



# CTE Plan of Study



## Business Department Offerings

Classes in each program are sequential and should be taken in order  
To obtain maximum funding level 1 & 2 in each program must be completed

### Business Admin Management and Operations (BAMO)

BAMO is a business course that provides the framework for pursuing additional business courses and entrepreneurship.

Business Functions and Operations 9-10

Small Business and Entrepreneurship (ESB) 11-12

Virtual Enterprise (PR)

### Finance

This course is recommended for students with an interest in business/finance, being a business major in college, or planning to own their own business.

Accounting 1~ 10-12

Accounting 2 ~ (PR) 10-12

Account 3 (PR) 10-12

Account 4 (PR) 10-12

Virtual Enterprise (PR)

### Computer Science

Prog 1 and 2 are an introduction to programming course where students will learn to write and read code in Visual BASIC and Python. Moving on to Java and C+.

Programming 1 9-12

Programming 2 (PR) 9-12

AP Computer Science A 9-12

AP Computer Science Principles 9-12

### Credentials offered

(ESB) Entrepreneurship and Small Business (CSB) Communication Skills for Business MS Office Adobe Photoshop

### Digital Multimedia

This course is intended for any student desiring exposure to business applications using Microsoft Office Suite and Adobe

Computer Operations in Business (MS Office) 9-12

Web Design and Social Media \* (Adobe) 9-12

Virtual Enterprise (PR)

### Marketing

Marketing and Advertising educates students on the important role that Marketing plays in our economic system, using simulations and hands on, real world projects incorporating the latest technology and practices

Marketing and Advertising 1 \* (CSB) 10-12

Advanced Marketing and Advertising 2 \*(PR) 10-12

Merchandising Lab (School Store) (PR)

Virtual Enterprise (PR)

### Work Based Learning

Capstone is an opportunity for business students who have taken a number of business classes to use their skills and knowledge in a paid on-the-job training site.

Business Capstone (CO-OP)- 1 hr or 2 hr Block- Both Semesters (Paid) 11-12 ^

Practicum- 2 hour block- 1 semester (Unpaid) 12 only

### Key

- Complete program- level 1 and 2
- Upperclassmen only- unless specified
- ~ Math Credit
- \* Applied Art Credit
- PR Pre-requisite to take class
- ^ Must take a current CTE class



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## Design & Technology Offerings

Classes in each program are sequential and should be taken in order  
To obtain maximum funding level 1 & 2 in each program must be completed

### Engineering Technology

Program for students going into STEM careers. Students will create computer drawings, solve problems and build prototypes while applying what was learned in math and science classes.

Engineering Design 1 9-12

Engineering Design 2 9-12

Engineering Design 3 10-12

Engineering Design 4 10-12

### Drafting and Design Technology

Program for students interested in buildings and architecture. Students create floor plans, and other associated drawings, students will solve problems & build models

Architecture 1 9-12

Architecture 2 9-12

Architecture 3 10-12

Architecture 4 10-12

### Mechatronics

Program for students interested in STEM careers. This is a hands on class learning concepts through the use of robots; including problem solving, collaboration and communication

Robotics 1 9-12

Robotics 2 9-12

### Mechanical Drafting

This class should be taken after taking Engineering 1-4. Students will design & execute projects using classroom tools & equipment

Mechanical Drafting / Design 1 10-12

Mechanical Drafting / Design 10-12

Animation: Class exposes students to a variety of animation types and styles. This class can be taken independently.

Computer Modeling & Animation 9-12

### Woodworking RHS ONLY

This is a hands on STEM shop class students will learn about materials, use hand and power tools, and design & build projects.

Woodworking 1 9-12

Woodworking 2 9-12

Woodworking 3 10-12

Woodworking 4 10-12

#### Key

- Complete program- level 1 and 2
- Upperclassmen only- unless specified



# CTE Plan of Study



## Ed Careers Offerings

Educational Careers is a one-year course designed for students interested in pursuing a career in an educational field and/or getting an inside glimpse at the world of teaching. Course runs 6th hour only.

EdCare S1 11-12

EdCare S2 11-12



## Health Sciences Offerings

Medical Careers is a one-year course designed for students interested in pursuing a career in the health science field. The prerequisite for this course is Anatomy and Physiology.

Medical Careers (PR) +

### Credentials offered:

EMT (partnership with Rochester Hills Fire Department)  
Clinical Medical Assistant

### Key

■ Upperclassmen only- unless specified

+ Science Credit

PR Pre-requisite to take class