WOOD MANUFACTURING TECHNOLOGY (WMT)

WMT 110 (2 credit hours)
Technical Drawing and Blueprint Reading
Fundamentals of multiview and pictorial drafting techniques; and reading and interpreting architectural, furniture and cabinet drawings are the focus of this course. Students will apply blueprint reading skills by preparing materials and cutting lists for actual jobs. Lecture: 2 credits (60 contact hours).
Attributes: Technical
Components: LEC: Lecture

WMT 120 (4 credit hours)
Wood Product Manufacturing
Fundamentals of wood processing and an overview of the secondary wood processing industry are covered in this course. The nature of wood, material selection, terminology, safe set-up, and operation of common woodworking equipment will be discussed. Each student will fabricate a wood product while being introduced to custom woodworking techniques, as well as mass production concepts related to product engineering.
Attributes: Technical
Components: LEC: Lecture

WMT 198 (2-4 credit hours)
Practicum
The practicum provides supervised work experience related to the student's educational objective. Students participating in the practicum do not receive compensation. The course may be taken for 2 - 4 credits.
Pre-requisite: Permission of the Instructor
Attributes: Due to Inacitvity, Technical
Components: PCM: Practicum

WMT 199 (2 credit hours)
Cooperative Education
Co-op provides supervised work experience related to the student's educational objectives. Students participating in the cooperative education program receive compensation for their work.
Pre-requisite: Permission of the Instructor, Co-Op: 2 credits (150 contact hours).
Components: COP: Co-op

WMT 240 (4 credit hours)
Cabinet Making Technology
This course is an overview of the cabinet and store fixtures industries. Emphasis will be placed on the design and construction of face frame as well as frameless (32mm) systems. Each student will plan and build a vanity, kitchen cabinet or store fixture which utilizes contemporary casework techniques. Lecture: 4 credits (120 contact hours).
Pre-requisite: WMT 110 and WMT 120.
Components: LEC: Lecture

WMT 250 (4 credit hours)
Furniture Technology
Furniture design principles, structural considerations, joinery, fasteners, veneering, and use of specialized machines for complex operations are the focus of this course. Each student will plan and build a piece of furniture which includes at least one drawer, a door and some veneering. Lecture: 4 credits (120 contact hours).
Pre-requisite: WMT 110 and WMT 120.
Components: LEC: Lecture

WMT 280 (2 credit hours)
Estimating
This course is an introduction to estimating costs and materials for wood products. Special emphasis will be placed on projecting material and labor costs for custom wood products as well as mass produced items. Lecture: 2 credits (60 contact hours).
Pre-requisite: Permission of the Instructor.
Components: LEC: Lecture

WMT 290 (4 credit hours)
Advanced Wood Processing
This course is a capstone experience for advanced wood processing technicians involving the integration of computer aided design and world-class manufacturing of wood products. Lecture: 4 credits (120 contact hours).
Pre-requisite: Permission of the Instructor.
Components: LEC: Lecture