

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

**Course Prefix and Number:** ARC 122

**Credits:** 3

**Course Title:** Architectural Drafting II

**Course Description:** Introduces techniques of architectural drafting, including lettering, dimensioning, and symbols. Requires production of plans, sections, and elevations of a simple building. Studies use of common reference material and the organization of architectural working drawings. Requires development of a limited set of working drawings, including a site plan, related details and pictorial drawings. Prerequisite: ARC121 and DRF 231 or instructor's approval. Lecture 2 hours. Laboratory 3 hours. Total 5 hours per week.

**General Course Purpose:** Research and design a residential structure via computer-assisted-design means. Said design should be compliant with the various Code requirements that govern residential construction in Virginia and also exhibit a fundamental understanding of construction principles and practices associated with typical residential construction.

**Course Prerequisites and Co-requisites:**

Prerequisite: ARC121 and DRF 231 or instructor's approval

**Course Objectives:**

Upon completing the course, the student will be able to

- a. Develop a design for a residential detached dwelling;
- b. Generate a complete set of working drawings that would support construction of the design; and
- c. Conduct a code analysis of the hypothetical project and insure all legal aspects of the projects have been addressed and satisfied.

**Major Topics to Be Included:**

- a. Concept/research
- b. Floor plan
- c. Foundation/basement plan
- d. Elevations
- e. Sections
- f. Site plan
- g. Details/specifications

**Effective Date of Course Content Summary:** August, 2008