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# Minnesota Dual-Training Pipeline

Related Instruction Inventory

2021

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## Related Instruction Inventory

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*Upon request, this material will be made available in an alternative format such as audio, Braille or large print.  
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## Introduction

Minnesota Statutes 136A.246 Subd. 3 require the Minnesota Department of Labor and Industry (DLI) and the Minnesota Office of Higher Education (OHE) to maintain an inventory of degree, certificate, and credential programs that provide training to meet competency standards for the Dual Training Competency Grant Program. This report provides an inventory of these training programs which is also available as an interactive tool on the websites for both [DLI](#) and [OHE](#).

## Background

COVID-19 has posed significant challenges to Minnesota's workforce and economy. Despite these challenges Minnesota employers continue to find and need creative solutions to help them meet their workforce needs. To ensure employers have the workforce they need to succeed, industry leaders must continue working together to ensure workers have the skills employers need. Particularly in the industries of advanced manufacturing, agriculture, health care and information technology, the [Minnesota Dual-Training Pipeline](#) supports employers building their own dual-training programs, which pair on-the-job training with related instruction to create a powerful learning tool to ensure workers have the skills the employer needs. The Minnesota Dual-Training Pipeline team, housed with the Minnesota Department of Labor and Industry (DLI), serves as a convener and strategic leader to support this alignment and workforce development effort. [Minnesota statutes 175.45](#) lay out the required duties to ensure this work is performed comprehensively.

Initiated in 2014 and continuing today, Minnesota Dual-Training Pipeline provides strategic direction for the state as it relates to employment-based dual training. The team does this through three key strategies:

- 1. Industry Forums:** Inform and direct Pipeline regarding industry trends and needs aimed to expand dual training.
- 2. Competency Councils:** Define and identify specific occupational competencies for the four key industries.
- 3. Dual-training consulting:** Create and disseminate dual-training resources for employers, employees and dual trainees: toolbox, grants and expanding mentorship networks to set up dual training.

As part of the Competency Council work, the Dual-Training Pipeline team creates competency model pyramids for each of the occupations identified by industry leaders. The pyramid design is widely used by the United States Department of Labor and groups across the country. In 2021, the team added eleven occupations, bringing the total to 67. Through a thorough validation process involving employers across the state, these pyramids are published and serve as the framework for dual-training program development. A sample pyramid is provided in Appendix A.

The contents of the pyramid include:

- Personal Effectiveness Competencies at the base, which are often character traits and employable qualities;
- Academic Competencies are general and accumulated throughout one's education starting in secondary school;

- Workplace Competencies focus on those abilities to make one an effective employee and teammate.
- Industry-Wide Technical Competencies include the abilities generally required to make one excel in a particular occupation in a specific industry;
- Industry-Sector Technical Competencies become more specific within the occupation in the industry and are typically emphasized in the related instruction portion of a dual-training program;
- Occupation-Specific Competencies are more specific to the work an individual would perform routinely and are emphasized in on-the-job training;
- Employer-Specific Requirements include organization-specific competencies and culture. This portion of the pyramid is left open to encourage employers to include their own tailored content.

The process for developing each pyramid varies, but generally:

1. The Dual-Training Pipeline team receives a request for an occupation to be added;
2. The criteria for adding an occupation include:
  - a. At least two employers express the need for the occupational training model;
  - b. The occupation leads to a pathway to pay a family-sustaining wage in Minnesota of \$18.20/hour;
  - c. The occupation is determined “in-demand” with three stars from DEED’s Labor Market Information team;
  - d. The occupation offers a career pathway with opportunities for advancement; and
  - e. The occupation lends itself well to the dual-training model of concurrent on-the-job training paired with related instruction.
3. A Dual-Training Pipeline team member drafts the pyramid using sample position descriptions, job postings and data from the Bureau of Labor Statistics;
4. The Dual-Training Pipeline team convenes a Competency Council (either in-person or virtually) consisting of employers who hire individuals in this occupation to validate the competencies;
5. The team then solicits additional input from other industry leaders.

With all input collected, the team then finalizes the contents in the pyramid and puts together definitions and a training plan template, which includes space for the employer to identify how each competency will be addressed in their own training plan.

For each occupation and resulting competency model, the Minnesota Dual-Training Pipeline team performs extensive research to provide an inventory of related instruction for employers to use to search for education opportunities that will address those industry and industry-sector technical competencies. The inventory includes comprehensive options in Minnesota for instruction with varying requirements and credentials.

The related instruction inventory is now available in an [interactive tool](#) on the websites for both DLI and OHE.

The inventory, organized by industry, then occupation, includes:

- title of the training program;
- training institution;
- location;
- whether or not the training is available online;
- number of academic credits;
- duration of the training;

- whether or not the training provider has participated in the Dual Training Grant program administered by the Office of Higher Education for that program;
- whether or not the competencies addressed have been mapped to the pyramid model; and
- the URL (live and linked).

