

# Advisory Committee Meeting Record

CHAIRPERSON: Willie Resto, Centex Technologies, President & CEO		
MEETING DATE: 11 November 2024	MEETING TIME: 10:00am	MEETING PLACE: Microsoft Teams
RECORDER: Julio Torres Matos		PREVIOUS MEETING: 3 November 2023

MEMBERS: (P = Present)

OTHERS PRESENT:

(P?)	Name and Title (List all	Business Affiliation	Name and Title
A	Mr. Willie Resto	City of Killeen, Executive Director, IT Services	William Jones, Director of career services at CTC
A	Mr. John Hocking	Centex Technologies, Chief Technology Officer	Jeanette Campbell, associate Dean of Instructional Accountability curriculum support
P	Mr. Adam Ward	Bell County, Director, Technology Services	Savanna Brandy, Academic Advising CTC
P	Ms. Ashley Shoop	First National Bank Texas, Dir. Application Solutions, Sr. Vice	McGough Lesley, Curriculum support services here at CTC
P	Dr. Nicole Koch	KISD, Director of Network & Security Operations	
P	Mr. Carl Elkins	Advent Health Systems, IT Director	
A	Mr. Charley Ayers	Workforce Solutions of Central Texas, Director, Industry-Education Partnerships	
A	Mr. Danny Cantrell	CGI Group, Inc., Technologies & Solutions, Deputy IT Director	
A	Mr. Brnadon Chinn	G6 Director, U.S. Army Operational Test Command	
P	Mr. Gary Bates	Director of Information Services, City of Harker Heights	
P	Mr. Jack Ward	Owner Strykersoft LLC	
P	Mr. John Stasulli	VP & CTO defense & Space Engineering Solutions Pearson Fellow	
A	Mr. Jon Orman	Project Manager, Strykrsoft LLC	
P	Mr. Stanley Stinehour	Forensics Lab Manager Syntex	

P	Mr. Ron McNamara	Operations Manager, Trideum	
P	Mr. Stevens Sanders	Salesforce Solutions Engineer	
P	Ms. Sussan Askew	PE, CPE, Principal Systems Engineer Trideum	
P	Mr. Jim Kaiser	CISO for first community services here in Killeen	
P	Dr. Katherine Oser	Department Chair, Computer Info Tech & Systems	
P	Mr. Shain Currington	Professor, CITS	
P	Mr. Shawn Grigsby	Professor, CITS	
P	Mr. Jeffery Thompson	Professor, CITS	
P	Ms. Tracy Martin	Professor, CITS	
P	Ms. Jacqueline Van Dyke	Professor, CITS	
P	Mr. Norman Ahlhelm	Professor, CITS	
P	Ms. Karen Owens	Online Manager & Professor, CITS	
P	Mr. Julio Torres Matos	Lab Coordinator, CITS	
P	Mr. Brian Menadue	Asst. Lab Coordinator, CITS	
P	Ms. Kira Savage	Office Assistant, CITS	

## AGENDA

Agenda Item	Action, Discussion, Information	Responsibility
Introductions		
Review Minutes from Last Meeting	Emailed to all.	
Old Business:	Department / Campus Updates	
New Business:	Existing Program & Curricula / Proposed changes	

## MINUTES

Key Discussion Points	Discussion
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<b>Old Business:</b>	Department / Campus Updates
Department chair change:	<p>Katherine Oser welcomed attendees to the Fall Advisory Committee meeting for Computer Information Technology and Systems Department at CTC. She noted the absence of the committee chair, Mr. Resto, and temporarily led the meeting.</p> <p>Katherine Oser announced her recent transition from department chair to Dean of Workforce Education, Academic Outreach, and Lifelong Learning. The search for a new department chair is underway.</p>
HB8 influenced program revisions:	HB8 prompted new pathways in the department's program, effective from the past fall semester. The IT core fundamentals course, which is now required, allows students to proceed through level 1 and 2 certifications before earning an Associate of Applied Science degree. Positive student feedback was noted.
Social media and Digital Marketing pathway:	This pathway was developed in partnership with the Business Administration Department to include a technical and marketing track, awaiting board approval.
NCAE Grant:	CTC partnered with Baylor University, McLennan Community College, and other institutions for an NCAE Grant to expand cybersecurity education nationwide. The grant funds a full-time faculty member, an internship coordinator, and materials for student scholarships.
Fort Cavazos CSP:	A fast-track cybersecurity program proposal for exiting soldiers is being presented to DoD leadership. This program offers a pathway to 12 industry certifications and internship opportunities within 15 weeks.
Graduates:	A five-year graduate data table was reviewed. Anticipation of increased graduation rates was discussed due to the new program structure with foundational, level 1, level 2, and associate degrees.
<b>New Business:</b>	Existing Program & Curricula

