FAQs

What is the Academy model?

The Career Academy offers a more focused look at a career pathway offering students opportunities to participate and experience their desired field of interest.
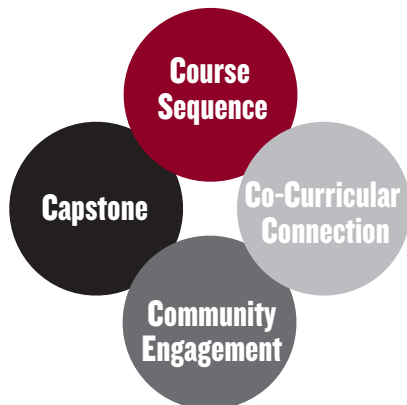
When do I have to apply?

Applications are due in early February. Registration for appropriate courses is completed during the course registration in February.

Can I leave the Academy or change to another academy?

You may leave the academy at any point if you decide that the career area is not of interest. Students may not enter a different academy after leaving another, but have access to the full slate of courses in any another career pathway.

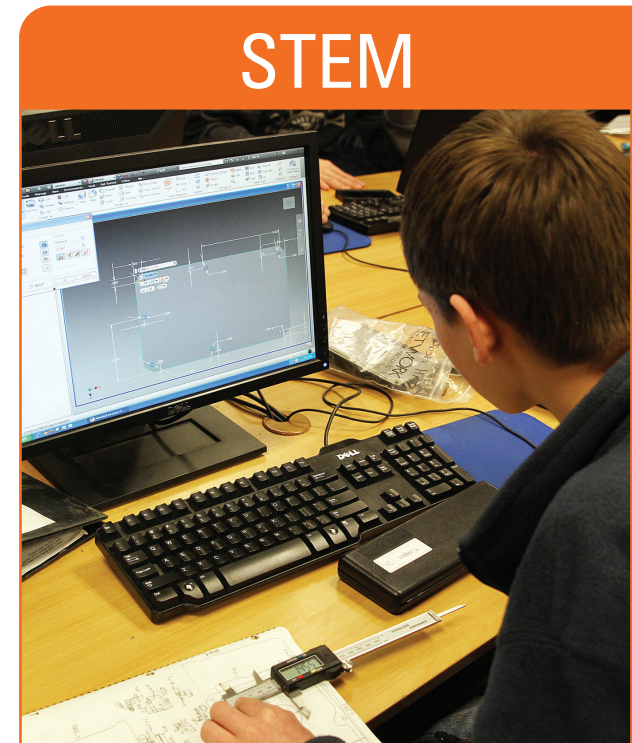## What is the time commitment?

Students complete activities outside of class including co-curricular activities, job shadowing, volunteer and/or work experience in the career field. Time commitment varies, but may average up to 10 hours per week.

Course Sequence

Capstone

Co-Curricular Connection

Community Engagement

MENOMONEE FALLS HIGH SCHOOL

STEM CAREER ACADEMY

Robert Regent Smith
regerob@sdmfschools.org

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1/22

A Career Academy
MENOMONEE FALLS HIGH SCHOOL

STEM

The STEM Career Academy is a four-component learning experience which develops a comprehensive understanding of careers in Science, Technology, Engineering and Mathematics.

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What is the STEM Academy?

The STEM Career Academy provides students the knowledge and skills needed for post-secondary STEM careers (Science, Technology, Engineering and Mathematics).

Why is the Career Academy unique?

- The STEM Academy integrates academic, technical and 21st century skills to provide students a comprehensive understanding of careers in the science, technology, engineering and math fields.

- Students gain additional knowledge and skills needed for higher level schooling in STEM areas.

- Students will learn using non-traditional methods including performance based assessments, group projects, reflections, field trips, case studies, community based service projects as well as building a cumulative portfolio.

- Students will gain an understanding of employment opportunities in the fields of science, technology, engineering and math.

- Students learn the importance of project, service, and work-based learning experiences.

- Students are offered rich opportunities to learn skills necessary for a career path in the STEM areas.

How does it benefit me?

Students earn a Career Academy Endorsement on their High School diplomas for completion of the requirements of the academy.

Students will be able to reference the STEM Career Academy endorsement on a résumé, during interviews and on college applications.

• SEQUENCE OF COURSES FOR THE STEM ACADEMY

	Applied Technology	Computer Science	Engineering
9TH GRADE	• Intro to Manufacturing: Metal • Intro to Manufacturing: Wood	• Computer Science 1 (Sem 1) • Computer Science 2 (Sem 2)	• Introduction to Engineering & Design
10TH GRADE	• Construction & Building Technology • Advanced Manufacturing & Metals	• Computer Science 1 (Sem 1) • Computer Science 2 (Sem 2) • AP Computer Science– Principles	• Principles of Engineering
11TH GRADE	• Manufacturing Youth Apprenticeship • WCTC Dual Enrollment	• AP Computer Science–Java • Advanced Programming • Cybersecurity • Falls Tech Force Course	• Civil Engineering • Digital Electronics • Environmental Sustainability
12TH GRADE	STEM Academy Capstone Students must also take further elective courses which align with their career pathway. Additional Math & Science courses should be taken Junior & Senior year.		

• CO-CURRICULAR CONNECTION

STEM Academy students can be active in Robotics Club, Falls Tech Force, Math Club, Coding Club, Gaming Club and Summer Enrichment. Work experience such as Youth Apprenticeship and SOE contribute to real world application.

• COMMUNITY ENGAGEMENT

At least 8 hours of job shadowing in a related STEM field is required.

At least 20 hours of volunteer or work experience in a relates STEM field is required. Participation in groups/clubs related to STEM contribute to this total.

• CAPSTONE COURSE

The STEM Academy Capstone course will reflect core content knowledge as well as leadership, writing skills, project management and organization. Students will share final projects with the community in a STEM showcase event