In addition to the interactive tool, DLI keeps comprehensive source excel documents which also include a crosswalk of competencies. Some training providers go the extra mile and map their competencies to the pyramids; many do not take this step. This is all reflected in the excel documents that support the interactive tool.

Should any questions arise, please reach out to the Minnesota Dual-Training Pipeline team at 651-284-5353 or [PIPELINE.Program@state.mn.us](mailto:PIPELINE.Program@state.mn.us).



ADVANCED MANUFACTURING — CMM Programmer

| Program                          | Training Institution                       | Location      | Online | Credit      | Duration         | Credential        | Has Participated in DTG Program | Competencies Mapped | URL   |
|----------------------------------|--|---------------|--------|-------------|------------------|-------------------|---------------------------------|---------------------|---|
| CNC Machine Tool                 | Southeast Community & Technical College    | Winona        | No     | 58 credits  | 2 years          | Diploma           | No                              | No                  | <a href="http://www.southeastmn.edu/academic_programs/Major.aspx?MajorID=618">http://www.southeastmn.edu/academic_programs/Major.aspx?MajorID=618</a>   |
| CNC Technician                   | Hennepin Technical College                 | Brooklyn Park | No     | 64 credits  | 2 years          | Diploma           | No                              | No                  | <a href="http://hennepintech.smartcatalogiq.com/en/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Machine-Tool-Technology">http://hennepintech.smartcatalogiq.com/en/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Machine-Tool-Technology</a> |
| CNC Technician                   | Hennepin Technical College                 | Brooklyn Park | No     | 72 credits  | 2 years          | Associates Degree | No                              | No                  | <a href="http://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Machine-Tool-Technology">http://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Machine-Tool-Technology</a>       |
| CNC Toolmaking                   | St. Paul College                           | St. Paul      | No     | 63 credits  | 1 1/2 to 2 years | Diploma           | No                              | No                  | <a href="https://www.saintpaul.edu/programs/ProgramGuides/CNCToolmakingDiploma.pdf">https://www.saintpaul.edu/programs/ProgramGuides/CNCToolmakingDiploma.pdf</a>   |
| Computer Aided Mechanical Design | St. Cloud Technical & Community College    | Saint Cloud   | No     | 68 credits  | 2 years          | Associates        | No                              | No                  | <a href="https://www.sctcc.edu/degrees-programs/computer-aided-mechanical-design/computer-aided-mechanical-design-aas-68-credits">https://www.sctcc.edu/degrees-programs/computer-aided-mechanical-design/computer-aided-mechanical-design-aas-68-credits</a>   |
| Engineering CAD Technology       | Hennepin Technical College                 | Brooklyn Park | No     | 72 credits  | 2 years          | Associates        | Yes                             | No                  | <a href="https://hennepintech.smartcatalogiq.com/en/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Engineering-CAD">https://hennepintech.smartcatalogiq.com/en/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Engineering-CAD</a>               |
| Engineering CAD Technology       | Hennepin Technical College                 | Brooklyn Park | No     | 64 credits  | 2 years          | Diploma           | No                              | No                  | <a href="https://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Engineering-CAD">https://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Engineering-CAD</a>                     |
