



## MASTER COURSE OUTLINE

A. CARP 1125 Wall and Floor Framing/Sheeting and Building Layout

B. COURSE DESCRIPTION:

This course introduces basic principles of residential framing. The student studies types of residential framing: floor and walls. This course is part of the Carpentry program which is accredited by the Home Builders Institute (HBI) and the National Association of Home Builders (NAHB). Prerequisites: CARP 1110.  
**(4 Cr – 1 lect, 3 lab)**

C. \*Core Theme: Critical Thinking

D. RIVERLAND INSTITUTIONAL LEARNING OUTCOMES:

This course addresses the following Riverland Institutional Learning Outcome(s):

- ILO 1: critical thinking (*Core Theme Goal 2*)
- ILO 2: awareness of the larger global community (*Core Theme Goal 7 or 8*)
- ILO 3: ethical, engaged citizenship (*Core Theme Goal 9 or Goal 10*)
- ILO 4: communication and collaboration (*Discipline Goal 1 and by any learning outcome(s) involving communication or collaboration*)

E. MAJOR CONTENT AREAS:

- Basic building layout of and proper work site procedures for residential construction
- Residential wood floor and wall framing methods, tools, and materials
- Safety methods used in framing

F. GOAL TYPE, OBJECTIVES, AND OUTCOMES:

<u>GOAL TYPE</u>	<u>OBJECTIVES</u>	<u>OUTCOMES</u>
<u>*Critical Thinking</u>	Students will be able to gather factual information and apply it to a given problem in a manner that is relevant, clear, comprehensive, and conscious of possible bias in the information selected.	The student will successfully <ol style="list-style-type: none"> <li>1. explain the proper work site procedures of residential construction.</li> <li>2. research types and methods of installing sub flooring in residential construction.</li> </ol>
<u>CS</u>	create safe work area.	The student will successfully <ol style="list-style-type: none"> <li>1. perform job site clean-up.</li> <li>2. use proper safety equipment and procedures.</li> <li>3. identify tools and equipment that need repair or removal from service.</li> </ol>

<u>CS</u>	cut and assemble floor and walls to specifications.	<ol style="list-style-type: none"> <li>1. identify floor and wall framing components.</li> <li>2. layout floor and wall framing within specifications.</li> <li>3. cut and assemble wall components to drawing specifications.</li> <li>4. create a 90-degree corner using 6-8-10 method.</li> <li>5. plumb and square walls.</li> <li>6. check for squareness using the diagonal method.</li> <li>7. identify defects in dimensional lumber used in framing.</li> </ol>
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G. SPECIAL INFORMATION:

This course may require use of the Internet, the submission of electronically prepared documents and the use of a course management software program. Students who have a disability and need accommodations should contact Accessibility Services at the beginning of the semester. This information will be made available in alternative format, such as Braille, large print, or current media, upon request.

H. COURSE CODING INFORMATION:

Course Code S/Class Maximum 28; Letter Grade

Revision date: 04/01/14; 04/03/18; 04/02/24

AASC Approval date: 04/17/18; 04/16/24

\*These five MnTC Goals have been identified as Riverland Community College Core Themes. Every course in the Riverland Community College curriculum shall meet outcomes from one of these themes.

\*\*These five MnTC Goals have been identified as Riverland Community College Disciplines. Riverland’s MnTC courses also shall meet outcomes from a Discipline Area.

NOTE: The Minnesota Transfer Curriculum “10 Goal Areas of Emphasis” are reflected in the five required discipline areas and five core themes noted in the Riverland Community College program of study guide and/or college catalog.

<b>*Riverland Community College Core Themes</b>	<b>MnTC Goal Number</b>
Critical Thinking (CT)	<b>2</b>
Human Diversity (HD)	<b>7</b>
Global Perspective (GP)	<b>8</b>
Ethical and Civic Responsibility (EC)	<b>9</b>
People and the Environment (PE)	<b>10</b>

<b>**Riverland Community College Discipline Areas</b>	<b>MnTC Goal Number</b>
Communication (CM)	<b>1</b>
Natural Sciences (NS)	<b>3</b>
Mathematics/Logical Reasoning (MA)	<b>4</b>
History and the Social & Behavioral Sciences (SS)	<b>5</b>
Humanities and Fine Arts (HU)	<b>6</b>

Riverland