

# MFG MANUFACTURING

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Hr/Wk	Hr/Wk	Sem
Lect/	Clin	Cr
Disc	Lab	Hr

## Courses

<b><i>MFG.100 Introduction to Welding</i></b>	2.5	1	3
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This class provides an introduction to welding technology with an emphasis on basic welding laboratory principles and operating procedures. Topics include: safety and health practices, hand tool and power machine use, measurement, laboratory operating procedures, welding power sources, weld simulator practice, investigate welding career potentials, and introduction to welding codes and standards.

Offered: Fall or Spring

Prerequisites: Appropriate placement exam scores.

Applicable toward graduation at Sandburg where program structure permits:

Degree or Certificate: AAS, AGS and Certificates where applicable (1.2).

General Education -- Not Applicable

<b><i>MFG.125 Industrial Blueprints</i></b>	2	2	3
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The student will learn how to read and interpret the different types of standard symbols and abbreviations found on industrial drawings.

Students will be provided with instruction that enables them to understand the various types of blueprints, shop prints, and schematics used in an industrial environment. Students will interpret the different types of standard symbols and abbreviations found on electrical construction drawings, schematics and wiring diagrams. This course will benefit students entering any industrial trade.

Offered: Fall or Spring

Applicable toward graduation at Sandburg where program structure permits:

Degree or Certificate: AAS, AGS and Certificate where applicable (1.2).

General Education -- Not Applicable

<b><i>MFG.130 Industrial Safety</i></b>	1.5	.5	2
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This course provides the student with specific instruction to facilitate safe work practices in industrial environments. Students will be introduced to different safety philosophies and terminology. Students will also become acquainted with OSHA policy and with the Right-to-Know laws. Also covered are units specific to fire safety, pressurized gases and welding, electrical hazards, and safe machine usage. Students will have the opportunity to earn the OSHA ten-hour safety certification.

Offered: Fall or Spring or Summer

Applicable toward graduation at Sandburg where program structure permits:

Degree or Certificate: AAS, AGS and Certificates where applicable (1.2).

General Education -- Not Applicable