| Engineering Technology           | Bemidji State University                   | Bemidji       | No     | 120 credits | 4 years          | Bachelors         | No                              | No                  | <a href="https://www.bemidjistate.edu/academics/departments/technology-art-design/technology-programs/engineering-technology/">https://www.bemidjistate.edu/academics/departments/technology-art-design/technology-programs/engineering-technology/</a>   |
| Machine Operations               | Central Lakes College                      | Staples       | No     | 32 credits  | 1 year           | Certificate       | No                              | No                  | <a href="http://www.clcmn.edu/machine-operations-diploma/#1506450587743-111f9b93-f9a2a5c3-e10f31d5-30e7168c-ba6e8221-56fdeec2-e27b">http://www.clcmn.edu/machine-operations-diploma/#1506450587743-111f9b93-f9a2a5c3-e10f31d5-30e7168c-ba6e8221-56fdeec2-e27b</a>   |
| Machine Technology               | Central Lakes College                      | Staples       | No     | 30 credits  | 1 year           | Certificate       | No                              | No                  | <a href="http://www.clcmn.edu/machine-technology-certificate-2/#1506450587743-111f9b93-f9a2a5c3-e10f31d5-30e7168c-ba6e8221-56fd43-5559">http://www.clcmn.edu/machine-technology-certificate-2/#1506450587743-111f9b93-f9a2a5c3-e10f31d5-30e7168c-ba6e8221-56fd43-5559</a>   |
| Machine Technology 3             | Anoka Technical College                    | Anoka         | No     | 16 credits  | 1-2 years        | Certificate       | No                              | No                  | <a href="http://www.anokatech.edu/ProgramsCourses/EngManu fTech/MachineTrades/Machine-Technology">http://www.anokatech.edu/ProgramsCourses/EngManu fTech/MachineTrades/Machine-Technology</a>   |
| Machine Tool Technology          | Dunwoody College of Technology             | Minneapolis   | No     | 72 credits  | 4 Semesters      | Associates Degree | No                              | No                  | <a href="https://catalog.dunwoody.edu/catalog-student-handbook/academic-programs/robotics-manufacturing/machine-tool-technology-mach">https://catalog.dunwoody.edu/catalog-student-handbook/academic-programs/robotics-manufacturing/machine-tool-technology-mach</a>   |
| Machine Tool Technology          | Alexandria Technical and Community College | Alexandria    | No     | 72 credits  | 2 years          | Diploma           | No                              | No                  | <a href="https://www.alextech.edu/programs/machine-tool-technology/curriculum">https://www.alextech.edu/programs/machine-tool-technology/curriculum</a>   |
| Machine Tool Technology          | South Central College                      | North Mankato | No     | 66 credits  | 2 years          | Diploma           | No                              | No                  | <a href="https://southcentral.edu/Award/dip3517.html">https://southcentral.edu/Award/dip3517.html</a>   |
| Machining Technician             | Ridgewater College                         | Hutchinson    | No     | 32 credits  | 1 year           | Diploma           | No                              | No                  | <a href="https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2901">https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2901</a>   |
| Mechanical CAD Drafter           | Anoka Technical College                    | Anoka         | No     | 58 credits  | 2 years          | Diploma           | No                              | No                  | <a href="http://www.anokatech.edu/-/media/Files/New-Web-Site-Files/Programs-and-Courses/Guidesheets/21-22/MECH-">http://www.anokatech.edu/-/media/Files/New-Web-Site-Files/Programs-and-Courses/Guidesheets/21-22/MECH-</a>   |
| Mechanical CAD Operator          | Anoka Technical College                    | Anoka         | No     | 25 credits  | 1 year           | Certificate       | No                              | No                  | <a href="http://www.anokatech.edu/-/media/Files/New-Web-Site-Files/Programs-and-Courses/Guidesheets/21-22/MECH-">http://www.anokatech.edu/-/media/Files/New-Web-Site-Files/Programs-and-Courses/Guidesheets/21-22/MECH-</a>   |

