



**AS/AAS/Diploma Articulation Agreements**  
**Industrial Technology BS degree**  
**2+2 TECHNICAL MANAGEMENT Option**



**Minnesota's Only Accredited Industrial Technology Program**

**ALEXANDRIA TECHNICAL COLLEGE**

1601 Jefferson Street  
 Alexandria, MN 56308

Technical Programs included in the 2+2 IT Technical Management Articulation Agreement

**Manufacturing Technology**

Fluid Power Technology	AAS, Diploma
Machine Tool Technology	Diploma
Manufacturing Engineering Technician	AAS, Diploma
Mechanical Engineering and Design Technology	AAS, Diploma

**Construction**

Carpentry	Diploma
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**Automotive**

Diesel Mechanics	AAS, Diploma
Marine and Small Engine Mechanic	Diploma

**Communication & Electronics**

Aviation Electronics	AAS, Diploma
Communication Art and Design	AAS, Diploma
Computer and Voice Networking	AAS
Computer Programmer Applications Developer	AAS
Computer Programmer	AAS
Computer Technical Support Specialist	AAS
Geographic Information Systems	AAS

**ANOKA-HENNEPIN TECHNICAL COLLEGE**

1355 West Highway 10  
 Anoka, MN 55303

Technical Programs included in the 2+2 IT Technical Management Articulation Agreement

**Design and Manufacturing**

Architectural Construction Technology	
Architecture and Construction Technician	Diploma
Architectural Technology	AAS
Mechanical Drafting and Design-CAD Drafter	AAS, Diploma





Machine Trades (3 programs)	
1. CNC Specialist	Diploma
2. Die Maker	Diploma
3. Mold Maker	Diploma
Tool Room Machinist	Diploma

**Electrical, Electronics and Building Technology**

Building Utilities Technician	Diploma
Construction Electrician	Diploma
Electronic Technician	AAS, Diploma
Industrial Technician	Diploma

**Transportation Careers**

Automotive Service Technician	AAS, Diploma
Outdoor Power Equipment Technician	Diploma

**Anoka Ramsey Community College**

11200 Mississippi Boulevard N.W.

Coon Rapids, MN

Technical Programs included in the 2+2 IT Technical Management Articulation Agreement

**Offered at Anoka-Ramsey Community College (ARCC)**

Computer Networking/Telecommunications AS

**In Cooperation with Anoka-Henepin Technical College (AHTC)**

Architectural Technology	AAS
Mechanical Drafting & Design Tech	AAS
Automotive Service Technology	AAS
Electronic Technician	AAS

**In Cooperation with Pine Technical College (PTC)**

Machinist III	AAS
Automotive Tech & Mechanics	AAS

**BISMARCK STATE COLLEGE**

1500 Edwards Avenue

P.O. Box 5587

Bismarck, ND 58506-5587

Technical Programs included in the 2+2 IT Technical Management Articulation Agreement

**Manufacturing Technology**

Engineering Technology	AAS, Diploma
Power Plant Technology	AAS, Diploma
Process Plant Technology	AAS, Diploma
Air Conditioning, Heating And Refrigeration	AAS, Diploma
Carpentry	AAS, Diploma
Welding	AAS, Diploma





**Automotive**

Automotive Technology	AAS, Diploma
Automotive Collision Technology	AAS, Diploma
Electrical Transmission Systems	AAS, Diploma

**Communication & Electronics**

Computer Science	AS
Computer Support Specialist	AAS
Electronics/Telecommunications Technology	AAS, Diploma
Information Processing Specialist	AAS
Commercial Art	AAS

**CENTRAL LAKES COLLEGE**

**A Community and Technical College**

501 West College Drive  
Brainerd, MN 56401

Technical Programs included in the 2+2 IT Technical Management Articulation Agreement

**Manufacturing Technology**

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

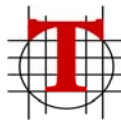
**Automotive**

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

**Communication & Electronics**

Robotics and Automated Systems	AAS
Personal Computer Network Administration	AAS
Safety & Environmental Compliance Specialist	AAS





Media & Communication Program (Four Emphasis Areas)

- |                                           |         |
|-------------------------------------------|---------|
| 1. Communication Art & Design             | Diploma |
| 2. Electronic Publishing/Pre-Press        | Diploma |
| 3. Graphic Arts Process                   | Diploma |
| 4. Photographic Imaging Technology        | Diploma |
| Photographic Technology Equipment Service | AAS     |

