



## Vex Robotics

The VEX Robotic team provides students 3rd grade through college, in three different age groups, the opportunity to learn about competitive robotics as part of a community team. Students can participate year round with new contests and projects being implemented annually. Students will gain an introduction to mechanical, electrical, programming and CAD design while keeping track of individual progress through an engineering notebook. Students also develop additional skills, including multimedia marketing, team building, time management and public speaking. The VEX program operates on the MCCC campus for six competitive seasons and is designed to be a year-round, continuous student development program. Interested students should visit a class session to learn more and meet the other team members and mentors. **Contact [mmohn@monroecc.edu](mailto:mmohn@monroecc.edu) or [jeffdemaray@yahoo.com](mailto:jeffdemaray@yahoo.com) for further information.**

## Real Estate Fundamentals

Prepare for the Michigan Real Estate Exam, administered by AMP (Applied Management Professionals). The course also serves as an excellent survey of the laws affecting real estate transactions for investors and those desiring a more thorough knowledge of the subject. Topics include real estate laws, rules and regulations, contracts, financing, ownership, brokerage, valuation and fair housing. This course is state-licensed for 40 hours of instruction and is open to the general public. Note: You must complete the 40 hours of instruction and pass the final exam in order to receive a passing grade for the class. Cost includes text and materials. CEUs: 4.0

**RELST 701-81** ❄️

**\$279 (Senior Fee \$244.50)**

**Tues/Thurs Mar. 22 – Apr. 21**  
**6 – 10 p.m. H 165 Bowman**

**COVID-19 NOTICE: Before attending class, please go to [www.monroecc.edu/coronavirus](http://www.monroecc.edu/coronavirus) for the most up-to-date information on COVID-19 requirements at MCCC, including policies on masking. As of the publication of this schedule, facemasks are required in all campus facilities regardless of vaccination status.**

## Boiler and Power Plant Fundamentals



Designed as a fundamentals course in boiler operations and power plant basics, students who successfully complete this course will be qualified to seek employment in facilities using boilers in any energy conversion process. Topics covered include:

- Power plant theory, equipment and procedures
- Basic understanding of the ASME code
- Instruction on various theories and systems relevant to the industry

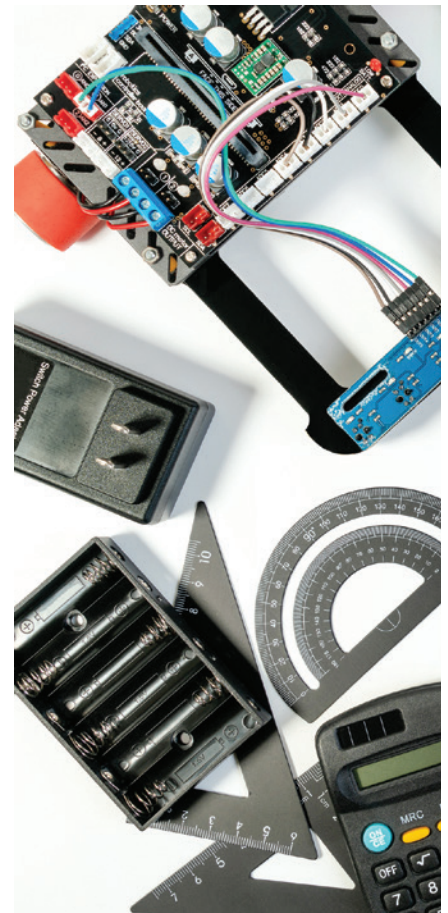
**Please note: In order to enroll in this course, you must complete the Accuplacer placement test and obtain a minimum score of 250 in English, 238 in Reading and 262 in Elementary Algebra.**

Text is included in the cost. Online registration is not available for this class as your test scores must be verified prior to enrolling. CEUs: 8.8

**MECH 727-81** ❄️

**\$759 (Senior Fee \$429.50)**

**Tues/Thurs Mar. 8 – May 19**  
**5 – 9 p.m. Z 271 Kiselewski**





## Home Inspection Certificate Course (Online)



Do you want a career that doesn't have you chained to a desk all day? Are you looking for something that you can do part-time or to supplement your income? If you are a good communicator, enjoy working with people, and have good mechanical and technical aptitude, a career as a home inspector may be right for you. This course is endorsed by the American Society of Home Inspectors.