ADVANCED MANUFACTURING — CMM Programmer

| Program                                      | Training Institution                          | Location                   | Online | Credit     | Duration           | Credential  | Has Participated in DTG Program | Competencies Mapped | URL   |
|--|---|----------------------------|--------|------------|--------------------|-------------|---------------------------------|---------------------|---|
| Mechanical Design & Manufacturing Technician | St. Cloud Technical & Community College       | St Cloud                   | No     | 18 credits | 6 months           | Credential  | No                              | No                  | <a href="https://www.sctcc.edu/degrees-programs/computer-aided-design-manufacturing/mechanical-design-manufacturing-tech-18-credits">https://www.sctcc.edu/degrees-programs/computer-aided-design-manufacturing/mechanical-design-manufacturing-tech-18-credits</a>   |
| Mechanical Drafting & Design                 | Anoka Technical College                       | Anoka                      | No     | 69 credits | 2 years            | Associates  | No                              | No                  | <a href="http://www.anokatech.edu/-/media/Files/New-Web-Site-Files/Programs-and-Courses/Guidesheets/21-22/MECH-">http://www.anokatech.edu/-/media/Files/New-Web-Site-Files/Programs-and-Courses/Guidesheets/21-22/MECH-</a>   |
| PC DMIS Training                             | Hexagon Metrology / Productivity Quality Inc. | Plymouth                   | No     | Non credit | Less than 1 month  | Certificate | Yes                             | No                  | <a href="https://www.gagesite.com/training/pcdmis">https://www.gagesite.com/training/pcdmis</a>   |
| Quality Assurance                            | Hennepin Technical College                    | Brooklyn Park/Eden Prairie | No     | 16 credits | 1 year             | Certificate | Yes                             | No                  | <a href="http://hennepintech.smartcatalogiq.com/en/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Machine-Tool-Technology-">http://hennepintech.smartcatalogiq.com/en/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Machine-Tool-Technology-</a> |
| Quality Inspector                            | Anoka Technical College                       | Anoka                      | No     | 30 credits | 1 year             | Certificate | No                              | No                  | <a href="http://www.anokatech.edu/-/media/Files/New-Web-Site-Files/Programs-and-Courses/Guidesheets/21-22/QUAL-">http://www.anokatech.edu/-/media/Files/New-Web-Site-Files/Programs-and-Courses/Guidesheets/21-22/QUAL-</a>   |
| Quality Technician                           | Anoka Technical College                       | Anoka                      | No     | 60 credits | 2 years            | Associates  | No                              | No                  | <a href="http://www.anokatech.edu/-/media/Files/New-Web-Site-Files/Programs-and-Courses/Guidesheets/21-22/QUAL-">http://www.anokatech.edu/-/media/Files/New-Web-Site-Files/Programs-and-Courses/Guidesheets/21-22/QUAL-</a>   |
| Robotics & Automation Tech                   | St. Cloud Technical & Community College       | St. Cloud                  | No     | 60 credits | 2 years            | Associates  | No                              | No                  | <a href="https://www.sctcc.edu/degrees-programs/energy-electronics/robotics-and-automation-technology-aas-60-credits">https://www.sctcc.edu/degrees-programs/energy-electronics/robotics-and-automation-technology-aas-60-credits</a>   |
| Robotics & Automation Tech                   | St. Cloud Technical & Community College       | St. Cloud                  | No     | 57 credits | 2 years            | Diploma     | Yes                             | No                  | <a href="https://www.sctcc.edu/degrees-programs/energy-electronics/robotics-and-automation-technology-aas-60-credits">https://www.sctcc.edu/degrees-programs/energy-electronics/robotics-and-automation-technology-aas-60-credits</a>   |
| Robotics Vision Advanced Certificate         | Central Lakes College                         | Brainerd                   | No     | 10 credits | Less than 1 year   | Certificate | No                              | No                  | <a href="http://www.clcmn.edu/robotic-vision-advanced-certificate/">http://www.clcmn.edu/robotic-vision-advanced-certificate/</a>   |
| Solidworks                                   | Symmetry Solutions Inc.                       | Brooklyn Park              | No     | Non credit | Less than 6 months | Certificate | Yes                             | No                  | <a href="https://hawkridgesys.com/solidworks">https://hawkridgesys.com/solidworks</a>   |

