerings by Industry/Sector Category

WAEM Offerings: Automotive Manufacturing

30 CFR Electrical BSCC
 AC Motor Theory and Maintenance EMCC
 Air Conditioning & refrigeration Short Term Cert. (STC) BSCC
 Air Conditioning & Refrigeration Tech CER BSCC
 Associate Electronics Technology MCC
 Associate in Applied Science Degree in Industrial Engineering Technology AS CC
 Associate in Science degree AS CC
 Auto Body Repair Tech Certificate (CER) BSCC
 Auto Body Repair tech Short Term Cert (STC) BSCC
 Autocad ATN
 AutoCAD EMCC
 Automation and Control Technology EMCC
 Automotive Aluminum Welding Certification BSCC
 Automotive Chassis and Powertrain - Short Certificate SSCC
 Automotive Electrical and Performance - Short Certificate SSCC

Automotive Mechanics EMCC
 Automotive Mechanics - Certificate SSCC
 AWS Welding - Apprenticeship ECCC
 Basic Manufacturing Skills Certification EMCC
 Calibration Technician (CCT) ATN
 CATIA CAD ATN
 Commercial Truck Driver Training EMCC
 Commercial Truck Driving MCC
 Commercial Truck Driving Program MCC
 Commercial Truck Driving - This is a revised/updated form MCC
 Computerized Numerical Control - AAS SSCC
 Computerized Numerical Control - Certificate SSCC
 C-Tech Cabling - Certification (Fiber/Copper) ECCC
 Diesel Mechanics SSCC
 Diesel Mechanics - Short Certificate SSCC
 Diesel Technology Short Term Certificate (STC) BSCC
 Drafting and Design Technology ECCC

Drafting and Design Technology EMCC
 Drafting Design Engineering Tech Certificate BSCC
 Drafting Design Engineering Technology BSCC
 Drafting Design Engineering Technology Certificate BSCC
 Drafting Design Engineering Technology Short Term Certificate BSCC
 Electronics Technology JCJC
 Electrical - Apprenticeship Program ECCC
 Electrical Maintenance ATN
 Electrical Tech Industrial Maintenance Option AAS BSCC
 Electrical Technology ECCC
 Electrical Technology EMCC
 Electrical Technology - AAS SSCC
 Electrical Technology - Certificate SSCC
 Electrical Technology - Certificate Option ECCC
 Electrical Technology - Short Certificate SSCC
 Electrical Technology AAS BSCC
 Electrical technology Certificate BSCC

Electrical Technology Industrial
Maintenance Option Certificate
BSCC
ELECTRICAL TECHNOLOGY
PROGRAM WCC
Electrical Technology Short Term
Certificate BSCC
Electronics Technology ECCC
Electronics Technology EMCC
Focused Industry Training AS CC
Forklift Operator Safety Training
SSCC
Heating & Air Conditioning Professional
Development SSCC
Heating and Air Conditioning
Technology - Certificate Option
ECCC
Industrial electronics Certificate
BSCC
Industrial electronics Short Term
Certificate BSCC
Industrial Electronics tech AAS
BSCC
Industrial Electronics Technology
SSCC
Industrial Electronics Technology -
Certificate SSCC
Industrial Electronics Technology -
Short Certificate SSCC
Industrial Maintenance ECCC
Industrial Maintenance - Apprenticeship
Program ECCC

Industrial Maintenance Technology
EMCC
Industrial Maintenance Technology -
Short Certificate SSCC
Industrial Maintenance ECCC
Industrial Motor Controls EMCC
Intro to Process Control and Precision
Measuring Devices EMCC
Lamar County Center of Technology
Automotive Service BSCC
Lamar County Center of Technology
Welding BSCC
Lamar County High School Precision
Machining BSCC
Lean Bronze ATN
Lean Gold ATN
Lean Silver ATN
Local Area Networking Technology
EMCC
Machine Shop JCJC
Machine Shop Technology ECCC
Machine Shop Technology - Certificate
Options ECCC
Machine Technology/ Millwright
Certificate AS CC
Machine Tool Operations EMCC
Machine Tool Technology MCC
Machine Tool Technology - AAS
SSCC
Machine Tool Technology - Certificate
SSCC

Machine Tool Technolgy - Short
Certificate SSCC
Machine Tool Technology AAS
BSCC
Machine Tool Technology Certificate
BSCC
Machine Tool Technology Short Term
Certificate BSCC
MACHINE TOOLS TECHNOLOGY
(MIT) WCC
Manager of Quality/Organizational
Excellence (CMQ/OE) ATN
Mechanical Maintenance ATN
PLC Training ATN
Pneumatics EMCC
Programmable Controllers (PLC)
EMCC
Project Management ATN
Quality Auditor (CQA) ATN
Quality Engineer (CQE) ATN
Quality Improvement Associate (CQIA)
ATN
Quality Inspector (CQI) ATN
Quality Process Analyst (CQPA)
ATN
Quality Technician (CQT) ATN
Reliability Engineer (CRE) ATN
Robotics JCJC
Six Sigma Black Belt (SSBB) ATN
Six Sigma Green Belt (SSGB) ATN
Software Quality Engineer (CSQE)
ATN

