

Fall 2023 Schedule (2023-2024 Curriculum)

CBE On Campus: Flexible lab/class instruction where you complete assessments at a personalized pace.

Lab availability: Monday through Wednesday 8 am - 8 pm, Thursday 8 am - Noon

Room N109

● **614201 Introduction to Precision Machining**

●□ **314201 Precision Machining Technology**

324441 CNC Automation Technology (all courses)

Course Title	Credit Value	Catalog Number	w05y	w06y	w07y	w08y
			8/14 - 12/14	9/11 - 12/14	10/9 - 12/14	11/13 - 12/14
Term 1						
● Shop Tools and Fasteners	1	31420310	61773	61775	61776	61777
● Precision Measuring	1	31420330	61785	61787	61788	61789
● Orthographic Projection Print	1	31420385	61987	62000	62001	62002
● Machining Math Basic	1	31420325	61774	61778	61779	61780
● Drills and Saws	1	31420338	61795	61797	61798	61799
● Manual Lathe Operation	1	31420340	61796	61801	61802	61803
● Manual Mill Operation	1	31420350	61808	61810	61811	61812
● GD&T Intro	1	31420386	62009	62010	62011	62012
□ Machining Geometry and Basic Trigonometry	1	31420326	61786	61790	61791	61792
□ Mill-G&M Code	1	31444301	62013	62040	62041	62042
□ CNC Machining Operation	1	31444303	62014	62043	62044	62045
□ CNC Turning Operation	1	31444309	62015	62046	62047	62048
□ Safe Heat Treating Operations	1	31420359	61988	61997	61998	61999
Total	13					
Term 2						
□ Interpersonal Skills	1	31801361				
□ Workplace Fundamentals	1	31801360				
□ Turning-G&M Code	1	31444305	62016	62057	61762	61763
□ Mill-2D Using CAM	1	31444307	62017	62049	61764	61765
□ ProtoTrak Mill-Squaring Programming	1	31420353	61989	62004	61766	61767
□ ProtoTrak Mill-Slot and Hole Programming	1	31420354	61990	62003	61768	61769
□ Surface Grinder Operations	1	31420356	61991	61770	61771	61772
□ CNC Turning-Turning and Cut Off Setup	1	31444311	62018	62060	62066	61782
□ CNC Turning-Hole Producing Setup/Threading	1	31444313	62019	62052	62067	61783
□ CNC Machining-Facing and End Milling Setup	1	31444315	62020	62061	61784	61794
□ CNC Machining-Hole/Slot/Engraving Setup	1	31444317	62021	62062	61804	61805
□ CNC Turning-Toolpaths Using CAM	1	31444321	62022	62051	61807	61813
□ Complex Print Drawings	1	31420361	61992	62005	62008	61814
□ Advanced Precision Measuring	1	31420362	61993	61816	61817	61818
□ GD&T-Inspection	1	31420363	61994	61819	61820	61821
Total	15					
Term 3						
CNC Milling-Advanced G&M Code Programming	1	31444319	62023	61822	61823	61824
CNC Machining-Probing/Editing/G&M Code	1	31444323	62024	62058	61825	61826
CNC Machining-Work Holding	1	31444325	62025	62827	61828	61829
CNC Turning-Program Editing	1	31444327	62026	62059	61830	61831
CNC Turning-G&M Code Programming	1	31444329	62027	61832	61833	61834
CNC Machining-G&M Code Programming	1	31444331	62028	61835	61836	61837
CNC Machining-Setup/Operation with G&M Code	1	31444333	62029	61838	61839	61840
CNC Turning-Advanced G&M Code Programming	1	31444335	62030	61841	61842	61843
CNC Turning-Setup and Operation	1	31444357	62031	62065	61844	61845
ProtoTrak-Adv Conversational Programming	1	31420364	61995	62006	61846	61847
ProtoTrak-Adv Programming with A.G.E./DXF	1	31420365	61996	61848	61849	61850
HSM for SolidWorks	1	31444347	62032	61851	61852	61853
Total	12					
Term 4						
CNC Skills Portfolio	1	32444306	62070	61854	61855	61856
CNC Technician Internship	2	32444343	62077	61857	61858	61859
CNC Machining-G&M Programming Using CAM	1	31444339	62033	61860	61861	61862
CNC Machining-Setup/Operation Using CAM	1	31444341	62034	61863	61864	61865
CNC Turning-G&M Programming Using CAM	1	31444343	62035	61866	61867	61868
CNC Turning-Setup and Operation Using CAM	1	31444345	62036	61869	61870	61871
CNC Turning with Live Tooling-Operation	1	31444349	62037	61872	61873	61874
CNC Turning with Live Tooling-Programming	1	31444351	62038	61875	61876	61877
CNC Turning w/Live Tooling-G&M Programming	1	31444353	62039	61878	61879	61880
Wire EDM Operation	1	31444359	63044	63045	63046	63047
Wire EDM Program/Operate	1	31444371	63048	63049	63050	63051
Robotics-Teach Pendant/Controls	1	10620167	61881	61882	61883	61884
Robotics-Editing Programs	1	10620179	61885	61886	61887	61888

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