

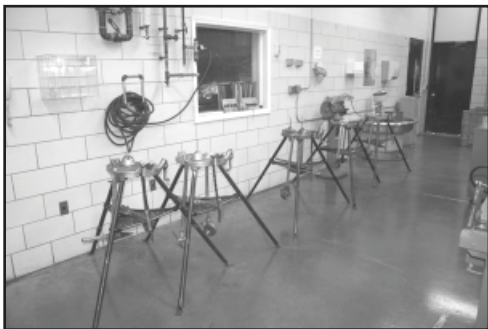
# MECHANICAL CONSTRUCTION/PLUMBING

This program prepares students to install and maintain water supply systems, waste removal systems, and various fixtures and gas appliances that provide for personal comfort in the home or commercial business setting.



## Program Skills & Certifications:

- Provides as close to an on-the-job situation as possible
- Residential plumbing
- Successful completion leads to entry-level employment opportunities, official completion of the first-year plumbing apprenticeship with the Associated Builders and Contractors Incorporated (ABC), and preparation for future educational endeavors including colleges and universities
- Make various pipe joints
- Install drainage waste and vent systems
- Fixture installation and repair
- Learn to use power tools
- Learn to use hand tools
- Read blueprints
- Commercial plumbing
- Apply math skills



## Articulation with CCBC:

Students who complete the Mechanical Construction program and the Associated Builders and Contractors Plumbing Apprenticeship program will be eligible for **six** articulated credits at CCBC.

## Information about the Program:

Upon successful completion of the Mechanical Construction program, students will receive credit for one year of the four-year Associated Builders and Contractors Plumbing Apprenticeship Program.

# MECHANICAL CONSTRUCTION/PLUMBING

Content Area	9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
English	English 9	English 10	English 11	English 12
Math	Algebra I	Algebra II	Geometry	College Readiness Math or Trig with Algebra
	Honors Algebra II	Honors Geometry	Pre Calculus or Trig/Analyt	AP Calculus I/II or College Algebra
	Honors Algebra II and Honors Geometry or G & T Geometry	Precalculus or Trig/Analyt	AP Calculus I/II or College Algebra	AP Calculus II or AP Statistics
Science	Biology	Chemistry	Physics or Earth Science	Science Elective
Social Studies	American Government	World History	US History	EPI (.5 cr)
Graduation Requirements	Introduction to Engineering & Technology Concepts (IETC) (1 cr)	Fine Arts	Health (.5 cr)	Capstone Work Experience  Plumbing CWE (3 cr)
Completer Classes	Introduction to Plumbing Careers (1 cr)	Plumbing 1 (1 cr)  Plumbing 2 (1 cr)	Plumbing 3 (1 cr)  Plumbing 4 (1 cr)	
Requirements/ Electives	Physical Education	Foreign Lang. or Elective	Foreign Lang. or Elective	

See page 38 for admission criteria!