Telecommunications Technology - AAS degree MCC
 Truck Driver Training - Licensure/Certification ECCC
 Truck Driver Training Institute AS CC
 Truck Driving CDL non-credit BSCC
 Truck Driving Short Term Certificate BSCC
 Welding ATN
 Welding JCJC
 Welding SSCC
 Welding - Certificate SSCC
 Welding - Short Certificate SSCC
 Welding and cutting JCJC
 Welding and Cutting - Certificate Option ECCC
 Welding and Fabrication Technology EMCC
 Welding Certification & Testing SSCC
 Welding Short Term Certificate BSCC
 Welding Technology CER BSCC
 Welding Technology Certificate AS CC
 WELDING TECHNOLOGY PROGRAM WCC

WAEM Offerings: Automotive Service

30 CFR Electrical BSCC
 Air Conditioning & refrigeration Short Term Cert. (STC) BSCC
 Air Conditioning & Refrigeration Tech CER BSCC
 Associate Electronics Technology MCC
 Associate in Science degree AS CC
 Auto Body Repair Tech Certificate (CER) BSCC
 Auto Body Repair tech Short Term Cert (STC) BSCC
 Automotive Aluminum Welding Certification BSCC
 Automotive Chassis and Powertrain - Short Certificate SSCC
 Automotive Electrical and Performance - Short Certificate SSCC
 Automotive Mechanics EMCC
 Automotive Mechanics - Certificate SSCC
 Commercial Truck Driver Training EMCC
 Commercial Truck Driving MCC
 Commercial Truck Driving Program MCC
 Commercial Truck Driving - This is a revised/updated form MCC

Computerized Numerical Control - AAS SSCC
 Computerized Numerical Control - Certificate SSCC
 Diesel Mechanics SSCC
 Diesel Mechanics - Short Certificate SSCC
 Diesel Technology Short Term Certificate (STC) BSCC
 Drafting Design Engineering Tech Certificate BSCC
 Drafting Design Engineering Technology Certificate BSCC
 Drafting Design Engineering Technology Short Term Certificate BSCC
 Electrical Technology - AAS SSCC
 Electrical Technology - Certificate SSCC
 Electrical Technology - Short Certificate SSCC
 Electrical Technology AAS BSCC
 Electrical technology Certificate BSCC
 Electrical Technology Industrial Maintenance Option Certificate BSCC
 Electrical Technology Short Term Certificate BSCC
 Forklift Operator Safety Training SSCC

Heating & Air Conditioning Professional Development SSCC
 Industrial electronics Certificate BSCC
 Industrial electronics Short Term Certificate BSCC
 Industrial Electronics tech AAS BSCC
 Industrial Electronics Technology SSCC
 Industrial Electronics Technology - Certificate SSCC
 Industrial Electronics Technology - Short Certificate SSCC
 Industrial Maintenance Technology - Short Certificate SSCC
 Lamar County Center of technology Automotive Service BSCC
 Lamar County Center of Technology Welding BSCC
 Lamar County High School Precision Machining BSCC
 Machine Shop JCJC
 Machine Tool Technology MCC
 Machine Tool Technology Certificate BSCC
 Machine Tool Technology Short Term Certificate BSCC
 MACHINE TOOLS TECHNOLOGY (MIT) WCC
 Project Management ATN

Telecommunications Technology - AAS degree MCC
 Truck Driver Training - Licensure/Certification ECCC
 Truck Driver Training Institute AS CC
 Truck Driving CDL non-credit BSCC
 Truck Driving Short Term Certificate BSCC
 Welding SSCC
 Welding - Certificate SSCC
 Welding - Short Certificate SSCC
 Welding and cutting JCJC
 Welding Certification & Testing SSCC
 Welding Short Term Certificate BSCC
 Welding Technology CER BSCC
 Welding Technology Certificate AS CC

WAEM Offerings: Advanced Manufacturing

30 CFR Electrical BSCC
 AC Motor Theory and Maintenance EMCC
 Aircraft Avionics and Cabling (Adv Manufacturing)EMCC
 Aircraft Sheet Metal and Riveting (Adv. Manufacturing)EMCC

Associate in Applied Science Degree in Industrial Engineering Technology AS CC
 Associate in Applied Science Degree in Paper and Chemical Technology AS CC
 Associate in Science degree AS CC
 AutoCAD EMCC
 AWS Welding - Apprenticeship ECCC
 Basic Manufacturing Skills Certification EMCC
 Calibration Technician (CCT) ATN
 Carpentry - Short Certificate SSCC
 Certificate - Industrial Maintenance Trades MCC
 Commercial Truck Driver Training EMCC
 Commercial Truck Driving MCC
 Commercial Truck Driving Program MCC
 Commercial Truck Driving - This is a revised/updated form MCC
 C-Tech Cabling - Certification (Fiber/Copper) ECCC
 Diesel Technology Short Term Certificate (STC) BSCC
 Drafting and Design Technology ECCC
 Drafting and Design Technology EMCC

