

2+2 Technical Management

General Technology

Industrial Technology

The General Technology option, within the Industrial Technology B.S. degree, is designed for transfer students who have earned an Associate of Applied Science degree, an Associate of Science degree, or a technical diploma from an accredited institution in a field of study related to Industrial Technology. Students transferring into the General Technology option complete the Industrial Technology Core Curriculum, MSU's Liberal Studies requirements and the 43-semester credit hour upper-division course requirement in completing the General Technology IT option.

Liberal Studies Requirements **

(Minimum of 45 credits)

A. English (Minimum of 6 Cr.)

Cr Gr

English 101 or equivalent	___	___
English 102 or equivalent	___	___

B. Natural Sciences & Their Processes (6 Cr.)

(Minimum of 6 semester credits in Chemistry ___ ___
 and/or Physics with one lab science course) ___ ___

_____ ___ ___

C. Behavioral & Social Sciences (6 Cr.)

Economics ___ ___

D. Western Tradition: Humanities & Fine Arts (6 Cr.)

DI- _____ ___ ___

_____ ___ ___

E. Communicative & Symbolic Processes (6 Cr.)

Probability & Statistics ___ ___

College Algebra ___ ___

Technical Report Writing ___ ___

F. Multicultural & Global Studies (5Cr.)

FI- _____ ___ ___

_____ ___ ___

General Technology Curriculum

(60 credits)

Industrial Technology Core Curriculum (27 credits)

Cr Gr

Tech 380 Methods Improvement	3	___
Tech 383 Cost Analysis	3	___
Tech 385 Process Leadership	3	___
Tech 394 Computer Appl. for Engr. & Tech.	3	___
Tech 428 Project Management	3	___
Tech 482 Quality Planning/Implementation	3	___
Tech 493 Industrial Safety/Health	3	___
Acct 230 Principles of Accounting I	3	___
Mgmt 360 Principles of Management	3	___
Tech 469 Internship	3	___

Industrial Technology Core (from MSU): 30

Technical Block (minimum of 30 technical transfer credits from technical area) **30**

Total Program Credits: 60

300/400 Electives* 10

Students identifying Industrial Technology -- General Technology as their intended major at Moorhead State University may transfer up to 48 technical area credits. A minimum of 30 credits will be applied to the technical portion of the IT major. Any remaining technical transfer credits may be transferred as a block and designated as "free electives." **This 2+2 BS program, the first approved by MnSCU for block credit transfer, recognizes the technical courses as a cohesive set of courses with stated educational outcomes.** General Education credits will be evaluated and transferred, if appropriate for Liberal Arts or free electives. If the student changes his/her declared major after admission to the General Technology IT option, the MnSCU rule, which allows for 16 transfer credits, would automatically apply and the transcript will be reevaluated by the departmental faculty of the new declared major

*Enrolling in 300 level courses as part of the Liberal Studies requirements will assist students in meeting the Liberal Studies requirements, as well as meeting the 43 upper-division credit graduation requirement. Enrolling in 300 and 400 level courses is required and students should consult with their advisor for appropriate course selection.

**Moorhead State University's Liberal Studies Requirements--Check with your advisor or college transfer specialist for appropriate transfer course selections as the General Education portion of the two-year technical program of study. The courses listed are required to meet accreditation guidelines.

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"FastTrack" Technical Management Degree

Web Site: <http://techweb.moorhead.msus.edu>

03/11/99

Suggested Course Sequencing: General Technology

JUNIOR YEAR

Fall Semester:

Elective	3 cr
Tech 380-Methods Improvement	3 cr
Acct 230-Principles of Accounting 1	3 cr
Math 134-Elem. Prob & Statistics	4 cr
Elective	<u>3 cr</u>
Total	16 cr

Spring Semester:

Tech 394-Computer Applications	3 cr
Tech 383-Cost Analysis	3 cr
Engl 387-Technical Report Writing	4 cr
Mgmt 360-Principles of Management	3 cr
Elective	<u>4 cr</u>
Total	16 cr

SUMMER SESSION

Tech 469-Intemship	<u>3 cr</u>
Total	3 cr

SENIOR YEAR

Fall Semester:

Elective	3 cr
Tech 385-Process Leadership	3 cr
Tech 493-Industrial Safety/Health	3 cr
Elective	3 cr
Elective	<u>3 cr</u>
Total	15 cr

Spring Semester:

Elective	2 cr
Tech 428-Project Management	3 cr
Tech 482-Quality Planning/Implementation	3 cr
Elective	.3 cr
Elective	<u>3 cr</u>
Total	14 cr

The Industrial Technology degree prepares technical and/or technical management-oriented professionals for employment in business, industry, education, and government. The curriculum provides for:

1. Application of knowledge of theories, concepts, and principles found in the humanities and social and behavioral sciences, including a thorough grounding in communication skills.
2. Understanding of the theories and the ability to apply the principles and concepts of mathematics and science and the integration of computer applications.
3. Application of concepts derived from, and current skills developed in, a variety of technical and related disciplines including, but not limited to, materials and production processes, industrial management, electronics, graphics, communications, computer applications, and industrial safety.
4. Specialization in a technological field: Construction Management, Industrial Distribution, Industrial Management, General Technology, or other industrially related technical areas.

National Association of Industrial Technology's Definition of Industrial Technology

Central Lakes College Articulated Programs

The following programs at Central Lakes College have been reviewed and selected for inclusion in a transfer articulation agreement with Moorhead State University, which streamlines technical credit transfer into MSU's Industrial Technology General Technology option.

MSU's transfer specialist will evaluate the transferring student's transcript for General Education credits for transfer into MSU Liberal Arts requirement. If a student feels their transcript was not evaluated properly they are asked to contact the Department of Technology Office, their faculty advisor, or the Registrar's Office for further review or explanation.

Manufacturing

Machine Tool Technology	Diploma
Manufacturing Engineering	AAS
Manufacturing Maintenance Technician	Diploma
Mechanical Drafting and Design	Diploma
Welding and Fabrication	AAS
Welding (Manufacturing) Technology	AAS

Automotive

Auto Body Repair	Diploma
Automotive Technology	AAS, Diploma
Diesel and Heavy Equipment Technician	Diploma
Heavy Equipment Operations & Maint	Diploma
Outdoor Power & Recreation Vehicle	AAS, Diploma

Communication & Electronics

Robotics & Automated Systems	AAS
Personal Computer Network Administration	AAS
Personal Computer Support Specialist	Diploma
.. Safety & Environmental Compliance Specialist	AAS
Media & Communication Program (Four Emphasis Areas)	
Communication Art & Design	Diploma
Electronic Publishing/Pre-Press	Diploma
. Graphic Arts Process	Diploma
Photographic Imaging Technology	Diploma
Photographic Technology Equipment Service	AAS