

**J. Sargeant Reynolds Community College
Course Content Summary**

Course Prefix and Number: BLD 103

Credits: 3

Course Title: Principles of Residential Building Construction Inspection

Course Description: Introduces general principles of residential building inspection, including materials, foundations, framing, finishing, and building codes. Use local pre/co-requisites. Lecture 3 hours per week.

General Course Purpose: Course provides a foundation in the essential requirements for building construction as mandated by the current version of the Virginia Building Code, as well as those guidelines specified by the American Disabilities Act for handicap-accessible construction. Course is a requirement of the Building Construction Management Specialization in the Architectural and Engineering Technology AAS degree.

Course Prerequisites and Co-requisites:

None

Student Learning Outcomes:

Upon completing the course, the student will be able to

- a. Learn the use of Virginia Uniform Statewide Building Code;
- b. Learn the use of International Building Code;
- c. Recognize the requirements of building codes, including those set forth by the ADA; and
- d. Determine appropriate code section that applies to various design conditions for residential construction.

Major Topics to Be Included:

- a. Virginia Uniform Statewide Building Code
- b. Construction techniques and material selections that effect the buildings structural integrity. (Fire resistance rating, etc.)
- c. Practical application of code requirements
- d. ADA regulations for handicap access

Date Created/Updated (Month, Day, and Year): January 21, 2019