Drafting Design Engineering Tech Certificate BSCC
 Drafting Design Engineering Technology Certificate BSCC
 Drafting Design Engineering Technology Short Term Certificate BSCC
 Electronics Technology JCJC
 Electrical - Apprenticeship Program ECCC
 Electrical Maintenance ATN
 Electrical Technology ECCC
 Electrical technology Certificate BSCC
 Electrical Technology Industrial Maint Option Certificate BSCC
 ELECTRICAL TECHNOLOGY PROGRAM WCC
 Electrical Technology Short Term Certificate BSCC
 Electronics Technology ECCC
 Focused Industry Training AS CC
 Forestry JCJC
 Forestry Technology EMCC
 Horticulture and Pest Management SSCC
 Industrial electronics Certificate BSCC
 Industrial electronics Short Term Certificate BSCC
 Industrial Electronics tech AAS BSCC

Industrial Maintenance - Apprenticeship Program ECCC
 Industrial Maintenance ECCC
 Industrial Motor Controls EMCC
 Intro to Process Control and Precision Measuring Devices EMCC
 Lamar County Center of Technology Welding BSCC
 Lamar County High School Precision Machining BSCC
 Lean Bronze ATN
 Lean Gold ATN
 Lean Silver ATN
 Machine Shop JCJC
 Machine Shop Technology - Certificate Options ECCC
 Machine Technology/ Millwright Certificate AS CC
 Machine Tool Technology Certificate BSCC
 Machine Tool Technology Short Term Certificate BSCC
 MACHINE TOOLS TECHNOLOGY (MTT) WCC
 Manager of Quality/Organizational Excellence (CMQ/OE) ATN
 Mechanical Maintenance ATN
 PLC Training ATN
 Pneumatics EMCC
 Programmable Controllers (PLC) EMCC
 Project Management ATN

Quality Auditor (CQA) ATN
 Quality Engineer (CQE) ATN
 Quality Improvement Associate (CQIA) ATN
 Quality Inspector (CQI) ATN
 Quality Process Analyst (CQPA) ATN
 Quality Technician (CQT) ATN
 Reliability Engineer (CRE) ATN
 Robotics JCJC
 Six Sigma Black Belt (SSBB) ATN
 Six Sigma Green Belt (SSGB) ATN
 Software Quality Engineer (CSQE) ATN
 Truck Driver Training - Licensure/Certification ECCC
 Truck Driver Training Institute AS CC
 Truck Driving CDL non-credit BSCC
 Truck Driving Short Term Certificate BSCC
 Welding EMCC
 Welding JCJC
 Welding ATN
 Welding and cutting JCJC
 Welding Short Term Certificate BSCC
 Welding Technology CER BSCC
 Welding Technology Certificate AS CC

WELDING TECHNOLOGY
PROGRAM WCC

WAEM Offerings:

Biotechnology

Air Conditioning & Refrigeration Tech
CER BSCC
Associate in Science degree AS CC
Drafting Design Engineering Tech
Certificate BSCC
Drafting Design Engineering
Technology BSCC
Drafting Design Engineering
Technology Certificate BSCC
Drafting Design Engineering
Technology Short Term Certificate
BSCC
Electrical technology Certificate
BSCC
Electrical Technology Industrial Maint
Option Certificate BSCC
Electrical Technology Short Term
Certificate BSCC
Industrial electronics Short Term
Certificate BSCC
Industrial Electronics tech AAS
BSCC
PLC Training ATN
Telecommunications Technology - AAS
degree MCC

WAEM Offerings: Construction

2005 National Electric Code EMCC
30 CFR Electrical BSCC
AAS degree in Horticulture MCC
AESTD Brick Masonry AS CC
Air Conditioning & Refrigeration AAS
BSCC
Air Conditioning & refrigeration Short
Term Cert. (STC) BSCC
Air Conditioning and Refrigeration -
Short Certificate SSCC
Air Conditioning and Refrigeration
Technology - AAS SSCC
Air Conditioning and Refrigeration
Technology - Certificate SSCC
Air Conditioning and Refrigeration-
AESTD AS CC
Air Conditioning and Refrigeration-
AESTD Advanced AS CC
Ammonia Refrigeration JCJC
Associate in Science degree AS CC
Autocad ATN
AutoCAD EMCC
AWS Welding - Apprenticeship
ECCC
Basic Carpentry EMCC
Bricklaying EMCC
Carpentry - Short Certificate SSCC
Carpentry and Cabinet Making -
Certificate Options ECCC
Carpentry Apprenticeship ECCC

