



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

Washburn 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.