



31-442-1 WELDING
2022-23 PROGRAM CURRICULUM CHECKLIST
NORTHWOOD TECHNICAL COLLEGE
ASHLAND, NEW RICHMOND, RICE LAKE, SUPERIOR



Name/ID _____

Date _____

CATALOG NUMBER	COURSE TITLE	HOURS PER WEEK	CREDITS	SHIELDED METAL ARC WELDING (SMAW) (30-442-4)	GAS METAL ARC WELDING (GMAW) (30-442-5)	FLUX CORED ARC WELDING (FCAW) (30-442-6)	GAS TUNGSTEN ARC WELDING (GTAW) (30-442-7)	WELDING/ MAINTENANCE AND FABRICATION (30-442-2)	WELDING TECHNICAL DIPLOMA (Financial Aid Eligible)
FIRST TERM (Fall 2022)									
31442321	Print Reading - Welding Trades	4 hours per week	2 credits	SMAW	GMAW	FCAW	GTAW	Welding / Maintenance and Fabrication	Welding
31442370	Gas Metal Arc Welding 1	6 hours per week	3 credits		GMAW			Welding / Maintenance and Fabrication	Welding
31442373	Shielded Metal Arc Welding 1	6 hours per week	3 credits	SMAW				Welding / Maintenance and Fabrication	Welding
31442374	Shielded Metal Arc Welding 2 Coreq: 31442373 Shielded Metal Arc Welding 1	4 hours per week	2 credits					Welding / Maintenance and Fabrication	Welding
31442376	Oxyfuel and Arc Cutting Processes	4 hours per week	2 credits					Welding / Maintenance and Fabrication	Welding
31442379	Gas Tungsten Arc Welding 1	4 hours per week	2 credits				GTAW		Welding
32804303	Applied Math	4 hours per week	2 credits	SMAW	GMAW	FCAW	GTAW	Welding / Maintenance and Fabrication	Welding
32801361	Applied Communications	4 hours per week	2 credits						Welding
	FIRST TERM TOTAL	36 hours per week		7 Credits SMAW	7 Credits GMAW	4 Credits FCAW	6 Credits GTAW	14 Credits Welding / Maintenance and Fabrication	18 Credits Welding

All prerequisite/corequisite courses must be completed with a grade point of 2.0 or better. Revised 10/13/2021



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	SECOND TERM (Spring 2023)								
31442325	Welding Fabrication/Production (WBL) Prerequisite: 31442321 Print Reading - Welding Trades, 31442370 Gas Metal Arc Welding 1, 31442373 Shielded Metal Arc Welding 1, 31442374 Shielded Metal Arc Welding 2, 31442376 Oxyfuel and Arc Cutting Processes and Corequisite: 31442375 Shielded Metal Arc Welding 3	6 hours per week	3 credits						Welding
31442371	Gas Metal Arc Welding 2 Corequisite: 31442370 Gas Metal Arc Welding 1	4 hours per week	2 credits						Welding
31442372	Gas Metal Arc Welding 3 Corequisite: 31442371 Gas Metal Arc Welding 2	2 hours per week	1 credit						Welding
31442375	Shielded Metal Arc Welding 3 Corequisite: 31442374 Shielded Metal Arc Welding 2	4 hours per week	2 credits						Welding
31442377	Flux Cored Arc Welding 1	4 hours per week	2 credits			FCAW			Welding
31442378	Flux Cored Arc Welding 2 Corequisite: 31442377 Flux Cored Arc Welding 1	4 hours per week	2 credits						Welding
31442380	Gas Tungsten Arc Welding 2 Corequisite: 31442379 Gas Tungsten Arc Welding 1	4 hours per week	2 credits						Welding
	SECOND TERM TOTAL	28 hours per week				2 Credits FCAW			14 Credits Welding
	PROGRAM REQUIREMENTS			7 Credits SMAW	7 Credits GMAW	6 Credits FCAW	6 Credits GTAW	14 Credits Welding / Maintenance and Fabrication	32 Credits Welding

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Please be advised that low enrollment class sections may be cancelled. You will be contacted by Student Services with information on other class sections available in alternate formats.

GRADUATION REQUIREMENTS: Although your academic advisor can provide guidance, you are ultimately responsible for selecting courses that meet a program's graduation requirements. If you do not take courses in the recommended sequence above, it may delay your completion of graduation requirements. A program plan GPA of 2.0 in a 4.0 grade system is required to graduate.

EARN CREDIT FOR WHAT YOU ALREADY KNOW: Visit <https://www.northwoodtech.edu/admissions/preparing-for-college/credit-for-prior-learning> for more information

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