Certificate - Industrial Maintenance
Trades MCC
Civil Engineering JCJC
Commercial Electrical EMCC
Commercial Truck Driver Training
EMCC
Commercial Truck Driving MCC
Commercial Truck Driving Program
MCC
Commercial Truck Driving - This is a
revised/updated form MCC
Concrete Certification ATN
Construction Electricity Certificate
AS CC
Construction Trades Certificate
MCC
C-Tech Cabling - Certification
(Fiber/Copper) ECCC
Diesel Technology Certificate BSCC
Diesel Technology Short Term
Certificate (STC) BSCC
Drafting - Technology - Certificate
SSCC
Drafting and Design JCJC
Drafting and Design Technology
ECCC
Drafting and Design Technology
WCC
Drafting and Design Technology -
Associate of Applied Science MCC
Drafting Design Engineering Tech
Certificate BSCC

Drafting Design Engineering
 Technology BSCC
 Drafting Design Engineering
 Technology Certificate BSCC
 Drafting Design Engineering
 Technology Short Term Certificate
 BSCC
 Drafting Technology - AAS SSCC
 Drafting Technology - Short Certificate
 SSCC
 Electrical - Apprenticeship Program
 ECCC
 Electrical Lineman Program EMCC
 Electrical Tech Industrial Maintenance
 Option AAS BSCC
 Electrical Technology ECCC
 Electrical Technology EMCC
 Electrical Technology - Certificate
 Option ECCC
 Electrical Technology AAS BSCC
 Electrical technology Certificate
 BSCC
 Electrical Technology Industrial Maint
 Option Certificate BSCC
 electrical Technology Short Term
 Certificate BSCC
 Focused Industry Training AS CC
 Forklift Operator Safety Training
 SSCC
 Heating & Air Conditioning Professional
 Development SSCC
 Heating and Air Conditioning JCJC

Heating and Air Conditioning -
 Apprenticeship Program ECCC
 Heating and Air Conditioning
 Technology ECCC
 Heating and Air Conditioning
 Technology - Certificate Option
 ECCC
 Heavy Equipment Operator - Short
 Certificate SSCC
 HVAC, Modules 1 - 4 EMCC
 Industrial electronics Short Term
 Certificate BSCC
 Industrial Electronics tech AAS
 BSCC
 Lamar County Center of technology
 Automotive Service BSCC
 Lamar County Center of Technology
 Welding BSCC
 Lamar County High School Precision
 Machining BSCC
 LIFE/TECH PLUMBING AS CC
 LIFE/TECH CARPENTRY AS CC
 LIFE/TECH PAINTING AND DRY
 WALL AS CC
 LIFE/TECH RESIDENTIAL WIRING
 AS CC
 LIFE/TECH WELDING AS CC
 Machine Tool Technology AAS
 BSCC
 Machine Tool Technology Certificate
 BSCC

Machine Tool Technology Short Term
 Certificate BSCC
 Masonry WCC
 Plumbing EMCC
 Plumbing Apprenticeship ECCC
 Pneumatics EMCC
 Project Management ATN
 Residential Blueprint Reading EMCC
 Residential Carpentry Apprenticeship
 ECCC
 Residential Electricity EMCC
 Telecommunications Technology - AAS
 degree MCC
 Transformers and Primary Distribution
 System Theory EMCC
 Truck Driver Training -
 Licensure/Certification ECCC
 Truck Driver Training Institute
 AS CC
 Truck Driving CDL non-credit
 BSCC
 Truck Driving Short Term Certificate
 BSCC
 Welding SSCC
 Welding EMCC
 Welding JCJC
 Welding - Short Certificate SSCC
 Welding and cutting JCJC
 Welding and Cutting - Certificate Option
 ECCC
 Welding and Fabrication Technology
 EMCC

Welding Certification & Testing
SSCC
Welding Short Term Certificate
BSCC
Welding Technology CER BSCC
Welding Technology Certificate
AS CC
WELDING TECHNOLOGY
PROGRAM WCC

**WAEM Offerings: Food
Production**

Air Conditioning & Refrigeration Tech
CER BSCC
Air Conditioning and Refrigeration-
AESTD AS CC
Ammonia Refrigeration JCJC
Associate in Applied Science Degree in
Industrial Engineering Technology
AS CC
Associate in Science degree AS CC
Calibration Technician (CCT) ATN
Certificate in Hospitality Operations
through AHLA MCC
Certificate of Specialization in Food &
Beverage Management through AHLA
MCC
Commercial Food Service - Short
Certificate SSCC
Culinary Arts - AAS SSCC

