



## PLTW Programs:

1. Launch - Elementary (New)
2. Gateway - Middle School Engineering
3. Engineering - High School
4. Biomedical Science - High School (New)
5. Computer Science - High School (New)

Milwaukee School of Engineering (MSOE) is Wisconsin's Affiliate University.

## Engineering Courses

### Foundation Courses

- **Introduction to Engineering Design (IED) *\*\*Offered at THS***
- **Principles of Engineering (POE) *\*\*Offered at THS***

### Specialization Courses

- Aerospace Engineering
- Biological Engineering (New 2014-15)
- **Civil Engineering & Architecture *\*\*Offered at THS***
- Computer Integrated Manufacturing
- Computer Science & Software Engineering (New 2014-15)
- Digital Electronics (*THS evaluating for implementation*)
- Engineering Design & Development Capstone (*THS evaluating for implementation*)

**\*\*8th Grade Technology Ed. Course:** Mr. Peissig is currently restructuring the curriculum to resemble a hybrid of Intro. to Engineering & Principles of Engineering. He has received positive feedback.

## School Certification

There are many benefits to being a certified school. The most notable benefit is eligibility to earn college credits for passing the end of course exam and meeting course criteria. Schools are to be PLTW Certified every 5 years. The school certification process done by completing a series of evaluations. A self evaluation is performed by rating the district on core PLTW requirements. Upon completion, MSOE completes an day long site visit. The site visit consists of several interviews, observations and evaluations. Tomahawk earned certification in the first year of implementation (2009-10) and again in October, 2014. Detailed evaluation documents will be sent and shared with the PLTW Advisory Team. Results will be used to create a 3 year PLTW plan.

## Fast Facts

Tomahawk PLTW Enrollment by Year			
School Year	IED	POE	CEA
2009-10	39	Not Implemented	Not Implemented
2010-11	65	36	16
2011-12	66	40	20
2012-13	45	20	12
2013-14	75	15	11
2014-15	43	Insufficient Enrollment	24

⇒ In 2013-14 Tomahawk students scored higher than the national average on PLTW End of Course exams.  
Intro. To Engineering +6% Principles of Engineering +4% Civil Engineering & Architecture +5%

⇒ In 2013-14 Tomahawk High School lead CESA 9 in several PLTW Enrollment Categories.  
Total - 101 (Mosinee 65), Females - 16/16% (Mosinee 4/7%), SPED - 11/11% (Mosinee 8/12%)