



Wisconsin Technical College System and Project Lead the Way Articulation Statement

INTRODUCTION

The WTCS and its 16 Technical Colleges have a long history of delivering AAS degree and Technical Diploma-level technology programs in a variety of engineering-related fields. Encouraging a new cadre of young people to pursue engineering technology careers is necessary if Wisconsin is to sustain a vital technology/manufacturing-based economy. The PLTW sequence of courses offers high school students an opportunity to be exposed to both pre-engineering and pre-engineering technology, when properly accompanied by appropriate math and science courses. Therefore, the engineering-related programs within the WTCS embrace this effort and will enable both seamless and appropriate articulation of competencies, skills and knowledge, as well as credits, for degree-seeking students.

CAREER PATHS

The WTCS recognizes and supports life-long learning through planned career paths. The PLTW curriculum and instruction provide foundational competencies for students to succeed in a career path from *pre-engineering to engineering technology, engineering* and beyond. While there may be exceptions to the course sequencing, the intent of PLTW is to provide pre-engineering foundational competencies and encourage young people to pursue an engineering-related career path.

PLTW SEQUENCE

It is understood that PLTW offers a pre-engineering series of courses at the high school level. These courses, offered in a four year sequence, when combined with traditional mathematics and science courses in high school, introduce students to the scope, rigor and discipline of engineering technology prior to entering college.

This sequence typically consists of the following:

Foundation Courses: Principles Of Engineering , Introduction to Engineering Design, Digital Electronics

Specialization Courses: Computer Integrated Manufacturing, , Civil Engineering and Architectural,

Under Development: Aerospace Engineering, Biotechnical Engineering

Capstone Course: Engineering Design and Development (EDD)

WTCS ARTICULATION PROCESS

There are a variety of ways by which each WTCS college will recognize & reward high school PLTW course completion. These include:

- *Advanced Standing credit:* (non-transcripted course for course credit given)
- *Partial Course Credit through advanced standing* e.g., 2 CR granted for a 3-CR course, thus reducing the tuition to the student, but not the time.
- *Bridge Courses:* designed specifically to fill any gaps between the PLTW curriculum and a related AAS-level course.
- *Retro-credit model:* i.e., Student successfully completes a higher level course in a sequence; student is granted advanced standing/degree credit for the prerequisite course.
- *Advanced standing credit for electives* in an AAS program.
- *Test-out or challenge exam*

STUDENT ELIGIBILITY

In order to receive WTCS advanced standing credit for a PLTW course or sequence of courses:

- a. High school must be PLTW certified
- b. Students must complete PLTW course(s) with an 85% or better average
- c. Students must complete course portfolio
- d. Students must take the comprehensive PLTW exam with a 70% or better average
- e. Student must matriculate at a WTCS college and enroll in a related program

ADVANCED STANDING CREDIT

PLTW students who matriculate at any WTCS college are eligible for advanced standing credit in any related AAS degree program. Students successfully completing PLTW course requirements can receive *two semester credits* of advanced standing for each PLTW course completed. The process for advanced standing credit will be determined by each college's advanced standing policy (see WTCS Articulation Process).

WTCS RELATED PROGRAMS

The following is an initial list of eligible AAS programs from which PLTW students can receive advanced standing. Other programs may be added later. Contact the technical college of your choice to obtain more information or visit www.witechcolleges.com

Applied Engineering Technology
Architectural Residential Design
Architectural Technology
Architectural Commercial Design
Architectural Drafting/Construction
Technology
Automated Manufacturing Systems
Technology
Automated Systems Technology
Automated Packaging Systems Technology

Civil Engineering Technology
Civil Engineering Technology-Structural
Computer Integrated Manufacturing
Electrical Power Engineering Technology
Electronics
Electronics-Computer
Electronic Engineering Technology
Electromechanical Technology
Instrumentation
Mechanical Design Technology