Drafting Design Engineering Tech
Certificate BSCC
Drafting Design Engineering
Technology Certificate BSCC
Drafting Design Engineering
Technology Short Term Certificate
BSCC
Electrical - Apprenticeship Program
ECCC
Electrical Maintenance ATN
Electrical Technology - Certificate
Option ECCC
Electrical technology Certificate
BSCC
electrical Technology Short Term
Certificate BSCC
Electronics Technology EMCC
Focused Industry Training AS CC
Food Production & Management
JCJC
Food Production Tech. JCJC
Heating and Air Conditioning -
Apprenticeship Program ECCC
Heating and Air Conditioning
Technology ECCC
Heating and Air Conditioning
Technology - Certificate Option
ECCC
Hotel/Restaurant Management
Technology ECCC
Industrial electronics Certificate
BSCC

Industrial electronics Short Term
Certificate BSCC
Industrial Electronics tech AAS
BSCC
Industrial Maintenance ECCC
Industrial Maintenance - Apprenticeship
Program ECCC
Industrial Maintenance ECCC
Lean Bronze ATN
Lean Gold ATN
Lean Silver ATN
Machine Tool Technology MCC
Manager of Quality/Organizational
Excellence (CMQ/OE) ATN
Meat Merchandising JCJC
Mechanical Maintenance ATN
PLC Training ATN
Programmable Controllers (PLC)
EMCC
Quality Auditor (CQA) ATN
Quality Engineer (CQE) ATN
Quality Improvement Associate (CQIA)
ATN
Quality Inspector (CQI) ATN
Quality Process Analyst (CQPA)
ATN
Quality Technician (CQT) ATN
Reliability Engineer (CRE) ATN
Responsible vender training SSCC
ServSafe JCJC
Six Sigma Black Belt (SSBB) ATN
Six Sigma Green Belt (SSGB) ATN

Software Quality Engineer (CSQE)
ATN
Welding ATN

WAEM Offerings: Geospatial

Air Conditioning & refrigeration Short
Term Cert. (STC) BSCC
Associate in Science degree AS CC
Autocad ATN
AutoCAD EMCC
Drafting and Design Technology
ECCC
Drafting and Design Technology
EMCC
Drafting Design Engineering Tech
Certificate BSCC
Drafting Design Engineering
Technology BSCC
Drafting Design Engineering
Technology Certificate BSCC
Drafting Design Engineering
Technology Short Term Certificate
BSCC
Electrical technology Certificate
BSCC
Electrical Technology Short Term
Certificate BSCC
Electronics Technology EMCC
Forestry JCJC

Industrial electronics Short Term
Certificate BSCC
Industrial Electronics tech AAS
BSCC
IT Academy SSCC

WAEM Offerings: Healthcare

Advanced cardiac Life Saver Renewal
CEU BSCC
Advanced Cardiac Life Support
BSCC
Advanced Cardiac Life Support CEU
BSCC
AESTD Nurse Aide AS CC
American Heart Association JCJC
Associate Degree in Applied Science--
Nursing RN AS CC
Associate Degree Nursing ECCC
Associate Degree Nursing (ADN)
WCC
Associate Degree Nursing - Associate of
Applied Science MCC
Associate in Science degree AS CC
Association or Operating Room Nurses
CEU BSCC
Certified Nurse Assistant - Certificate
ECCC
Certified Nursing Assistant EMCC
Dental Assisting Program - Certificate
MCC

Dental Hygiene Technology - Associate
of Applied Science MCC
Diversified Nursing CEU BSCC
Drafting Design Engineering
Technology Certificate BSCC
EKG/Cardiovascular Technician
Certification program ASCC
Electrical Technology Short Term
Certificate BSCC
Electronics Technology EMCC
Emergency Med Technology JCJC
Emergency Medical Paramedic AAS
BSCC
Emergency Medical Paramedic Basic
Short Term Certificate BSCC
Emergency Medical Paramedic CER
BSCC
Emergency Medical Technology -
Paramedic ECCC
EMT/Paramedic ATN
EMT-Basic EMCC
Fire Protection Technology (AAS) /
Emergency Management &
Communications Technology (AAS) /
Emergency Medical Technician-Basic
Level (Certificate) / NFPA Fire Officer
Level III (Certification) MCC
Health Care Assistant/Aide (CNA)
EMCC
Health Care Assistant JCJC
Health Care Assistant MCC

Health Information Technology -
 Associate of Applied Science MCC
 Healthcare Assistant - Certificate
 ECCC
 Healthcare Provider BSCC
 Heartsaver First Aid CEU ATN
 BSCC
 Industrial Electronics tech AAS
 BSCC
 IV Therapy Certification Course,
 Expanded Role for the LPN MCC
 Lamar County Center of Technology
 Health Sciences BSCC
 Licensed Practical Nurse CER BSCC
 Local Area Networking Technology
 EMCC
 LPN WCC
 Medical Billing and Coding Career Track
 AS CC
 Medical Billing and Coding Professional
 AS CC
 Medical Coding EMCC
 Medical Human Anatomy and
 Physiology EMCC
 Medical Laboratory Technology -
 Associate of Applied Science MCC
 Medical Office Technology JCJC
 Medical Office Technology MCC
 Medical Terminology EMCC
 Medical Transcription EMCC
 Nursing - AAS SSCC
 Nursing (RN) WCC

