

Proposed Professional Development Day -- July 23, 2015
Trade and Industry Dean's Annual Summer Institute

How can T&I career pathways be better at both filling the skills gap and improving students' math competencies? To address this challenge, teams from four WTCS campuses have been working closely with UW-Madison researchers on strategies like dual credit, contextualized math instruction, scholarship programs, and early alerts. After four years, the NSF-funded METTE project can provide some useful, "locally relevant" lessons for improving student retention, working with math instructors and high schools, and using local and state data systems to improve student success and strengthen instructional practices.

For the professional development day workshop, the METTE grant will support the travel and lodging expenses of a 3-5 member team from each campus. Immediately following the workshop each team member will receive a \$400 participant support stipend. Teams should include 1-2 T&I Deans and 1-3 collaborating colleagues. By including current or future partners from the Institutional Research office, the Math faculty, Student Affairs/Services, and/or local high schools, T&I leaders will leave the workshop with new evidence-based practices and action plans for implementing them in Fall 2015.

The morning sessions will feature hands-on case studies of the METTE innovation projects at FVTC, MATC-Milwaukee, MPTC and WCTC. Each case study will provide teams with the key findings, as well as the tools (surveys, data apps) and curriculum resources developed in each project. The afternoon sessions will allow your team to: (a) consult with each of the METTE project teams, and (b) develop an action or next steps plan for your campus.

To wrap-up the day, a panel of employers and state leaders will comment on the importance of evidence-based practices and tracking student success in Wisconsin's manufacturing and engineering programs.

If you are familiar with T&I teams from other campuses doing similar AQIP projects who might be presenters in this workshop, please contact Jim Mackey.

AGENDA

Location: WITC

Thursday, July 23, 2015

- 9:00 Welcome, Introductions and Overview
- 9:30 Using Data and Evidence to Improve Student Success in Engineering and Manufacturing Pathways
- METTE Core Findings
 - Why This Matters: Performance Funding, Student Recruitment and Retention, Program Improvement, AQIP Accreditation
 - The Data-based Evidence Snapshots from METTE Partners:
 - MATC-Milwaukee
 - FVTC
 - MPTC
 - WCTC
- 10:30 Poster Session: The In-depth Perspectives and Lessons Learned
- FVTC: Developing Dual Credit Partnerships
 - MATC: Contextualizing Math Instruction for Manufacturing
 - MPTC: Assessing and Expanding Employer Engagement Practices
 - WCTC: Improving Orientation and Retention Practices
- 12:00 Working Lunch
- Manufacturing and Engineering Pathways:
 - Data-Based Evidence and Practices from Other States
- 1:15 Team Consultation Dialogues
- The METTE Partner Institution Teams will discuss potential and promising data-based student success improvement strategies with the T&I Deans and their partners.
- Group 1: Improving high school partnerships
 - Group 2: Contextualizing math instruction
 - Group 3: Expanding employer engagement
 - Group 4: Improving orientation and retention
- 2:30 Brief Summary Reports from each group.
- 2:45 Final Summary Comments and Recommendations
- Employer Perspective
 - Student Perspective
- 3:00 Adjourn