**CENTURY COLLEGE**

A Community and Technical College

3300 Century Avenue

White Bear Lake, MN 55110

Technical Programs included in the 2+2 IT Technical Management Articulation Agreement

**Manufacturing Technology**

- |                                                       |     |
|-------------------------------------------------------|-----|
| Heating, Ventilation, and Air Conditioning Technology | AAS |
| Laboratory Technology                                 | AAS |
| Machine Tool Technology                               | AAS |
| Marine and Power Equipment Technology                 | AAS |
| Quality Technology                                    | AAS |

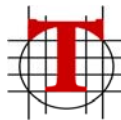
**Automotive**

- |                               |     |
|-------------------------------|-----|
| Auto Body Technology          | AAS |
| Automotive Service Technology | AAS |
| Truck/Diesel Technology       | AAS |

**Communication & Electronics**

- |                                         |     |
|-----------------------------------------|-----|
| Software Technologies                   | AS  |
| Engineering CAD Technician              | AAS |
| Visual Communications Technician        | AAS |
| Information & Communications Technology | AAS |
| Microcomputer Support Technology        | AAS |
| Facility Systems Technology             | AAS |





## DAKOTA COUNTY TECHNICAL COLLEGE

1300 East 145<sup>th</sup> Street  
Rosemount, MN 55068-2999

Technical Programs included in the 2+2 IT Technical Management Articulation Agreement

### Commercial & Residential Design Careers

Architectural Technology AAS, Diploma  
Interior Design & Sales Assistant AAS, Diploma

### Visual Communications Careers

Applied Visual Arts AAS, Diploma  
Graphic Design Technology AAS, Diploma  
Desktop Publishing Diploma  
Multi-Media & Web Page Design AAS  
Photographic Imaging Technology AAS

### Manufacturing & Telecommunications

Machine Tool Careers Diploma  
Telecommunications AAS, Diploma

### Transportation

Auto Body Collision Technology AAS, Diploma  
Automotive Service Educational  
Program (ASEP) AAS  
Automotive Technician Diploma  
Body Service Educational  
Program (BSEP) AAS  
Heavy Duty Truck Technology AAS, Diploma  
Heavy Construction Equipment  
Mechanic AAS, Diploma

### Business & Office Careers

Technical Management Specialist AAS  
Computer Networking  
& Data Communications AAS, Diploma  
Computer Programming AAS, Diploma  
Supervisory Management AAS

## HENNEPIN TECHNICAL COLLEGE

9000 Brooklyn Boulevard  
Brooklyn Park, MN 55445

Technical Programs included in the 2+2 IT Technical Management Articulation Agreement

### Business & Information Technology

PC Support Specialist AAS, Diploma  
C Programmer AAS, Diploma  
Visual Basic Programmer AAS, Diploma  
Network Administrator/Analyst AAS, Diploma  
Web Programmer AAS, Diploma





**Construction & Building Systems Technology**

Architectural Drafting & Design/CAD	AAS, Diploma
Cabinetmaking	AAS, Diploma
Heating, Ventilation, AC & Refrigeration	AAS

**Manufacturing & Electronics Technology**

Automated Machinery Systems: Packaging	AAS, Diploma
Electronics Technology	AAS, Diploma
Fluid Power Technology	AAS, Diploma
Machine Trades	
1. Computer Numerical Control Technician	AAS, Diploma
2. Die Making	AAS, Diploma
3. Mold Making	AAS, Diploma
Mechanical Design Technology (CAD)	AAS, Diploma
Plastics Technology	AAS, Diploma
Welding	Diploma
Manufacturing Engineering TECHNOLOGY	AAS

**Transportation Technology**

Auto Body Technician	Diploma
Automotive Technician	AAS, Diploma
Marine/Motor Sports Technician	Diploma
Chrysler Dealership Apprenticeship	AAS
Automotive Technology (Ford ASSET)	AAS
Medium/Heavy Truck Technology	AAS

**LAKE AREA TECHNICAL INSTITUTE (SD)**

230 11<sup>th</sup> Street NE

P.O. Box 730

Watertown, SD, 57201-0730

Technical Programs included in the 2+2 IT Technical Management Articulation Agreement

**Automotive Technology**

Automotive Technology	AAS
Diesel Technology	AAS
Agriculture/Industrial Option	AAS
Truck Option	AAS





**Electronic & Communication**

Computer Information Systems	AAS
1. Programming Specialist	AAS
2. Network Specialist	AAS
3. Software Specialist	AAS
Electric Systems Technology	AAS

