Alexandria Technical and Community College

IDES 1615: Building Systems & Codes

A. COURSE DESCRIPTION

Credits: 4
Lecture Hours/Week: 4
Lab Hours/Week: *.*
OJT Hours/Week: *.*
Prerequisites: None
Corequisites: None
MnTC Goals: None

Students will be able to identify housing components and historic housing styles. Students learn the language of building from site plan through the final stages of home construction. Systems are studied as an integral part of construction. Applications of ADA requirements are included.

B. COURSE EFFECTIVE DATES: 08/25/2014 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Architectural components of a building.
2. Historical building styles.
3. Construction process from the foundation to the roof.
4. Systems found in a building including mechanical, electrical and plumbing.
5. Finish materials both inside and outside a building.
7. Americans with Disabilities Act (ADA) compliance.

D. LEARNING OUTCOMES (General)

1. The learner will demonstrate the application of appropriate codes and restrictions for residential buildings as it pertains to accessibility.
2. The learner will develop an understanding of the site and all systems of construction from the footing and foundation to roof systems plus the mechanical systems.
3. The learner will develop and apply the vocabulary of building materials and identify historic housing styles.
4. The learner will identify end user needs as it applies to accessibility.

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted