

# SMTL - SHEET METAL

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## **SMTL 101 - Sheet Metal 1st Year Apprenticeship** **Units: 6**

This is a first-year course for individuals in the sheet metal apprenticeship program. This course is taken twice in the first year. The total embedded content is covered when this course is taken twice. This course satisfies 45 hours of instruction toward specified programs and certificates for AAS Human Relations General Education requirements. This course satisfies 50 hours of instruction toward specified programs and certificates for AAS Math/Quantitative Reasoning General Education requirements.

## **SMTL 151 - Sheet Metal 2nd Year Apprenticeship** **Units: 6**

This is a second-year course for individuals in the sheet metal apprenticeship program. This course covers trade mathematics; blueprint reading, sketching and elementary sheet metal layout and pattern development; local building codes and ordinances; industrial safety. This course is taken twice in the second year. The total embedded content is covered when this course is taken twice. This course satisfies 20 hours of instruction toward specified programs and certificates for AAS Math/Quantitative Reasoning General Education requirements. This course satisfies 45 hours of instruction toward specified programs and certificates for AAS Science/Quantitative Reasoning General Education requirements.

*Enrollment Requirements: Prerequisite: SMTL 101*

## **SMTL 201 - Sheet Metal 3rd Year Apprenticeship** **Units: 6**

This is a third-year course for individuals in the sheet metal apprenticeship program. This course is taken twice in the third year.

*Transferability: May not transfer towards an NSHE bachelor's degree*

*Enrollment Requirements: Prerequisite: SMTL 151*

## **SMTL 251 - Sheet Metal 4th Year Apprenticeship** **Units: 6**

This is a fourth-year course for individuals in the sheet metal apprenticeship program. This course is taken twice in the fourth year. Course covers, welding -- arc, oxy-acetylene, shielded arc and cutting processes; non-ferrous metals -- properties, characteristics, use and processes; blueprint reading; sheet metal layout and pattern development; codes; estimating, cost analysis and bidding; safety. A review of SMTL 101 through SMTL 201.

*Transferability: May not transfer towards an NSHE bachelor's degree*

*Enrollment Requirements: Prerequisite: SMTL 201*