Why Choose Manufacturing Tooling Technology?
Since its origination in 1956, the Manufacturing Tooling Technology program has developed a reputation as a national leader in the precision machining and tooling industries. In this program, students develop a solid technical foundation through the application of precision machining and tooling processes.

Students learn to apply relevant mathematical calculations, interpret engineering drawings and CAD data, utilize precision metrology equipment, plan machining processes, specify tooling and equipment requirements, utilize machining equipment (including manual and CNC equipment) and apply metallurgical processes. Two CNC courses take students through 2-D manual G-code programming, 2-D and 3-D conversational programming and complex 3-D CAD/CAM programming.

All Manufacturing Tooling Technology courses feature hands-on learning in well-equipped facilities. Lab time alone accumulates to nearly 1,000 hours of applied experience. Course projects focus on processing and problem solving and take students through the costing, designing, building, setup, tryout, and troubleshooting of jigs and fixtures, metal stamping dies and plastic molds.

Prepare for a Great Career
Because nearly every manufacturing industry requires skilled professionals with a solid foundation in machining and tooling, graduates of the Manufacturing Tooling Technology program are in high demand and have an array of options upon graduation.

Some of the occupations that provide an excellent match for program graduates immediately upon graduation include machinist, tool maker, die maker, mold maker, machine builder, CNC programmer, tooling technician, manufacturing technician, and technical/sales representative. With additional experience and/or education, graduates often move into positions such as tooling engineer, manufacturing engineer, or technical instructor, as well as all levels of management. Graduates who decide to continue their education can stay at Ferris and, within two additional years, earn a bachelor's degree in one of many related programs.

Admission Requirements
Admission to the College of Technology is open to high school graduates who demonstrate academic preparedness, maturity and seriousness of purpose with backgrounds appropriate to their chosen program of study. Among first-time students in our technical programs, the average high school GPA is 2.8, and the average ACT composite score is 20.

Students entering the Manufacturing Tooling Technology program must be high school graduates with a minimum 2.0 GPA. Admission to the technology sequence requires a minimum ACT math subscore of 15 (19 recommended).

Students may qualify for college credit while still in high school. Contact your counselor or the Manufacturing Tooling program coordinator (231-591-2511) for details, or visit our homepage at www.ferris.edu/mfgt.

Graduation Requirements
The Manufacturing Tooling Technology program at Ferris leads to an associate in applied science degree. Graduation requires a minimum 2.0 GPA in the major and overall. Students must complete all general education requirements as outlined on the General Education website.