**ADVANCED MANUFACTURING — CNC Programmer**

| Program                                | Training Institution                        | Location        | Online       | Credit     | Duration         | Credential  | Has Participated in DTG Program | Competencies Mapped | URL   |
|--|---|-----------------|--------------|------------|------------------|-------------|---------------------------------|---------------------|---|
| Advanced CNC Machine Technology        | Anoka Technical College                     | Anoka           | No           | 64 credits | 2 years          | Diploma     | No                              | No                  | <a href="http://anokatech.edu/~media/Files/New-Web-Site-Files/Programs-and-Courses/Guidesheets/21-22/MACH-DIP.ashx?la=en&amp;hash=08154D57B7D818D455E75B5D45">http://anokatech.edu/~media/Files/New-Web-Site-Files/Programs-and-Courses/Guidesheets/21-22/MACH-DIP.ashx?la=en&amp;hash=08154D57B7D818D455E75B5D45</a>                                       |
| Advanced Manufacturing Technology      | Pine Technical and Community College        | Pine City       | No           | 60 credits | 2 years          | Associates  | No                              | No                  | <a href="http://pine.edu/programs/advanced-manufacturing-technology/advanced-manufacturing-technology/">http://pine.edu/programs/advanced-manufacturing-technology/advanced-manufacturing-technology/</a>   |
| Advanced Manufacturing Technology      | Pine Technical and Community College        | Pine City       | No           | 45 credits | 1-2 years        | Diploma     | No                              | No                  | <a href="http://pine.edu/programs/advanced-manufacturing-technology/advanced-manufacturing-technology/">http://pine.edu/programs/advanced-manufacturing-technology/advanced-manufacturing-technology/</a>   |
| CNC and Advanced Machining             | St. Cloud Technical & Community College     | St. Cloud       | No           | 60 credits | 2 years          | Associates  | Yes                             | No                  | <a href="https://www.sctcc.edu/degrees-programs/cnc-and-advanced-machining/cnc-and-advanced-machining-aas-60-credits">https://www.sctcc.edu/degrees-programs/cnc-and-advanced-machining/cnc-and-advanced-machining-aas-60-credits</a>   |
| CNC and Advanced Machining             | St. Cloud Technical & Community College     | St. Cloud       | No           | 54 credits | 2 years          | Diploma     | Yes                             | No                  | <a href="https://www.sctcc.edu/degrees-programs/cnc-and-advanced-machining/cnc-and-advanced-machining-diploma-54-credits">https://www.sctcc.edu/degrees-programs/cnc-and-advanced-machining/cnc-and-advanced-machining-diploma-54-credits</a>   |
| CNC Design & Manufacturing Technology  | Anoka Technical College                     | Anoka           | No           | 69 credits | 2 years          | Associates  | No                              | No                  | <a href="http://anokatech.edu/~media/Files/New-Web-Site-Files/Programs-and-Courses/Guidesheets/21-22/MACH-AAS.ashx?la=en&amp;hash=5A52EF88F21D57C74AF7BAF5D5">http://anokatech.edu/~media/Files/New-Web-Site-Files/Programs-and-Courses/Guidesheets/21-22/MACH-AAS.ashx?la=en&amp;hash=5A52EF88F21D57C74AF7BAF5D5</a>                                       |
| CNC Machine Tool                       | Southeast Technical MN State College        | Red Wing/Winona | No           | 59 credits | 2 years          | Diploma     | No                              | No                  | <a href="https://www.southeastmn.edu/academics/MajorDetail.aspx?i=618">https://www.southeastmn.edu/academics/MajorDetail.aspx?i=618</a>   |
| CNC Machining for Wood and Plastics    | Hennepin Technical College                  | Brooklyn Park   | No           | 13 credits | 1 semester       | Certificate | No                              | No                  | <a href="http://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Building-and-Landscape/Cabinetmaking-and-Wood-Product-">http://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Building-and-Landscape/Cabinetmaking-and-Wood-Product-</a>   |
| CNC Machinist                          | Minneapolis Community and Technical College | Minneapolis     | No           | 60 credits | 2 years          | Associates  | No                              | No                  | <a href="https://mctc.decisionacademic.com/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroup=2310&amp;topicid=3036&amp;loaduserredits=True&amp;ga=2.46863527.183198487">https://mctc.decisionacademic.com/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroup=2310&amp;topicid=3036&amp;loaduserredits=True&amp;ga=2.46863527.183198487</a> |
| CNC Precision Manufacturing Technician | Ridgewater College                          | Hutchinson      | Yes, Partial | 64 credits | 1-2 years        | Diploma     | Yes                             | No                  | <a href="https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2899">https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2899</a>   |
| CNC Precision Manufacturing Technician | Ridgewater College                          | Hutchinson      | Yes, Partial | 67 credits | 2 years          | Associates  | Yes                             | No                  | <a href="https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2898">https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2898</a>   |
| CNC Swiss Turning Center Technician    | Hennepin Technical College                  | Brooklyn Park   | No           | 9 credits  | 1 semester       | Certificate | No                              | No                  | <a href="http://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Machine-Tool-Technology-">http://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Machine-Tool-Technology-</a>   |
| CNC Technician                         | Hennepin Technical College                  | Brooklyn Park   | No           | 64 credits | 2 years          | Diploma     | Yes                             | No                  | <a href="http://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Machine-Tool-Technology-">http://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Machine-Tool-Technology-</a>   |
| CNC Technician                         | Hennepin Technical College                  | Brooklyn Park   | No           | 72 credits | 2 years          | Associates  | No                              | No                  | <a href="http://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Machine-Tool-Technology-">http://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Machine-Tool-Technology-</a>   |
| CNC Technologies                       | Central Lakes College                       | Brainerd        | No           | 64 credits | 2 years          | Associates  | No                              | No                  | <a href="http://www.clcmn.edu/cnc-technologies-a-a-s-degree/">http://www.clcmn.edu/cnc-technologies-a-a-s-degree/</a>   |
| CNC Technologies                       | Central Lakes College                       | Brainerd        | No           | 48 credits | 3 semesters      | Diploma     | No                              | No                  | <a href="http://www.clcmn.edu/cnc-technologies/">http://www.clcmn.edu/cnc-technologies/</a>   |
| CNC Toolmaking                         | St. Paul College                            | St. Paul        | No           | 63 credits | 1 1/2 to 2 years | Diploma     | No                              | No                  | <a href="https://www.saintpaul.edu/programs/ProgramGuides/CNCToolmakingDiploma.pdf">https://www.saintpaul.edu/programs/ProgramGuides/CNCToolmakingDiploma.pdf</a>   |