<ul style="list-style-type: none"> <li>• BILT discussion</li> </ul>	<p>The BILT model was introduced as a more collaborative, advisory structure for curriculum development. Industry members were encouraged to actively participate in curriculum adjustments and trends discussions.</p>
<ul style="list-style-type: none"> <li>• Cert alignments discussion</li> </ul>	<p>Discussion centered on relevant certifications such as systems engineering and industry-specific requirements. Various organizations offer certifications, including OMG for systems engineering and INCOSE for systems modeling, supporting a broader approach to career paths.</p>
<b>New Business:</b>	Proposed changes
<ul style="list-style-type: none"> <li>• New OSA exit points</li> </ul>	<p>Occupational Skills Awards (OSA) Update  <b>Network Server and Cloud Administrator OSA</b></p> <p>Modified to offer flexibility with an option between Linux Installation and Configuration or Computer Virtualization to better align with industry needs. The Computer Virtualization course includes both Linux and Windows operating systems, meeting the demand for multi-OS proficiency, especially in cloud and network environments.</p> <p><b>Cyber Defense Information Assurance OSA</b></p> <p>No changes were made. This OSA includes:</p> <ul style="list-style-type: none"> <li>• Linux Installation and Configuration</li> <li>• Fundamentals of Networking Technologies</li> <li>• Information Technology Security</li> <li>• Firewalls and Network Security</li> </ul> <p>This program remains focused on key skills essential for entry-level roles in cyber defense and information assurance.</p>

### **Information Technologies OSA**

No structural changes, but an emphasis was placed on ensuring students understand platform-as-a-service (PaaS) concepts. This OSA includes:

- Programming Logic and Design or Programming Logic and Design (transferable course)
- Fundamentals of Networking Technology
- IT Project Management
- Information Technology Security

### **Network Administrator OSA**

Modified by replacing Computer Hardware and Introduction to Computers with Client Operating Systems and Linux Installation and Configuration. This update was made to better equip students with skills directly relevant to network administration roles, aligning the curriculum with both client-side and server-side competencies.

### **Database and Systems Administrator OSA**

Newly introduced to provide skills for database management and systems administration roles, including:

- Introduction to Computer Programming
- Programming Logic and Design
- Introduction to Database
- Database Programming

This OSA was developed in response to industry demand for skills in database administration, data analytics, and programming integration.

<ul style="list-style-type: none"> <li>• New Software Developer pathway</li> </ul>	<p>The newly introduced Software Developer Pathway includes multiple exit points to support both academic and workforce-focused students:</p> <p><b>Associate of Applied Science (AAS) in Software Development</b></p> <p>Designed for students aiming to enter the workforce as software developers with a comprehensive skill set. This program covers: Introductory courses in programming logic, computer architecture, and data structures. Advanced topics in object-oriented programming, database management, and data structures. Option for a capstone course in Advanced Computer Programming or an Internship, allowing students to apply skills in a practical environment.</p> <p><b>Level 2 Certificate in Software Development</b></p> <p>Completes core foundational courses from Level 1 and adds: Database Management, Object-Oriented Programming, and Advanced Programming (covering data structures and algorithms). It is ideal for students seeking a condensed program that equips them with essential software development skills.</p> <p><b>Occupational Skills Award (OSA) in Software Development</b></p> <p>A short, specialized program for individuals with prior industry experience who want to gain or update core programming skills. Includes courses in Programming Logic, Fundamentals of Programming, Database, and Object-Oriented Programming. This OSA provides a rapid pathway for skill advancement or career shifts within software development.</p>
<p><b>New Business:</b></p>	<p>Industry Perspective and Discussion</p>

Employment trends	Industry members highlighted emerging trends such as AI, ethics in AI, and quantum computing's potential impact on encryption and cybersecurity. Recommendations include introducing workshops or courses to familiarize students with AI concepts and ethical implications.
Knowledge, Skills, and Abilities recommendations	Suggestions for AI workshops and quantum computing integration were noted for further exploration in the KSA meeting planned for the following spring.
<b>Closing</b>	Concluding remarks / Adjournment  Katherine Oser expressed gratitude to attendees for their collaboration over the years. She confirmed her ongoing involvement as Dean in support of workforce education and program development. The meeting concluded with seasonal greetings and well-wishes for Thanksgiving and Christmas.
	Meeting ended at 11:30am
Due before next meeting	
	<b>Other Discussion:</b>
	None
	Meeting adjourned at 11:30 am
Curriculum Decisions:	Input to be emailed to Dept. Chair
Other:	

CHAIRPERSON SIGNATURE (or designee): Dr. Katherine Oser	DATE: 11/8/2024	NEXT MEETING: 11/8/2025
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