Skilled Trades-Tool & Die Maker/Designer, Certificate 24-25 catalog

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

Completion Time: 2 Years

Part-time course schedule (You do not have to follow this exact schedule. It is meant to show the courses needed.)

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 & Management	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 Operation	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.*
❑ Industrial First Aid	INDS 156	*0.5 Cr.*
❑ Industrial Safety	INDS 157	*1 Cr.*
❑ Basic CNC Machining	INDS 131	*3 Cr.*

Total 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 30 unduplicated credits (100 level or higher) are required for all certificate programs.

Skilled Trades-Tool & Die Maker/Designer, Certificate 24-25 catalog

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Completion Time: 2.5 Years

Part-time spring start course schedule (You do not have to follow this exact schedule. It is meant to show the courses needed.)

Year 1

Spring Semester

❑ Success Skills for the 21st Century	GNST 100	*3 Cr.*
❑ Industrial Documentation & Management	TDSN 107	*4 Cr.*

Fall Semester

❑ Industrial Applied Algebra	INDS 122	*2 Cr.*
❑ Industrial Communications	TDSN 103	*2 Cr.*
❑ Introduction to CAD	TDSN 115	*4 Cr.*

Year 2

Spring Semester

❑ Industrial Applied Geometry	INDS 124	*2 Cr.*
❑ Geometric Dimensioning & Tolerancing	TDSN 125	*2 Cr.*
❑ Tool & Die Design Production	TDSN 135	*2 Cr.*
❑ Fundamentals of Welding	WELD 101	*3 Cr.*

Fall Semester

❑ Introduction to Windows	CMIS 102	*1 Cr.*
❑ Basic Machine Operation	INDS 129	*4 Cr.*
❑ Tool & Die Design Forming	TDSN 136	*2 Cr.*
❑ Choose 1		
MIG Welding	WELD 105	*3 Cr.*
TIG Welding	WELD 106	*3 Cr.*

Year 3

Spring Semester

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

Total Credits: 40.5

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