**Others**

Aviation Maintenance Technology	AAS, Diploma
Building Trades Technology	AAS
Engineering/Architectural Drafting Technology	AAS
1. Architectural Option	AAS
2. Mechanical Option	AAS
Industrial Automation Technology	AAS
Machine Tool Technology	Diploma

**LAKE SUPERIOR COLLEGE**

2101 Trinity Road  
Duluth, MN 55811-3399

Technical Programs included in the 2+2 IT Technical Management Articulation Agreement

**Computer Careers**

Computer Programmer	AAS, Diploma
Microcomputing Support Specialist	AAS
Network Specialist	AAS

**Drafting & Engineering Careers**

Architectural Technology	AAS, Diploma
Civil Engineering Technology	AAS, Diploma
Computer Aided Design Engineering Technology	AAS, Diploma

**Machine Tool Careers**

CNC Machine Programmer	Diploma
Toolmaker	Diploma

**Trade & Technical Careers**

Building Construction	AAS, Diploma
Commercial & Residential Wiring	AAS, Diploma
Electronic Engineering Technology	
1. Digital Communications	AAS
2. Industrial Controls	AAS
Electronic Technology	Diploma

**Transportation Careers**

Auto Body Technology	Diploma
Automotive Service Technology	AAS, Diploma
Diesel & Power Equipment	Diploma





**MINNEAPOLIS COMMUNITY & TECHNICAL COLLEGE**

1501 Hennepin Avenue  
Minneapolis, MN 55403-1779

Technical Programs included in the 2+2 IT Technical Management Articulation Agreement

**Manufacturing Technology**

Architectural Technology	Diploma
Machine Tool Technologies	Diploma
Patternmaking/Modelmaking	Diploma
Refrigeration, Air Conditioning, and Heating Service	AAS, Diploma

**Construction**

Cabinetmaking	AAS, Diploma
Construction Electricity	Diploma

**Automotive**

Automotive Mechanics	Diploma
Aviation Mechanics	Diploma

**Computer & Electronics**

Computer Programming	AAS, Diploma
Computer Support and Network Administration	AAS, Diploma

**MINNESOTA WEST COMMUNITY & TECHNICAL COLLEGE**

1011 First Street West  
Canby, MN 56220

Technical Programs included in the 2+2 IT Technical Management Articulation Agreement

**Agricultural/Environmental**

Soil and Water Conservation Technology	AAS
Soil and Water Conservation Technician	Diploma

**Business/Computer Careers**

CAD Science Technology	AS
Computer Engineering Technology	AAS
Computer Applied Technology	AS
Computer Specialist	AAS
Computer Support Technician	AAS
Computer & Information Technology	AAS
Networking Specialist	AAS, Diploma

**Construction**

Electrician	AAS, Diploma
Plumbing Technology	AAS

**Graphic Design**

Graphic Communications	AAS, Diploma
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**Electronics**

Electronic Technology AAS, Diploma

**Technical & Manufacturing**

Computer Aided Drafting AAS  
 Electric Utility Technology AAS  
 Electric Utility Technician Diploma  
 Fluid Power Technology AAS, Diploma  
 HVAC/R Technology AAS, Diplomat  
 Machine Tool Technology AAS, Diploma  
 Powerline Technology AAS, Diploma  
 Robotics Technician AAS, Diploma  
 Manufacturing Engineering Technician AAS  
 Telecommunications Administration AAS  
 Telecommunications System Technician Diploma  
 Processing Plant Technician AAS

**Transportation & Mechanical**

Automotive Technician Diploma  
 Automotive Technology AAS  
 Auto Body Technology AAS  
 Auto Body Repair & Refinishing Diploma  
 Collision Repair Technology Diploma  
 Diesel Technology AAS  
 Diesel Technician Diploma

**NORTH DAKOTA STATE SCHOOL OF SCIENCE**

800 6<sup>th</sup> St. N.

Wahpeton, ND 58076-0002

Technical Programs included in the 2+2 IT Technical Management Articulation Agreement

**Transportation**

Auto Body Repair & Refinishing Technology AAS, Diploma  
 Automotive Technology AAS, Diploma  
 Diesel Technology AAS, Diploma  
 Recreational Engines Technology AAS, Diploma

**Communication & Electronics**

Computer Information Systems—  
 1. Computer Programming AS  
 2. Microcomputer Specialist AS  
 Electronic Technology AAS  
 Graphic Arts Technology AAS, Diploma





