

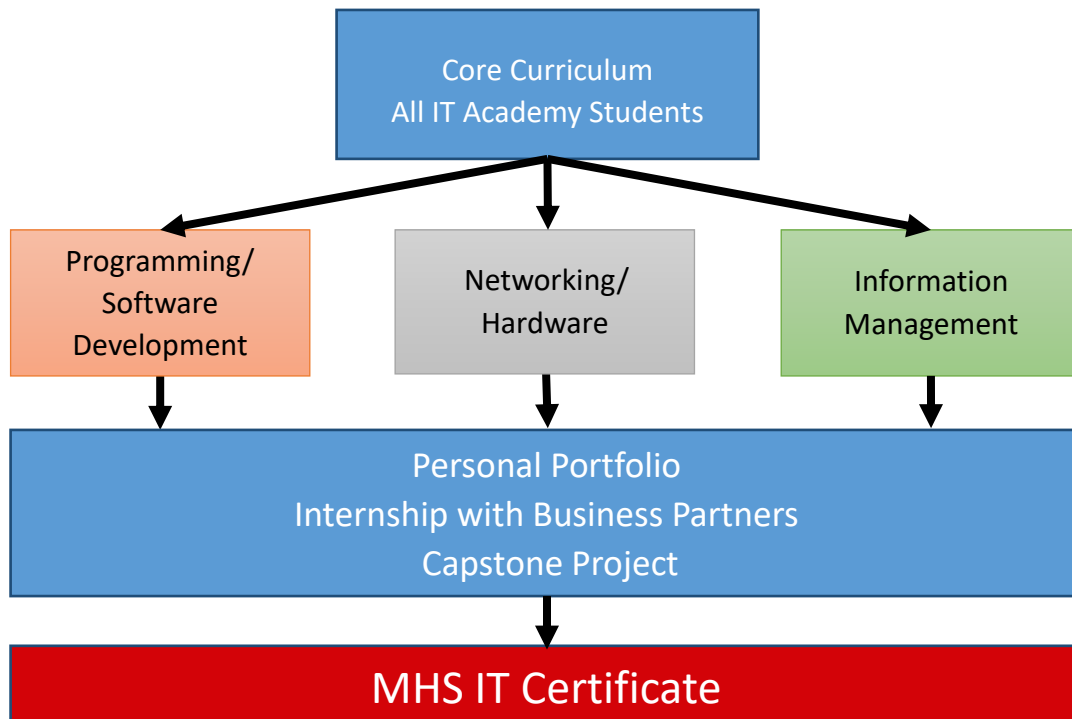
Information Technology Academy Mukwonago High School



Mission Statement:

The MHS IT Academy's mission is to **inspire** students to pursue careers in Computer Science and Information Technology through **rigorous** and **relevant** course work, and to **provide** and **support** opportunities for in-depth, practical experiences to increase **employability** and **marketability** in these fields.

Academy Structure:



IT Academy Program Overview

Students in the IT Academy will be engaged in experiences that increase both their learning opportunities and practical experiences. In addition to core curriculum required by all academy students, students will be able to choose a course of study focusing on areas that best fit their interests and skills. Each student, during their senior year, will complete a required Capstone Course. The Capstone Course involves both independent study and real-world workplace experience; students will be placed in an area business as an intern or special project participant.

IT Academy Requirements: 4.5 Credits minimum

For students entering the IT Academy as **Sophomores**:

Programming and Software Development Strand:

Course Requirements:

- 2.0 credits of CS (including 1 credit **AP Computer Science Principles** and 1 credit **AP Computer Science A**)
- 0.5 credits from any other course associated with the IT Academy or the Computer Science Department
- 0.5 credits **Technology and Society** (Social Studies credit - online course)
- 0.5 credits **Technical Communication** (English credit – semester course)
- 0.5 credits **Project Management** (Business elective credit – semester course)
- 0.5 credits **IT Academy Capstone** (elective credit - second semester of Senior year)

Networking and Hardware Strand:

Course Requirements:

- 1.0 credits **Digital Electronics** (Technology and Engineering Education – year course)
- 0.5 credits **Operating Systems and Servers** (Computer Science – semester course)
- 0.5 credits **Networking and Security** (Computer Science – semester course)
- 0.5 credits from any other course associated with the IT Academy
- 0.5 credits **Technology and Society** (Social Studies credit - online course)
- 0.5 credits **Technical Communication** (English credit – semester course)
- 0.5 credits **Project Management** (Business elective credit – semester course)
- 0.5 credits **IT Academy Capstone** (elective credit - second semester of Senior year)

Information Management Strand:

Course Requirements:

- 1.0 credits of Business Education (**Web Design, Office Applications for Business**)
- 0.5 credits **HTML Programming and JavaScript** (Computer Science – semester course)
- 0.5 credits **Database Management** (Business Education – semester course)
- 0.5 credits from any other course associated with the IT Academy
- 0.5 credits **Technology and Society** (Social Studies credit - online course)
- 0.5 credits **Technical Communication** (English credit – semester course)
- 0.5 credits **Project Management** (Business elective credit – semester course)
- 0.5 credits **IT Academy Capstone** (elective credit - second semester of Senior year) OR 3.0 credits Business Co-op / Internship (elective credit - full Senior year)

For students entering the IT Academy as **Juniors or Seniors**:

- You will need to follow the above guidelines for courses.
See an IT Academy Teacher for details.



IT Academy Expectations:

Admission:

All students entering the IT Academy will be selected through an application process. Applications will be due February 9, 2018.

Apply online at: <http://www.masd.k12.wi.us/mhs/academics> or <http://masditacademy.wordpress.com>

Student Expectations:

- Successfully complete required IT Academy core courses
- Successfully complete required courses within your selected IT Academy focus area
- Collect artifacts for IT Academy Portfolio to be presented upon graduation
- Work-based experience (internship, etc.) with community partner
- Exhibit employable skills: responsibility, integrity, ethics, communication
- Adhere to the Mukwonago Way (*Be Respectful, Be Responsible, Be Safe, Be On Time*)
- Maintain a 2.5 GPA minimum in all Mukwonago High School courses
- Maintain a 3.0 GPA minimum in all IT Academy specific courses
- Meet all Mukwonago High School Graduation Requirements
- Attend **with a parent** one of two IT Academy Information Nights (Spring)

MHS IT Academy Certificate

In addition to the standard requirements for graduation, IT Academy students will meet a set of requirements including participation in a capstone project and an internship /work-place experience with local partners.

Upon graduation, IT Academy students receive their Mukwonago High School diploma and a certificate of completion acknowledging that the expectations set forth by the IT Academy have been met.

IT Academy Leadership Team:

For more information about the IT Academy, contact:

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