



Course Name: ENR-120 Technical Computer Programming

Date Updated: 4/2022

Credit Hours/week: 2 hrs./wk. – 2 cr.

BEGINNING: SPRING 2022

Catalog Description: This course is an introduction to computer programming with application to engineering technology. Microcomputers are used to develop application programs in a programming language.

Prerequisite: MAT 007 or equivalent

Text: Programming in Python 3?

Supplementary Material: Students must create an account at learn.zybooks.com Enter zyBook code CCMENR120Fall2019

Syllabus:

Period	Text Sections	Topics
		None Listed

Students are expected to adhere to the policies of the County College of Morris. These can be accessed at: (insert link here)

Statement of Expected Course LEARNING OUTCOMES

- Describe basic programming language components such as translation, development system and syntax
- Describe event driven programming and object properties
- Design programs using techniques typically encountered in project development
- Translate program requirements and specifications into program code
- Understand various data types (variables, constants, operators) used to create programs.
- Understand program execution, debugging and testing program code
- Develop programs using sub procedures, functions, arguments and event procedures
- Understand the development of codes to execute programs involving decision logic and repetition
- Develop algorithms for a variety of applications