**Manufacturing Technology**

Architectural Drafting & Estimating Technology	AAS
Building Construction Technology	AAS
Civil Engineering & Surveying Technology	AAS
Electrical Technology	
1. Electrical Construction	AAS
2. Industrial Electrical	AAS
Automated Manufacturing Technician	AAS
Machinist & Toolmaker	AAS, Diploma
Mechanical Drafting & Design Technology	AAS
Mechanical Systems Technology	AAS
Refrigeration/Air Conditioning	AAS
Welding Technology	AAS, Diploma

**NORTHLAND COMMUNITY COLLEGE**

1101 Highway 1 East  
Thief River Falls, MN 56701

Technical Programs included in the 2+2 IT Technical Management Articulation Agreement

Architectural Drafting & Design	AAS
Aviation Maintenance Technology	AAS
Avionics	AAS
Electronics	AAS

**NORTHWEST TECHNICAL COLLEGE**

Highway 220 North  
East Grand Forks, MN 5621  
**East Grand Forks Campus**

Technical Programs included in the 2+2 IT Technical Management Articulation Agreement

**Automotive**

Automotive Service Technology	AAS, Diploma
Diesel Equipment Technology	AAS, Diploma

**Communications & Electronics**

Electronics Technnology- Industrial Emphasis	AAS, Diploma
Microcomputer & Network Technology	AAS





**Construction**

Carpentry AAS, Diploma

**Manufacturing Technology**

Fire Technology & Administration AAS

Manufacturing Engineering  
Technology AAS

**NORTHWEST TECHNICAL COLLEGE**

**Bemidji Campus**

President's Office  
1103 Roosevelt Road S.E.  
Bemidji, MN 56601

Technical Programs included in the 2+2 IT Technical Management Articulation Agreement

**Automotive**

Automotive Machining Technology AAS, Diploma

Automotive Service Technology AAS, Diploma

Heavy Equipment Operation  
And Maintenance Diploma

**Communications & Electronics**

Microcomputer & Network  
Technology AAS

Technical Analyst AAS

**Construction**

Carpentry AAS, Diploma

**Manufacturing Technology**

Fire Technology & Administration AAS

Manufacturing Engineering  
Technology AAS

**NORTHWEST TECHNICAL COLLEGE**

**Detroit Lakes Campus**

900 Highway 34 East  
Detroit Lakes, MN 56601-9988

Technical Programs included in the 2+2 IT Technical Management Articulation Agreement

**Automotive**

Auto Body Collision Technology AAS, Diploma

Automotive Service Technology AAS, Diploma

Marine Engine Technology AAS, Diploma





**Communications & Electronics**

Biomedical Equipment Technology	AAS, Diploma
Microcomputer & Network Technology	AAS
Radiology Equipment Service Technology	AAS, Diploma
Technical Analyst	AAS

**Construction**

Architectural Technology	AAS
Construction Electricity	Diploma
Civil Engineering Technology	AAS

**NORTHWEST TECHNICAL COLLEGE**

**Moorhead Campus**

1900 28<sup>th</sup> Avenue South  
Moorhead, MN 56560

Technical Programs included in the 2+2 IT Technical Management Articulation Agreement

**Automotive**

Automotive Service Technology	AAS, Diploma
Diesel Equipment Technology	AAS, Diploma

**Communications & Electronics**

Computer Programming	AAS, Diploma
Electronics Technology	AAS, Diploma
Electronics Technology- Computer Systems Emphasis	AAS, Diploma
Mechanical CAD Design & Detailing	AAS, Diploma
Manufacturing Engineering Technology	AAS
Microcomputer & Network Technology	AAS

**Construction**

Carpentry	AAS, Diploma
Construction Electricity	Diploma
Construction Management	AAS
Refrigeration & Air Conditioning	Diploma



**NORTHWEST TECHNICAL COLLEGE****Wadena Campus**405 S.W. Colfax, P.O. Box 56  
Wadena, MN 56482

Technical Programs included in the 2+2 IT Technical Management Articulation Agreement

**Communications & Electronics**

Electronics Technology	AAS, Diploma
Electronics Technology Computer Systems Emphasis	AAS, Diploma
Microcomputer & Network Technology	AAS

**Construction**

Carpentry	AAS, Diploma
Construction Electricity	Diploma
Construction Electricity Industrial Maintenance Emphasis	Diploma

**Manufacturing Technology**

Heating, Sheet Metal & Air Conditioning Technology	AAS, Diploma
Telecommunications Engineering Technology	AAS, Diploma
Telecommunications Engineering Tech – Information Systems	AAS, Diploma