Nursing AAS BSCC
 Nursing Assistant AS CC
 Nursing Assistant SSCC
 Nursing Assistant Program WCC
 Nursing Associate Degree JCJC
 Nursing Fast Track JCJC
 Nursing LPN JCJC
 Office Administration Medical
 Administrative Assistant Short Term
 Certificate BSCC
 Office Administration Medical
 Administrative Assistant CER BSCC
 Ophthalmic Technology EMCC
 Pediatric Advanced Life Saver Renewal
 CEU BSCC
 Pediatric Education for Pre Hospital
 Professionals CEU BSCC
 Pharmacy Tech JCJC
 Pharmacy Technician - Certification
 Course ECCC
 Pharmacy Technician Certification
 Program AS CC
 Pharmacy Technology Career Track
 AS CC
 Phlebotomy EMCC
 Phlebotomy Technician Certification
 AS CC
 Physical Therapist Assistant - Associate
 of Applied Science MCC
 PLC Training ATN
 Practical Nursing AS CC
 Practical Nursing ECCC

Practical Nursing - Certificate SSCC
 Practical Nursing Certificate AS CC
 Practical Nursing Program MCC
 Radiologic Technology - Associate of
 Applied Science MCC
 Respiratory Therapist SSCC
 Respiratory Therapist - Associate of
 Applied Science MCC
 Sonography JCJC
 Surgery Technology BSCC
 Surgical Technology ECCC
 Surgical Technology - certificate
 MCC
 Surgical Technology Short Term Cert
 BSCC
 Upward Mobility Associate in Applied
 Science Degree Nursing--Registered
 Nursing AS CC

**WAEM Offerings: Information
 Technology**

Air Conditioning & refrigeration Short
 Term Cert. (STC) BSCC
 Air Conditioning & Refrigeration Tech
 CER BSCC
 Associate Electronics Technology
 MCC
 Associate in Applied Science Business
 Technology AS CC
 Associate in Science degree AS CC
 AutoCAD ATN

AutoCAD EMCC
 Automation and Control Technology
 EMCC
 Automotive Chassis and Powertrain -
 Short Certificate SSCC
 Automotive Electrical and Performance
 - Short Certificate SSCC
 Automotive Mechanics - Certificate
 SSCC
 Broadcasting/Telecommunication
 JCJC
 Certificate - Industrial Maintenance
 Trades MCC
 CISCO JCJC
 CISCO CCNA ATN
 CISCO CCNP ATN
 Commercial Truck Driver Training
 EMCC
 Commercial Truck Driving MCC
 Commercial Truck Driving Program
 MCC
 Commercial Truck Driving - This is a
 revised/updated form MCC
 Comp Science A+ Short Term Cert
 BSCC
 Computer Information Systems
 WCC
 Computer Networking Technology
 ECCC
 Computer Networking Technology
 MCC

Computer Operations - Certificate
 Option ECCC
 Computer Programming ECCC
 Computer Repair EMCC
 Computer Science AAS BSCC
 Computerized Numerical Control - AAS
 SSCC
 Computerized Numerical Control -
 Certificate SSCC
 C-Tech Cabling - Certification
 (Fiber/Copper) ECCC
 Diesel Mechanics SSCC
 Diesel Technology Certificate BSCC
 Drafting and Design Technology
 ECCC
 Drafting and Design Technology
 EMCC
 Drafting Design Engineering Tech
 Certificate BSCC
 Drafting Design Engineering
 Technology BSCC
 Drafting Design Engineering
 Technology Certificate BSCC
 Dreamweaver ATN
 Electronics Technology JCJC
 Electrical - Apprenticeship Program
 ECCC
 Electrical Tech Industrial Maintenance
 Option AAS BSCC
 Electrical Technology ECCC
 Electrical Technology EMCC
 Electrical Technology - AAS SSCC

Electrical Technology - Certificate
 SSCC
 Electrical Technology - Certificate
 Option ECCC
 Electrical Technology - Short Certificate
 SSCC
 Electrical Technology AAS BSCC
 Electrical technology Certificate
 BSCC
 Electrical Technology Industrial Maint
 Option Certificate BSCC
 electrical Technology Short Term
 Certificate BSCC
 Electronics Technology EMCC
 Electronics Technology ECCC
 Forklift Operator Safety Training
 SSCC
 Front Page ATN
 Heating & Air Conditioning Professional
 Development SSCC
 Heating and Air Conditioning
 Technology ECCC
 Heating and Air Conditioning
 Technology - Certificate Option
 ECCC
 Heavy Equipment Operator - Short
 Certificate SSCC
 Industrial electronics Certificate
 BSCC
 Industrial electronics Short Term
 Certificate BSCC