**ADVANCED MANUFACTURING — CNC Programmer**

| Program  | Training Institution                       | Location      | Online       | Credit     | Duration           | Credential  | Has Participated in DTG Program | Competencies Mapped | URL   |
|--|--|---------------|--------------|------------|--------------------|-------------|---------------------------------|---------------------|---|
| Computer Numerical Control Setup Technician      | Hennepin Technical College                 | Brooklyn Park | No           | 17 credits | 1 year             | Certificate | No                              | No                  | <a href="http://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Machine-Tool-Technology-">http://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Machine-Tool-Technology-</a>     |
| Computer-Aided Mechanical Design                 | St. Cloud Technical & Community College    | St. Cloud     | No           | 68 credits | 2 years            | Associates  | Yes                             | No                  | <a href="https://www.sctcc.edu/degrees-programs/computer-aided-mechanical-design/computer-aided-mechanical-design-aas-68-credits">https://www.sctcc.edu/degrees-programs/computer-aided-mechanical-design/computer-aided-mechanical-design-aas-68-credits</a>   |
| Computer-Aided Mechanical Design                 | St. Cloud Technical & Community College    | St. Cloud     | No           | 59 credits | 1-2 years          | Diploma     | Yes                             | No                  | <a href="https://www.sctcc.edu/degrees-programs/computer-aided-mechanical-design/computer-aided-mechanical-design-diploma-59">https://www.sctcc.edu/degrees-programs/computer-aided-mechanical-design/computer-aided-mechanical-design-diploma-59</a>   |
| Machine Technology Certificate 2                 | Anoka Technical College                    | Anoka         | No           | 16 credits | 2 semesters        | Certificate | No                              | No                  | <a href="http://www.anokatech.edu/~media/Files/New-Web-Site-Files/Programs-and-Courses/Guidesheets/21-22/MACH-CERT-">http://www.anokatech.edu/~media/Files/New-Web-Site-Files/Programs-and-Courses/Guidesheets/21-22/MACH-CERT-</a>   |
| Machine Technology Certificate 3                 | Anoka Technical College                    | Anoka         | No           | 16 credits | 2 semesters        | Certificate | No                              | No                  | <a href="http://www.anokatech.edu/en/ProgramsCourses/EngManufTech/MachineTrades/Machine-Technology">http://www.anokatech.edu/en/ProgramsCourses/EngManufTech/MachineTrades/Machine-Technology</a>   |
| Machine Technology CNC Programmer                | Lake Superior College                      | Duluth        | No           | 71 credits | 2 years            | Associates  | No                              | No                  | <a href="https://degrees.lsc.edu/wp-content/uploads/Machine-Technology-CNC-Programmer-AAS.pdf">https://degrees.lsc.edu/wp-content/uploads/Machine-Technology-CNC-Programmer-AAS.pdf</a>   |
| Machine Technology CNC Programmer                | Lake Superior College                      | Duluth        | No           | 64 credits | 2 years            | Diploma     | No                              | No                  | <a href="https://degrees.lsc.edu/wp-content/uploads/Machine-Technology-CNC-Programmer-Diploma.pdf">https://degrees.lsc.edu/wp-content/uploads/Machine-Technology-CNC-Programmer-Diploma.pdf</a>   |
| Machine Tool Technology                          | Alexandria Technical and Community College | Alexandria    | No           | 72 credits | 2 years            | Diploma     | No                              | No                  | <a href="https://www.alextech.edu/programs/machine-tool-technology/curriculum">https://www.alextech.edu/programs/machine-tool-technology/curriculum</a>   |
| Machine Tool Technology                          | Dunwoody College of Technology             | Minneapolis   | No           | 72 credits | 2 years            | Associates  | No                              | No                  | <a href="https://catalog.dunwoody.edu/catalog-student-handbook/academic-programs/robotics-manufacturing/machine-tool-technology-mach-aas/">https://catalog.dunwoody.edu/catalog-student-handbook/academic-programs/robotics-manufacturing/machine-tool-technology-mach-aas/</a>                                   |
| Machine Tool Technology                          | South Central College                      | North Mankato | No           | 66 credits | 4 semesters        | Diploma     | Yes                             | No                  | <a href="https://southcentral.edu/Award/dip3517.html">https://southcentral.edu/Award/dip3517.html</a>   |
| Machining Technician                             | Ridgewater College                         | Hutchinson    | Yes, Partial | 32 credits | 2 semesters        | Diploma     | Yes                             | No                  | <a href="https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2901">https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2901</a>   |
| Manufacturing Engineering Technology             | Hennepin Technical College                 | Brooklyn Park | No           | 60 credits | 2 years            | Associates  | No                              | No                  | <a href="http://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Manufacturing-Engineering-">http://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Manufacturing-Engineering-</a> |
| Mechanical CAD Operator                          | Anoka Technical College                    | Anoka         | No           | 25 credits | 2 semesters        | Certificate | No                              | No                  | <a href="http://www.anokatech.edu/~media/Files/New-Web-Site-Files/Programs-and-Courses/Guidesheets/21-22/MECH-">http://www.anokatech.edu/~media/Files/New-Web-Site-Files/Programs-and-Courses/Guidesheets/21-22/MECH-</a>   |
| Robotic Offline Programming Advanced Certificate | Central Lakes College                      | Brainerd      | No           | 9 credits  | Less than 1 year   | Certificate | No                              | No                  | <a href="http://www.clcmn.edu/robotic-offline-programming-advanced-certificate/">http://www.clcmn.edu/robotic-offline-programming-advanced-certificate/</a>   |
| Robotics & Automation Tech                       | St. Cloud Technical & Community College    | St. Cloud     | No           | 60 credits | 2 years            | Associates  | Yes                             | No                  | <a href="https://www.sctcc.edu/degrees-programs/energy-electronics/robotics-and-automation-technology-aas-60-credits">https://www.sctcc.edu/degrees-programs/energy-electronics/robotics-and-automation-technology-aas-60-credits</a>   |
| Solidworks                                       | Symmetry Solutions Inc.                    | Brooklyn Park | No           | Non credit | Less than 6 months | Certificate | Yes                             | No                  | <a href="https://hawkridgesys.com/solidworks">https://hawkridgesys.com/solidworks</a>   |
| Solidworks CAD                                   | Lake Superior College                      | Duluth        | No           | 18 credits | Less than a year   | Certificate | No                              | No                  | <a href="https://degrees.lsc.edu/wp-content/uploads/SolidWorks-CAD-Certificate.pdf">https://degrees.lsc.edu/wp-content/uploads/SolidWorks-CAD-Certificate.pdf</a>   |

