



WISCONSIN
INDIANHEAD
TECHNICAL
COLLEGE

Mechanical Design Technology

Curriculum Map

Program offered at Rice Lake

Check out this program at <http://www.witc.edu/programs/progcerts.htm>



School Year 2006-2007

Mechanical Design Technology

(Two-Year)
Associate Degree (10-606-1)



Job Titles

Mechanical Design Technician
Engineering Technician
CAD/CAM Technician
Draftsperson, Mechanical
Tool Programmer
Numerical Control Programmer
Engineering Assistant
Mechanical Equipment Designer
Die Designer
Tool Designer
3D Solid Modeler

Northwestern High School

First Semester		Second Semester	
10606102	Engineering Procedures and Specifications	10606120	Manufacturing Processes
10606140	Mechanical CAD	10606141	Advanced Mechanical CAD
10804165	Technical Math 165	10606194	Introduction to Pro/ENGINEER
10806151	Technical Science 1	10804146	Trigonometry
		10806153	Technical Science 2
		10801195	Written Communication
Third Semester		Fourth Semester	
10606111	Mechanisms	10606130	Hydraulics/Pneumatics/Fluidics
10606143	Engineering/Computer Drafting	10606155	Design/Machine Elements
10606151	Strength of Materials	10606159	Machine Design Problems (WBL)
10801196	Oral/Interpersonal Communication	10809144	Principles of Macroeconomics
or	or	or	or
10801198	Speech	10809196	Introduction to Sociology
10809172	Race, Ethnic, and Diversity Studies	10809198	Introduction to Psychology
		or	or
		10809199	Psychology of Human Relations
Helpful High School Courses		Electives	
	Geometry	10420148	Machine Shop Applications
	Algebra	10606185	Introduction to AutoCAD
	Physics	10606192	Applied AutoCAD
	Machine Shop	10606195	Intermediate Pro/ENGINEER
	Print Reading	10606196	Intro to Inventor
	Chemistry		
	Mechanical Drawing		
	English/Communications		
	Keyboarding		
	Computer classes		

Courses reflected in **red** are approved for advanced standing with WITC.

Note: Course sequence may vary by campus.