



The Concept: Skills and content for selected introductory course(s), required at St. Cloud Technical & Community College, are taught in participating schools using the assessments agreed upon by secondary and post secondary staff. This agreement is developed to promote a more seamless transition from secondary to post-secondary education, and lessen content duplication. High School and college credits are earned if the student meets the college achievement standards and later enrolls in a college major that requires the course or courses. In some cases, credit toward electives is also an option.

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This course, CARP 1514 – Blueprint Reading and Estimating, is a requirement for the Carpentry program at St. Cloud Technical & Community College (SCTCC). It prepares the student to enter SCTCC with 2 credits toward the course. Based on 2012-2013 tuition fees, this is a cost saving of \$159.00 per credit. This credit does not allow a by-pass of the course, but does offer excellent preparation for the course and the major. Upon successful completion of this course the high school teacher will award Articulated College Credit. Students will receive a college credit list that they need to present when they register at St. Cloud Technical & Community College. Students will need to register with the Dean's Assistant for CARP 1513. The combination of CARP 1513 in high school and CARP 1513 at college will equal CARP 1514. After the student enrolls and completes the course, the credit will appear on their college transcript as transfer credit. If the student chooses to attend another technical college, they will need to bring the college credit list and supporting materials for their consideration.

### **Course Description:**

This course will enable students to develop skills in reading International Residential Codes (IRC) for residential construction and apply them to blueprints. The course concentrates on the lines, symbols and abbreviations to read and understand the pages of residential blueprints. Material and estimating will be part of the student's studies.

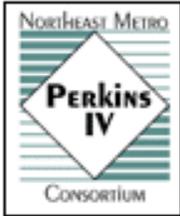
### **Course Outcomes:**

1. Sketch and draw symbols and lines
2. Understand the different lines, symbols and abbreviations
3. Draw and sketch plans, sections, elevations, schedules and details
4. Understand how to read blueprints
5. Explain specifications
6. Find code requirements from the IRC Building Codes book and handouts
7. Explain and estimate different materials

### **Assessment:**

A written exam, developed by St. Cloud Technical & Community College instructors, will be given to evaluate the student's knowledge and understanding of architectural drawings. The exam is available on the [www.ctecreditmn.com](http://www.ctecreditmn.com) website. Students achieving 85-100% on the print reading exam will earn 2 credits.

**NOTE:** Students may re-take the Blueprint Reading exam one time at the discretion of the high school instructor



**Text Used at St. Cloud Technical & Community College:**

*Building Trades Printreading, Part I*, Thomas Proctor

*Building Trades Printreading Part I Plans*, Thomas Proctor

*IRC Code Book* ; ISBN: 1100910797

*IRC Code Book* can be accessed from:

International Conference of Building Officials (ICBO)

1704 East 123 Terrace, Olathe, KS 66061 **and/or**

1560 Workman Mill Road, Whittier, CA 90601; 1-800-423-6587

**Life** of this certificate is **five years**.