**ADVANCED MANUFACTURING — Extrusion Molding Technician**

| Program   | Training Institution       | Location      | Online | Credit     | Duration | Credential  | Has Participated in DTG Program | Competencies Mapped | URL   |
|---|----------------------------|---------------|--------|------------|----------|-------------|---------------------------------|---------------------|---|
| Extrusion Molding Occupational Certificate      | Hennepin Technical College | Brooklyn Park | No     | 18 credits | 1 year   | Certificate | No                              | No                  | <a href="http://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Plastics-Engineering-">http://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Plastics-Engineering-</a> |
| Medical Device Molding Occupational Certificate | Hennepin Technical College | Brooklyn Park | No     | 17 credits | 1 year   | Certificate | No                              | No                  | <a href="http://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Plastics-Engineering-">http://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Plastics-Engineering-</a> |
| Plastics Engineering Technology                 | Hennepin Technical College | Brooklyn Park | No     | 36 credits | 1 year   | Diploma     | No                              | No                  | <a href="http://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Plastics-Engineering-">http://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Plastics-Engineering-</a> |

**ADVANCED MANUFACTURING — Flexo Technician**

| Program    | Training Institution  | Location | Online | Credit | Duration | Credential | Has Participated in DTG Program | Competencies Mapped | URL |
|------------|---|----------|--------|--------|----------|------------|---------------------------------|---------------------|-----|
| Flexo Tech | For Flexo Technician contact the Department at 651.284.5355 |          |        |        |          |            |                                 |                     |     |

**ADVANCED MANUFACTURING — Injection Molding Technician**

| Program   | Training Institution       | Location      | Online | Credit     | Duration | Credential  | Has Participated in DTG Program | Competencies Mapped | URL   |
|---|----------------------------|---------------|--------|------------|----------|-------------|---------------------------------|---------------------|---|
| Injection Molding Occupational Certificate      | Hennepin Technical College | Brooklyn Park | No     | 23 credits | 1 year   | Certificate | No                              | No                  | <a href="http://hennepintech.smartcatalogiq.com/en/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Plastics-Engineering-">http://hennepintech.smartcatalogiq.com/en/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Plastics-Engineering-</a> |
| Medical Device Molding Occupational Certificate | Hennepin Technical College | Brooklyn Park | No     | 17 credits | 1 year   | Certificate | No                              | No                  | <a href="http://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Plastics-Engineering-">http://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Plastics-Engineering-</a>       |
| Plastics Engineering Technology                 | Hennepin Technical College | Brooklyn Park | No     | 36 credits | 1 year   | Diploma     | No                              | No                  | <a href="http://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Plastics-Engineering-">http://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Plastics-Engineering-</a>       |
| Scientific Injection Molding Specialist         | Hennepin Technical College | Brooklyn Park | No     | 12 credits | 1 year   | Certificate | No                              | No                  | <a href="http://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Plastics-Engineering-">http://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Plastics-Engineering-</a>       |

