



PLUMBING

Email: STANLEY_J_HOLCOMB@MCPSMD.ORG



Course Description: The Plumbing Program provides the opportunity to learn about the industry as it relates to residential and commercial instruction. Participants master a variety of plumbing skills as well as those common to the professional workplace. The course of study descriptions correspond to the modules of the NCCER national standards and provides articulation with the Construction Management curriculum at Montgomery College.

Instructional Philosophy: Students will be given challenging real world projects and assignments typical of the plumbing industry.

- Classroom and lab activities will include a variety of hands-on laboratory experiences, class discussion, open-ended problem solving, work-based learning, and project-based learning.
- Students will often work in teams but will be expected to complete individual assignments in relationship to the team's work.
- Major projects will be presented to the class and in some situations to the plumbing professionals.

Certifications & Articulations

- Maryland State Apprentice Plumbing/Gasfitter license (Optional- \$10)
- Trac pipe gasfitting
- OSHA 10
- NCCER Plumbing 1
- NCCER Plumbing 2

Class / Student Expectations

- Student behavior in class will reflect all rules as outlined in the *Student Handbook*
- Students will be expected to maintain an exemplary level of attendance
- NOTE: Cell phones, IPOD's and other personal electronic devices are not to be used during class, at any time, without permission from instructor. If a student must be contacted in an emergency, please contact the main office.

Grading scale and components of the grade:

- A = 90 to 100 points
- B = 80 to 89 points
- C = 70 to 79 points
- D = 60 to 69 points
- E = 59 and below points

1. Unit tests. End of chapter (NCCER) module exams. Unit tests count as **25%** of your total grade.

2. Quizzes. Class work (cognitive). Written exercises, worksheets, warm-ups, plumbing code quizzes are examples of class work. Quizzes count as **25%** of your total grade.

3. Demonstrations. Practical, hands-on assignments/projects, work at the student built home. Demonstrations count as **50%** of your total grade. ***Please note:*** If a student has an unexcused absence on days work is being done the student-built house, the grade for that day is zero (0).