Industrial Electronics tech AAS
BSCC

Industrial Electronics Technology
SSCC

Industrial Electronics Technology -
Certificate SSCC

Industrial Electronics Technology -
Short Certificate SSCC

Industrial Maintenance ECCC

Industrial Maintenance - Apprenticeship
Program ECCC

Industrial Maintenance Technology
EMCC

Industrial Maintenance Technology -
Short Certificate SSCC

Industrial Maintenance ECCC

Information Processing Option
WCC

IT Academy SSCC

Lamar County Center of Technology
Welding BSCC

LIFE TECH INVENTORY CLERK
AS CC

Local Area Networking Technology
EMCC

Machine Shop Technology ECCC

Machine Shop Technology - Certificate
Options ECCC

Machine Tool Operations EMCC

Machine Tool Technology MCC

Machine Tool Technology - AAS
SSCC

Machine Tool Technology - Certificate
SSCC

Machine Tool Technology - Short
Certificate SSCC

Machine Tool Technology AAS
BSCC

Machine Tool Technology Certificate
BSCC

Machine Tool Technology Short Term
Certificate BSCC

MCSE ATN

Microsoft ATN

Office Administration Computer
Applications Cert BSCC

PLC Training ATN

Programmable Controllers (PLC)
EMCC

Programming and Networking - AAS
SSCC

Project Management ATN

Security ATN

Server ATN

Telecommunications Technology - AAS
degree MCC

Truck Driver Training -
Licensure/Certification ECCC

VB.Net ATN

Web Design ATN

Web Development Technology
MCC

Welding SSCC

Welding - Certificate SSCC

Welding - Short Certificate SSCC

Welding and Cutting - Certificate Option
ECCC

Welding and Fabrication Technology
EMCC

Welding Certification & Testing
SSCC

Welding Short Term Certificate
BSCC

Welding Technology CER BSCC

WAEM Offerings:

Timber/Forestry

Associate in Applied Science Degree in
Paper and Chemical Technology
AS CC

Associate in Science degree AS CC

Calibration Technician (CCT) ATN

Carpentry - Short Certificate SSCC

Certificate - Industrial Maintenance
Trades MCC

Commercial Truck Driver Training
EMCC

Commercial Truck Driving MCC

Commercial Truck Driving Program
MCC

Commercial Truck Driving - This is a
revised/updated form MCC

Diesel Technology Certificate BSCC

Diesel Technology Short Term
Certificate (STC) BSCC

Drafting and Design Technology
EMCC

Drafting Design Engineering Tech
Certificate BSCC

Drafting Design Engineering
Technology Certificate BSCC

Drafting Design Engineering
Technology Short Term Certificate
BSCC

Electrical - Apprenticeship Program
ECCC

Electrical Maintenance ATN

Electrical technology Certificate
BSCC

Electrical Technology Industrial Maint
Option Certificate BSCC

Electrical Technology Short Term
Certificate BSCC

Electronics Technology ECCC

Focused Industry Training AS CC

Forestry JCJC

Forestry Professional Development
SSCC

Forestry Technology EMCC

Forklift Operator Safety Training
SSCC

Industrial electronics Certificate
BSCC

Industrial electronics Short Term
Certificate BSCC

Industrial Maintenance - Apprenticeship
Program ECCC

Lamar County Center of Technology

Welding BSCC

Lean Bronze ATN

Lean Gold ATN

Lean Silver ATN

Machine Shop Technology ECCC

Machine Shop Technology - Certificate
Options ECCC

Machine Tool Technology MCC

Manager of Quality/Organizational
Excellence (CMQ/OE) ATN

Mechanical Maintenance ATN

PLC Training ATN

Project Management ATN

Quality Auditor (CQA) ATN

Quality Engineer (CQE) ATN

Quality Improvement Associate (CQIA)
ATN

Quality Inspector (CQI) ATN

Quality Process Analyst (CQPA)
ATN

Quality Technician (CQT) ATN

Reliability Engineer (CRE) ATN

Six Sigma Black Belt (SSBB) ATN

Six Sigma Green Belt (SSGB) ATN

Software Quality Engineer (CSQE)
ATN

Truck Driver Training -
Licensure/Certification ECCC

Truck Driver Training Institute
AS CC

Truck Driving CDL non-credit
BSCC

Truck Driving Short Term Certificate
BSCC

Welding ATN

Welding and Fabrication Technology
EMCC

Welding Certification & Testing
SSCC

Welding Short Term Certificate
BSCC

Welding Technology CER BSCC

WAEM Offerings:

Travel/Tourism

Certificate in Hospitality Operations
through AHLA MCC

Certificate of Specialization in Food &
Beverage Management through AHLA
MCC

Commercial Food Service - Short
Certificate SSCC

Culinary Arts - AAS SSCC

Diesel Technology Certificate BSCC

Hotel and Restaurant Management
Technology EMCC

Hotel/Restaurant Management
Technology ECCC

Hunter Education AS CC

ServSafe JCJC

ServSafe MCC

WAEM Offerings: Mining

Associate in Science degree AS CC
Initial Electrical Certification Mining
BSCC
Mine Rescue BSCC
Mining Impoundment Recertification
Surface BSCC
New Miner Surface Coal BSCC
New Miner Surface Initial BSCC
Surface New Miner BSCC
Underground New Miner Coal BSCC

