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Building Trades

Fabrication Technology 1 / 2

PLTW Intro to Engineering Design

Geometry In Construction

College Practical Architectural Construction-PAC Year 1 (DC) (application required)

D214 Youth Apprenticeship: Construction

College Practical Architectural Construction-Pac Year 2

High School District 214 Graduation Requirements

English

English | English | English | English
Course Descriptions Section - [Page 223](#)

4.0 credit units

Mathematics

Mathematics | Mathematics | Mathematics | Mathematics (Recommended)
Including one unit of Algebra I and one unit of Geometry.
Course Descriptions Section - [Page 251](#)

3.0 credit units

Social Science

Social Science | Social Science | Social Science (Recommended)
Must include one year of U.S. History or combination of U.S. History and American Government and one semester civics.
Course Descriptions Section - [Page 269](#)

2.0 credit units

Science

Science | Science | Science (Recommended)
Course Descriptions Section - [Page 261](#)

2.0 credit units

Career & Technical Education

Career and Technical Education
Course Descriptions Section - [Page 275](#)

1.0 credit unit

Fine Arts

Fine Arts
Course Descriptions Section - [Page 239](#)

0.5 credit unit

Consumer Education

Consumer Education
Students meet the consumer education graduation requirement by passing one of the following courses or combination of courses: Personal Finance (06210) - [Page 288](#), Economics (07830) - [Page 273](#), Consumer Education (59940) - [Page 274](#).

0.25 credit unit

Physical Education

Physical Education | Health | Physical Education | Physical Education
A minimum of 3-5 days of daily physical education is a required course for all students in each of four years of high school. The State also requires that students during high school take a minimum of 18 weeks (one semester) of health education.*
Course Descriptions Section - [Page 309](#)
Refer to [page 327](#) in Academic Policies and Procedures section regarding substitutions for physical education.



Post Secondary

Career Related Electives

- College Entrepreneurship (DC)
- Introduction to Business
- Small Business Management

Career Related Activities for the Building Trades pathway

- Athletics
- Architectural Showcase
- District Career Days
- District Career Nights
- District Career Treks
- Robot Rumble
- Skills USA
- Wildstang FIRST Robotics

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.

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).*



PAC program



Practical Architectural Construction (PAC) launched in 1985 as a home construction program that gives students the opportunity to work together to build one single-family home every two years.

The program, a dual credit program with Triton College, offers hands-on experience in all areas of construction, from laying foundations to finishing structures. Under the supervision of program instructors, students get experience in such areas as demolition, flooring, cabinets, tile work, plumbing and electric. The program uses local subcontractors to handle concrete, heating and other more advanced areas.

When the home is finished, it is sold and the proceeds go toward the purchase of a new house for the next project. Single family houses built through this unique program are located in Arlington Heights, Buffalo Grove, Mount Prospect, Prospect Heights, Rolling Meadows and Wheeling.

Students enrolled in PAC can also participate in SkillsUSA, a statewide competition for students involved in the trades.