

Skilled Trades - Tool & Die Maker-Designer Certificate 26-27 catalog

Full-time

Description: This program trains students in basic industrial machining. Coursework focuses on electronics, CNC, and tool & die design.

Completion Time: 2 Years

This is suggested course sequencing. Please see a counselor or advisor for individual adjustments.

Year 1

Fall Semester

☐ Success Skills for the 21st Century	GNST 100	3 Cr.
☐ Industrial Applied Algebra	INDS 122	2 Cr.
☐ Industrial Communications	TDSN 103	2 Cr.
☐ Industrial Documentation & Measurement	TDSN 107	4 Cr.
☐ Introduction to CAD	TDSN 115	4 Cr.

Spring Semester

☐ Industrial Applied Geometry	INDS 124	2 Cr.
☐ Geometric Dimensioning & Tolerancing	TDSN 125	2 Cr.
☐ Tool & Die Design Production	TDSN 135	2 Cr.

Year 2

Fall Semester

☐ Introduction to Windows	CMIS 102	1 Cr.
☐ Basic Machine Operations	INDS 129	4 Cr.
☐ Tool & Die Design Forming	TDSN 136	2 Cr.
☐ Fundamentals of Welding	WELD 101	3 Cr.
☐ Choose 1		
MIG Welding	WELD 105	3 Cr.
TIG Welding	WELD 106	3 Cr.

Spring Semester

☐ Industrial Applied Right Angle and Oblique Trigonometry	INDS 127	2 Cr.
☐ Basic CNC Machining	INDS 131	3 Cr.
☐ Industrial First Aid	INDS 156	0.5 Cr.
☐ Industrial Safety	INDS 157	1 Cr.

Total Minimum Credits: 40.5

Academic Advising: You should meet with an academic counselor prior to registering for classes.

Note: Prerequisite courses may apply to this program. A minimum of 60 unduplicated credits (100 level or higher) are required for all associate degree programs.

Skilled Trades - Tool & Die Maker-Designer Certificate 26-27 catalog

Part-time

Description: This program trains students in basic industrial machining. Coursework focuses on electronics, CNC, and tool & die design.

Completion Time: 3 Years

This is suggested course sequencing. Please see a counselor or advisor for individual adjustments.

Year 1

Fall Semester

☐ Success Skills for the 21st Century	GNST 100	3 Cr.
☐ Industrial Communications	TDSN 103	2 Cr.
☐ Industrial Documentation & Measurement	TDSN 107	4 Cr.

Spring Semester

☐ Fundamentals of Welding	WELD 101	3 Cr.
☐ Choose 1		
MIG Welding	WELD 105	3 Cr.
TIG Welding	WELD 106	3 Cr.

Year 2

Fall Semester

☐ Industrial Applied Algebra	INDS 122	2 Cr.
☐ Introduction to CAD	TDSN 115	4 Cr.

Spring Semester

☐ Industrial Applied Geometry	INDS 124	2 Cr.
☐ Geometric Dimensioning & Tolerancing	TDSN 125	2 Cr.
☐ Tool & Die Design Production	TDSN 135	2 Cr.

Year 3

Fall Semester

☐ Introduction to Windows	CMIS 102	1 Cr.
☐ Basic Machine Operations	INDS 129	4 Cr.
☐ Tool & Die Design Forming	TDSN 136	2 Cr.

Spring Semester

☐ Industrial Applied Right Angle and Oblique Trigonometry	INDS 127	2 Cr.
☐ Basic CNC Machining	INDS 131	3 Cr.
☐ Industrial First Aid	INDS 156	0.5 Cr.
☐ Industrial Safety	INDS 157	1 Cr.

Total Minimum Credits: 40.5

Academic Advising: You should meet with an academic counselor prior to registering for classes.

Note: Prerequisite courses may apply to this program. A minimum of 60 unduplicated credits (100 level or higher) are required for all associate degree programs.