WAEM Offerings: Human

Services

Associate of Applied Science-Early
Childhood Education Technology
MCC
Child Care Worker JCJC
Child Development AAS BSCC
Child Development Certificate BSCC
Child Development Short Term
Certificate (STC) BSCC
Child Development Technology
ECCC
CRIMINAL JUSTICE WCC
Criminal Justice - Certificate SSCC
Job Readiness EMCC
Law Enforcement Training EMCC
Management and Supervision - Child
Care SSCC

WAEM Offerings: Personal

Services

Cosmetology AS CC
Cosmetology EMCC
Cosmetology JCJC
Cosmetology MCC
Cosmetology - Aesthetics - Certificate
SSCC
Cosmetology - Certificate ECCC
Cosmetology - Certificate SSCC
Cosmetology - Instructor Training -
Short Certificate SSCC
Cosmetology - Nail Technician - Short
Certificate SSCC
Cosmetology - Nail Technician Short
Term Certificate AS CC
Cosmetology (SOS) Program WCC
Cosmetology Certificate AS CC
Cosmetology Certificate BSCC
Funeral Service Technology EMCC
Lamar County Center of Technology
Cosmetology BSCC
Wellness and Fitness Management - AAS
SSCC
Wellness Exercise Instructor - Short
Certificate SSCC

WAEM Offerings:

Transportation

Commercial Truck Driver Training
EMCC

Commercial Truck Driving MCC
Commercial Truck Driving Program
MCC
Commercial Truck Driving - This is a
revised/updated form MCC
Truck Driver Training -
Licensure/Certification ECCC
Truck Driver Training Institute
AS CC
Truck Driving CDL non-credit
BSCC
Truck Driving Short Term Certificate
BSCC

WAEM Offerings: Office

Associate of Applied Science in Business
& Marketing Management Technology
MCC
Associate in Applied Science Business
Technology AS CC
Banking and Finance Technology
EMCC
Business Administration (BUS) Program
WCC
Business and Marketing Technology
EMCC
Business and Office Technology
MCC
Business and Office Technology
ECCC

Business Management Tech. Associate
JCJC
Business Office Assistant - Certificate
Option ECCC
Comp Science MOUS Cert BSCC
COMPUTER LITERACY AS CC
Computer Information Systems
JCJC
Computer Networking Technology
ECCC
Computer Operations - Certificate
Option ECCC
Computer Programming JCJC
General Business SSCC
HRM Certification ATN
Information Processing Option
WCC
Marketing Management JCJC
Medical Billing and Coding Career Track
AS CC
Medical Office Technology JCJC
Medical Office Technology MCC
Medical Office Technology EMCC
Office Administration - AAS SSCC
OFFICE ADMINISTRATION 4
OPTIONS WCC
Office Administration Accounting
Certificate BSCC
Office Administration Accounting
Option BSCC
Office Administration Administrative
Assistant Cert. BSCC

Office Administration Administrative
Assistant AAS BSCC
Office Administration Administrative
Assistant Short Term Cert BSCC
Office Administration Computer
Applications AAS BSCC
Office Administration Computer
Applications Cert BSCC
Office Administration Computer
Applications Short Term Certificate
BSCC
Office Administration Legal
Administrative assistant AAS BSCC
Office Administration Legal Assistant
Certificate BSCC
Office Administration Legal Assistant
Short Term Certificate (STC) BSCC
Office Administration
Marketing/Management AAS BSCC
Office Administration Medical
Administrative Assistant Short Term
Certificate BSCC
Office Administration Medical
Administrative Assistant AAS BSCC
Office Administration Medical
Administrative Assistant CER BSCC
Office Administration Small Business
Management Cer BSCC
Office System Tech JCJC
Office Systems Technology EMCC
Paralegal JCJC
Paralegal - AAS SSCC

Paralegal AAS BSCC
Paralegal Certificate BSCC
Reserve Law Enforcement Officer
Training Program MCC
Supervision and Management
Technology EMCC

WAEM Offerings: Cross-Sector

ABE/GED ECCC
American Sign Language BSCC
Comp Science MOUS Cert BSCC
CPR Certification ATN
CPR Certification BSCC
FIT ATN
Focused Industry Training Non-Credit
BSCC
GED Preparation AS CC
General Business SSCC
Heart Saver Automatic Electronic
Defibrillator CEU BSCC
Heart saver CPR CEU ATN BSCC
Job Readiness EMCC
Supervision and Management
Technology EMCC
TABE ATN
Work Keys Targeted Instruction
SSCC

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