

NCATC Summer Workshop Breakout Sessions

June 9, 2011

Track 1: Standardizing Curriculum to Meet Industry's Needs

Session 1 – Introducing the AMTEC Curriculum

This session is an overview of the AMTEC curriculum soon to be released with a demonstration of the interactive modules.

Presenters: **Walt Barlow**, *Curriculum & Assessment Specialist, AMTEC*
Gary Saganski, *Skilled Trades, Apprenticeship & Corporate Training, Henry Ford Community College and CoPI, AMTEC*
Donna Zimmerman, *Instructor, Technology Division Ivy Tech Community College and Instructional Designer and Module Developer, AMTEC*

Session 2 – AMTEC Virtual Trainer

Created to closely mimic the real world, the AMTEC Virtual Trainer places a student in a virtual manufacturing environment allowing the student to participate in case-based learning scenarios. Immersed in this interactive environ, students must react to maintenance issues that arise, troubleshoot faults, and perform reparative actions using the same means and methods required in the actual plant setting. Operating in a virtual world presents students with the opportunity to make mistakes, view the consequences, and ultimately succeed in performing general maintenance tasks in a manner that increases retention and shortens the learning cycle.

Presenters: **Jamie Justice**, *KCTCS Director of Visualized Learning and Innovation*
Mary Helen Hendrix, *Director KCTCS Interactive Digital Center*

Session 3 – Introducing the AMTEC Curriculum (*Repeat*)

Session 4 – The Evaluation Process: AMTEC's Balanced Score Card

AMTEC has chosen the Balanced Score Card as the method to evaluate AMTEC's success. The results of the BSC will focus on the items that create and balance value for AMTEC's key stakeholders — students, incumbent and future workforce, the community, suppliers, partners, and the public. The use of a balanced composite of leading and lagging performance measures offers an effective means to communicate short- and longer-term priorities, monitor actual performance, and provide a clear basis for improving results.

The balanced scorecard suggests that we view the organization from four perspectives, and to develop metrics, collect data and analyze it relative to each of these perspectives:

Presenter: **Dr. Katherine (Kitty) Manley**, *Professor, Ferris State University,
Director, Michigan Center for Career and Technical Education (CTE)
and Assessment Specialist, AMTEC*

Track 2: Providing a Pipeline Through Career Pathways

Session 1 – The AMTEC Career Pathway Model and an AMTEC Best Practice Model

This session will focus on the AMTEC Career Pathway Model developed after months of research on promising practices. The session will also include a demonstration of the Toyota/BCTC career pathway based on the AMTEC work.

Presenters: **Dr. Stanley Chase**, *Management Consultant, Lansing Community College
& AMTEC Career Pathway Goal Team 2 Member*
Dennis Parker, *Assistant Manager*
-- *Multiskilled Maintenance Development*
-- *Tool & Die Development*
-- *Toyota College Partner Program*

Session 2 – The New Career Technical Center in Scott County—Elkhorn Crossing School: An innovative high school facility educating the new technician in a new way

Presenter: **Francis O’Hara**, *Principal, Elkhorn Crossing High School*

Session 3 – KCTCS Online Learn on Demand College Readiness Program

This session focuses on the KCTCS Online Learn on Demand delivery model which is designed to provide the working adult student with flexibility and access to online programs and courses that are developed fully online in a modularized, self-paced, competency-based format. The AMTEC curriculum will be launched through this model in the Kentucky system. The session will highlight the College Readiness program for reading, writing, and math available summer 2011. College readiness courses help students build reading, writing, and math skills for success in college level classes. Enrollment in these courses is based on a student's placement test results so students will only be enrolled in modules that they need.

Presenter: **Sandra L. Cook**, *System Director*
KCTCS Online – Learn on Demand & Learn by Term

Session 4 – The Toyota and BCTC Intern Program

This session is a panel discussion along with Q&A about the Toyota/BCTC Intern Program partnership that began in the Fall of 2010. The first cohort has completed their first year and the panel will talk about the opportunities and challenges as well as how they see the future of the program.

Panelists: **Mark Manuel**, *BCTC VP of Workforce Solutions*
John Ritter, *Maintenance Manager Toyota and AMTEC partner*
Intern Program Students

Track 3: Industry Perspectives on Technician Education

Session 1 – Innovative Strategies: Industry Led Curriculum Development – Best Practices and Lessons Learned

This session is a panel discussion with AMTEC course leaders and module developers relating their experiences in working together to developed the AMTEC hybrid online curriculum.

Panelists: **Miles Jarvis**, *Instructor, Henry Ford Community College*
Phyllis Plumb, *Apprentice Chair, Local Union 5960 – General Motors Orion Assembly*
Pat Riddle, *Program Coordinator and Associate Professor, Pellissippi State Community College*
Anthony Roberts, *Industrial Electrician, UAW Local 602, General Motors/Lansing Delta Assembly*
Mike Short, *Group Leader Toyota North American Maintenance Training*
Randy Wood, *Business Outreach Technical trainer, Alamo Colleges*

Session 2 – The AMTEC Story: Understanding and Reaching Manufacturers in Your Community

This session is a panel made up of the AMTEC Strategy Board members who represent industry. They will discuss what colleges need to know about industry when creating local and national collaborations and partnerships.

Panelists: Keith Davis, Toyota
Willy Kaulfersch, Ford
JoAnne Pritchard, General Motors
Steve Long, UAW

Session 3 – Overall Equipment Effectives: Measuring the Gap

This session will help participants to understand the importance of OEE and total effective equipment performance in measuring the gap between actual and ideal performance and how to improve actual performance.

Panelists: Charlie McCarthy, General Motors
 Keith Davis, Toyota
 TBD, Ford

Session 4 – Up Skilling Employees Using the AMTEC Assessments

This session will feature industries that have used the AMTEC assessments to determine the depth of their employees' knowledge and skills needed to perform their responsibilities. Presenters will relay how they used the results of those assessments to design a training plan to improve their workforce.

Panelists: TBD, Toyota
 Mary Ann Pacelli, MagnetWork
 Mary Maggard, BCTC Assessment Center
 Phyllis Plumb, General Motors