**MINNESOTA RIVERLAND TECHNICAL COLLEGE**Albert Lea Campus  
2200 Tech Drive  
Albert Lea, MN 56007

Technical Programs included in the 2+2 IT Technical Management Articulation Agreement

**Transportation Technology**

Ag/ Diesel Mechanic	Diploma
Automotive Service Technology	AAS, Diploma
Collision Repair	Diploma
Truck Diesel Mechanics	Diploma

**Trades and Industrial**

Carpentry Technology	Diploma
Construction Electrician	Diploma
Industrial Maintenance & Mechanics	Diploma

**Computer & Communication Technology**

Electronic Technician	Diploma
Computer Technology	AAS



**ST. CLOUD TECHNICAL COLLEGE**1540 Northway Drive  
St. Cloud, MN 56303-1240

Technical Programs included in the 2+2 IT Technical Management Articulation Agreement

**Transportation Technology**

Automotive Body Collision Technology	AAS, Diploma
Automotive Service Technician	AAS, Diploma
Automotive Service Technician T-TEN	AAS, Diploma
Medium/Heavy Truck Technician	AAS, Diploma

**Construction Technology**

Architectural Construction Technology	AAS, Diploma
Carpentry	AAS, Diploma
Civil Engineering Technology	AAS, Diploma
Construction Electrician	AAS, Diploma
Commercial Heating, A/C & Refrigeration	Diploma
Plumbing	AAS
Water Environment Technologies	AAS

**Manufacturing Technology**

Computer-Aided Drafting & Design	AAS, Diploma
Industrial Electronics Technician	AAS, Diploma
Instrumentation & Process Control Technology	AAS, Diploma
Machine Tool Technology	Diploma

**Communication & Information Technology**

Computer Programmer	AAS, Diploma
Microcomputer Support and Network Administration	AAS, Diploma

**ST. PAUL TECHNICAL COLLEGE**235 Marshall Avenue  
St. Paul, MN 55102

Technical Programs included in the 2+2 IT Technical Management Articulation Agreement

**Business Division Programs**

Computer Programmer	AAS, Diploma
Microcomputer Software Support	AAS, Diploma
Network Engineering	AAS, Diploma
Visual Communications	



## TECHNOLOGY DEPARTMENT



2+2 ARTICULATION AGREEMENTS  
SEPTEMBER, 2001

1. Graphic Arts
2. Graphic Design

Diploma  
Diploma

### Technical Programs

Architectural & Engineering

AAS, Diploma

Technology

Automated Manufacturing

AAS

Technology

Chemical Technology

AAS, AS, Diploma

Electronic Technology

AAS, Diploma

Mechanical Design

Technology

AAS, Diploma

Surveying & Civil

Technology

AAS, Diploma

### Trade and Industrial Programs

Automotive Service Technician

Diploma

Cabinet Making

Diploma

Construction Electricity

Diploma

Industrial Machine Maintenance

Diploma

Machine Tool Technology

1. Precision Machining

Diploma

2. Tool and Die Moldmaking

Diploma

Truck Technician

Diploma

Welding Fabrication

Diploma



## SOUTH CENTRAL TECHNICAL COLLEGE

Faribault Campus  
1225 S.W. Thirs Street  
Faribault, MN 55021

Technical Programs included in the 2+2 IT Technical Management Articulation Agreement

### Fairbault Campus

Carpentry/Cabinetmaking

Diploma

Engineering Drafting Technician

AAS, Diploma

Industrial Welding & Fabrication

Diploma

Machine Tool Technology

Diploma

Manufacturing Technical Specialist

AAS

### North Mankato/Mankato Campus

Architectural Drafting

AAS, Diploma

Auto Body & Collision Technology

AAS, Diploma

Automotive Service

AAS, Diploma

Civil Engineering Technology

AAS

Commercial & Technical Art

AAS, Diploma

Computer Programmer

AAS, Diploma

Electronics for Manufacturing

Technologies

AAS, Diploma



COLLEGE OF BUSINESS & INDUSTRY

MINNESOTA STATE UNIVERSITY MOORHEAD



Graphics Production	AAS, Diploma
Land Surveying Technology	AAS
Machine Tool Careers	
1. CNC Machine Operator & Programmer	AAS, Diploma
2. Toolmaker	AAS, Diploma
Mechanical Drafting & Design Technology	AAS
Microcomputer Support Technician	AAS, Diploma
Refrigeration, Heating, Air Conditioning & Major Appliance	AAS, Diploma
Wireless Communications Electronic Technician	AAS

## Programs under review

**Ridgewater Community and Technical College**  
Willmar & Hutchinson, MN

