

**Project Title:****WTCS Electrical Engineering Technology Transfer Outcomes**

*Completed 2014; Revised 2016*

**Participants:**

Faculty members of the following WTCS colleges representing Electrical Engineering Technology programs (662) at those colleges.

- Fox Valley Technical College (Steve Saindon, Terry Fleischman)
- Gateway Technical College (Pat Hoppe, Jill Eide)
- Madison Area Technical College (Terry O’Laughlin, Ann Thompson, Alberto Rodriquez, Goshwin Saleno)
- Milwaukee Area Technical College (Tom Heraly, David Schmocker)
- Northeast Wisconsin Technical College (Tom Martin, Ron Ropson)
- Waukesha County Technical College (Kurt Eckroth, Tom Trawicki, Robert Steker)
- Western Technical College (Mitch Schultz, Jeff Fancher)

**Contributors:**

Faculty members of MSOE BSEE program.

- Dr. Robert Strangeway
- Dr. Ed Chandler

**General Objective:**

Create a list of minimum outcomes for a WTCS Electrical Engineering Technology Associate of Applied Science Degree (WTCS category 662) where the program intent is to optimize student preparation for articulation to a bachelor’s degree program in Electrical Engineering. At this time, this would be a Bachelor of Science in Electrical Engineering degree at Milwaukee School of Engineering in Milwaukee Wisconsin. No other schools with advanced degree opportunities are included at this point in time. However, this list may provide a starting point for other similar articulation/transfer agreements at individual colleges.

**Intended Benefits:**

- Maintain commonality of minimum program outcomes for 662 programs among WTCS schools having an AASEET to BSEE transfer agreement with MSOE.
- Facilitate annual preparation of articulation/transfer agreements between MSOE and each WTCS College with such an agreement.
- Facilitate evaluation of student transfer credit among WTCS schools with a 662 program.
- Maintain maximum commonality of courses which are required in 662 programs among WTCS colleges.

**What this project is NOT:**

This is not intended to be a “statewide aligned curriculum”, similar to those that exist for nursing and other statewide programs.

This is a collection of the most necessary outcomes of a 662 program, which are grouped according to general topical units. These units are not intended to be courses, however, at some schools some units may logically turn out that way. These units are also not to be

taken as necessarily equivalent to 1, 2, or 3 course credits worth of topical material. Schools may link these outcomes to competencies in program courses.

This is not intended as a detailed checklist for verifying that Technical Skills Attainment criteria are met. That is a separate, more general topic, developed independently.

**How to use this material:**

All these outcomes should be included in a 662 program. These outcomes may be linked to competencies. However, it is up to the course and program planners (faculty) at a particular WTCS College to determine which course includes an individual outcome, or set of outcomes chosen from across the units. And any one outcome may be included in more than one course of a program.

**11/8/2016 Update:**

11/4/16 revisions made based upon 9/23/16 EET System-Called Meeting Decisions;  
Chrystal Seeley-Schreck, *WTCS Education Director for Agriculture, Natural Resources & STEM*

Revisions:

- Outcome 25h revised

Renumbering:

- Outcome 24 renumbered to 21
- Outcome 25 renumbered to 22
- Outcome 27 renumbered to 23
- Outcomes 17-19 renumbered 18-20
- Outcome 20 renumbered to 17

*New Grouping:*

- Outcomes 1-17 labeled “Fundamental” (Includes all outcomes that have been included on WIDS under “external standards”; original 1-16, 20)
- Outcomes 18-23 labeled “Advanced” (Includes all additional outcomes that were finalized, but not included on WIDS under “external standards”; original 17-19, 24,25,27)

Posted:

- WIDS updated; Outcomes 18-23 added to WIDS via pdf only
- Overview and detailed outcomes posted to MyWTCS website