

Technology & Engineering

October, 2017

Woods Program

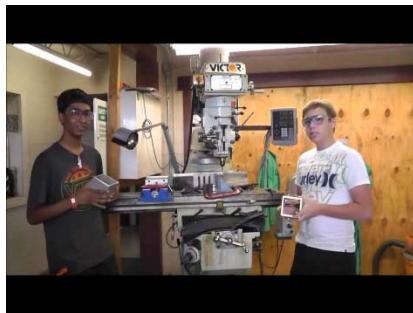


Students in the Woods program are working toward Woodwork Career Alliance certification and 2 credits from Madison College while building cabinetry projects. In Construction, students are pursuing Association of Building Contractors certification and The North Central States Regional Council of Carpenters. They will build various projects including backyard sheds.

Principles of Engineering students are putting their designs to the test by racing their cardboard canoes early November on Paddock Lake. A field trip to Marquette's newly remodeled Engineering building will follow as students discover what engineering is like at the University level. Do you know POE students can earn science credit and also credit from Gateway College?



Metals Manufacturing



The metals manufacturing program students will operate and write basic programs for our recently donated CNC milling center. The learning opportunities include setting up jobs, inspecting parts, calibrating tooling, and using computer aided manufacturing software to create advanced programs. The machine, training, continued service & support, tooling, software, and a variety of material was entirely donated by our great network of industry partners.

Graphics Communications

Students in the Graphic Communications program learn how to use Adobe products: Photoshop, Illustrator, and InDesign for designing and laying out projects. They also learn about different printing and communications activities such as Digital Offset Printing, Screen Printing, Sublimation, UV Printing, 3D Printing, Laser Cutting/Engraving, Photography, and Vinyl Cutting. Students can go through the Adobe Certified Associate training to become certified through Adobe. They can also become NC3 Certified in Dremel 3D printing.



Drafting



Students in the drafting classes are working towards becoming a Certified SolidWorks Associate. SolidWorks is one of the most widely used CAD programs on the planet. It is used to create 2D or 3D solid models. Most engineering colleges and universities use SolidWorks in their design and manufacturing programs. Students who earn their CSWA will have proof of their expertise with cutting edge skills that businesses seek out and reward.

