

# Heating, Ventilation and Air Conditioning (HVAC)

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<b>HVAC</b>	Fabrication Technology I			D214 Youth Apprenticeship: Heating, Ventilation and Air Conditioning
	Fabrication Technology II	PLTW - Introduction to Engineering Design	PLTW - Digital Electronics (DC)	College Heating Principles
	Auto Systems			College Introductory Electronics
<b>High School District 214 Graduation Requirements</b>				
<b>English</b>	English   English   English   English			4.0 credit units
<b>Mathematics</b>	Mathematics   Mathematics   Mathematics   Mathematics (Recommended)			3.0 credit units
<b>Social Science</b>	Social Science   Social Science   Social Science (Recommended)			2.0 credit units
<b>Science</b>	Science   Science   Science (Recommended)			2.0 credit units
<b>Career &amp; Technical Education</b>	Career and Technical Education			1.0 credit unit
<b>Fine Arts</b>	Fine Arts			0.5 credit unit
<b>Consumer Education</b>	Consumer Education			0.25 credit unit
<b>Physical Education</b>	Physical Education   Health   Physical Education   Physical Education			★

## Post Secondary

- Career Related Electives**
  - College Heating and Cooling Controls
  - College Refrigeration Fundamentals
  - College Refrigeration Systems
  - PLTW - Introduction to Engineering Design
  - PLTW - Civil Engineering and Architecture
  - College Introductory Electronics (Harper College)
  - College Industrial Control Systems (Harper College)
  - College Practical Architecture Construction

### Career Related Activities for the HVAC pathway

- Athletics
- District Career Days
- District Career Nights
- District Career Treks
- High Mileage Vehicle Club
- Robotics Club
- Skills USA

### Four-Year University Admission Requirements

- English (4 years)
  - Mathematics (4 years)
  - Social Science (3-4 years)
  - Science (2-3 years)
  - World Language (2-3 years)
  - Fine Arts (1-2 years)
- See your counselor regarding admission requirements for highly selective institutions.



### Apprenticeship

With its Youth Apprenticeship program, District 214 is one of the first high school districts in the country to set up its own apprenticeships for students with local employers rather than bringing in external organizations to manage the program, according to Jobs for the Future, a leading workforce research organization.

Apprentices are selected for the program in their junior year of high school. They get 20 to 30 hours a month of paid job training during the school year in addition to college coursework and mentoring. During the summer, they work up to 28 hours a week to expand their skills. At the end of the program, students receive either a federally registered apprenticeship certification or a youth apprenticeship certification in addition to up to a year of college credits.

During the program's pilot year, the District opted to use its own facilities for job placements in cybersecurity, HVAC (heating, ventilation, air conditioning) and automotive services to streamline the process but has since increased the program by placing apprentices with local employers.

Honors, Advance Placement and Dual Credit courses are offered throughout the curriculum. Please consult with your high school counselor for the latest information regarding course offerings, scheduling and registration for all career pathways and courses.

\*This represents the number of units of credit required at full implementation for the graduating class of 2012 and beyond (12 units, assuming a unit is equivalent to a year-long course). Additionally, physical education, while not a state graduation requirement is a required course for all students a minimum of 3-5 days a week in each of four years of high school (See ILCS 110,5/27-6 and 23 Ill. Adm. Code Section 1.425).