This 10-course program provides you with the technical skills and expertise required to conduct visual examinations and deliver written reports on the physical and operational condition of homes or housing units. Each of the 10 courses will require a minimum of 42 contact hours of study. Exercises and practical quizzes allow you to check your progress.

Each module will have instructor support and can be taken in any order you choose.

### Roofing (Online)

This course covers both sloped and flat roof coverings. Detailed descriptions and illustrations help to explain problems, causes and implications for common roofing materials. It also goes into detail on how to inspect roofs and what to watch for.

**HOMNT 729A-41**  
\$395 (Senior \$332.50)

### Structure (Online)

In the Structure course, all of the structural elements of a building from the footings and foundations to the floor, wall and roof assemblies are addressed in detail. Elements of good construction are illustrated, along with common failure modes and how to identify them.

**HOMNT 729B-41**  
\$395 (Senior \$332.50)

### Electrical (Online)

The course moves on to address getting electricity into the house and distributing it safely to its end-use points including switches, lights and receptacles. The course is designed to provide people who do not have an electrical background with the skills necessary to perform the electrical part of a professional home inspection.

**HOMNT 729C-41**  
\$395 (Senior \$332.50)



### Heating I (Online)

This course introduces residential heating systems, starting with a description of various fuels. The course then focuses on the different types of furnaces and boilers.

**HOMNT 729D-41**  
\$395 (Senior \$332.50)

### Heating II (Online)

The Heating course continues with a focus on chimneys, wood heating, fireplaces, steam heating, electric heating systems and space heaters. Each topic starts with a description of how the system works.

**HOMNT 729E-41**  
\$395 (Senior \$332.50)

### Air Conditioning & Heat Pumps (Online)

In our Air Conditioning & Heat Pumps course, complex mechanical systems are broken down into simple components. Starting with basic principles of operation and building on an understanding, considerable detail is provided on how these systems fail. Upon completion, students can inspect air conditioning and heat pump systems as a professional home inspector.

**HOMNT 729F-41**  
\$395 (Senior \$332.50)



### Plumbing (Online)

This course is broken into four parts: supply piping, water heaters, waste piping and plumbing fixtures. The physics of water is covered at the beginning in a simple, common-sense way.

**HOMNT 729G-41**  
\$395 (Senior \$332.50)

### Exterior (Online)

The Exterior course covers retaining walls, grounds, window wells, lot grading, driveways, patios, walkways, decks, balconies, stoops and steps, porches, railings, wall cladding, flashing trim, eaves, soffits, fascia, as well as exterior doors and windows. You will learn to describe the exterior wall covering and inspect all aspects of the exterior named above.

**HOMNT 729H-41**  
\$395 (Senior \$332.50)

### Insulation and Interiors (Online)

Learn to inspect thermal insulation, vapor barrier and ventilation systems. You will also learn how to inspect interior elements of homes such as walls, ceilings, floors, basements, doors, windows, interior stairs/railings, countertops and cabinets, and garage doors/door operators.

**HOMNT 729I-41**  
\$395 (Senior \$332.50)

### Communication and Professional Practice (Online)

Home inspectors are required, both verbally and in writing, to describe the inspection process and communicate inspection findings to the client. It is important that home inspectors communicate clearly and effectively to ensure that clients understand the inspection results and the report. Learn the reporting requirements and proper conduct for a professional home inspector.

**HOMNT 729J-41**  
\$395 (Senior \$332.50)