**ADVANCED MANUFACTURING — Logistics Supply Chain Manager**

| Program                                | Training Institution                 | Location    | Online       | Credit      | Duration          | Credential           | Has Participated in DTG Program | Competencies Mapped | URL   |
|--|--------------------------------------|-------------|--------------|-------------|-------------------|----------------------|---------------------------------|---------------------|---|
| Global Supply Chain Management         | Metropolitan State University        | St. Paul    | No           | 12 credits  | 1 year            | Graduate Certificate | No                              | No                  | <a href="https://www.metrostate.edu/academics/programs/global-supply-chain-management">https://www.metrostate.edu/academics/programs/global-supply-chain-management</a>   |
| Global Supply Chain Management         | Minnesota State University Moorhead  | Moorhead    | Yes, partial | 120 credits | 4 years           | Bachelors            | No                              | No                  | <a href="https://navigator.mnstate.edu/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;catalogid=36&amp;chapterid=537&amp;to picgroupid=4858&amp;loaduseredits=True">https://navigator.mnstate.edu/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;catalogid=36&amp;chapterid=537&amp;to picgroupid=4858&amp;loaduseredits=True</a> |
| Operation and Supply Chain Management  | Saint Thomas                         | St. Paul    | No           | 120 credits | 4 years           | Bachelors            | No                              | No                  | <a href="https://business.stthomas.edu/faculty-research/departments/operations-supply-management1/index.html">https://business.stthomas.edu/faculty-research/departments/operations-supply-management1/index.html</a>   |
| Operations Management                  | Minnesota State University Moorhead  | Moorhead    | Yes, partial | 120 credits | 4 years           | Bachelors            | No                              | No                  | <a href="https://navigator.mnstate.edu/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;catalogid=36&amp;chapterid=537&amp;to picgroupid=4850&amp;loaduseredits=True">https://navigator.mnstate.edu/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;catalogid=36&amp;chapterid=537&amp;to picgroupid=4850&amp;loaduseredits=True</a> |
| Supply Chain and Logistics Management  | Rasmussen College                    | Varies      | Yes          | 90 credits  | 18 months minimum | Bachelors            | No                              | No                  | <a href="https://www.rasmussen.edu/degrees/business/supply-chain-and-logistics-management/bachelors/">https://www.rasmussen.edu/degrees/business/supply-chain-and-logistics-management/bachelors/</a>   |
| Supply Chain and Operations Management | Metropolitan State University        | St. Paul    | No           | 120 credits | 4 years           | Bachelors            | No                              | No                  | <a href="https://www.metrostate.edu/academics/programs/supply-chain-and-operations">https://www.metrostate.edu/academics/programs/supply-chain-and-operations</a>   |
| Supply Chain and Operations Management | University of Minnesota              | Minneapolis | No           | 120 credits | 4 years           | Bachelors            | No                              | No                  | <a href="https://onestop2.umn.edu/pcas/viewCatalogProgram.do?programID=3726&amp;strm=1193&amp;campus=UMNTC">https://onestop2.umn.edu/pcas/viewCatalogProgram.do?programID=3726&amp;strm=1193&amp;campus=UMNTC</a>   |
| Supply Chain Logistics                 | Saint Paul College                   | St. Paul    | Yes, partial | 60 credits  | 2 years           | Associates           | No                              | No                  | <a href="https://www.saintpaul.edu/programs/ProgramGuides/SupplyChainLogisticsAAS.pdf">https://www.saintpaul.edu/programs/ProgramGuides/SupplyChainLogisticsAAS.pdf</a>   |
| Supply Chain Logistics                 | Saint Paul College                   | St. Paul    | Yes, partial | 19 credits  | 1 year            | Certificate          | Yes                             | No                  | <a href="https://www.saintpaul.edu/programs/ProgramGuides/SupplyChainLogisticsCertificate.pdf">https://www.saintpaul.edu/programs/ProgramGuides/SupplyChainLogisticsCertificate.pdf</a>   |
| Supply Chain Management                | Southwest Minnesota State University | Marshall    | No           | 18 credits  | 1 year            | Certificate          | No                              | No                  | <a href="http://www.smsu.edu/catalog/index.html?program=176">http://www.smsu.edu/catalog/index.html?program=176</a>   |
| Supply Chain Management                | University of Minnesota              | Minneapolis | No           | 32 credits  | 1-2 years         | Masters              | No                              | No                  | <a href="https://carlsonschool.umn.edu/degrees/master-science-in-supply-chain-management/program-structure/curriculum">https://carlsonschool.umn.edu/degrees/master-science-in-supply-chain-management/program-structure/curriculum</a>   |



**ADVANCED MANUFACTURING — Machinist CNC Operator**

| Program  | Training Institution                        | Location      | Online       | Credit     | Duration         | Credential  | Has Participated in DTG Program | Competencies Mapped | URL   |
|--|---|---------------|--------------|------------|------------------|-------------|---------------------------------|---------------------|---|
| Advanced CNC Machine Technology                      | Anoka Technical College                     | Anoka         | No           | 64 credits | 1 year           | Diploma     | No                              | No                  | <a href="http://anokatech.edu/~media/files/new-web-site-files/Programs-and-Courses/Guidesheets/21-22/MACH-DIP.ashx?la=en&amp;hash=08154D57B7D818D455E75B5D45">http://anokatech.edu/~media/files/new-web-site-files/Programs-and-Courses/Guidesheets/21-22/MACH-DIP.ashx?la=en&amp;hash=08154D57B7D818D455E75B5D45</a>   |
| Advanced Computer Numerical Control Setup Technician | Hennepin Technical College                  | Brooklyn Park | No           | 17 credits | Less than 1 year | Certificate | No                              | No                  | <a href="http://hennepintech.smartcatalogiq.com/en/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Machine-Tool-Technology-">http://hennepintech.smartcatalogiq.com/en/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Machine-Tool-Technology-</a>   |
| Advanced Machine Production Technologist             | Lake Superior College                       | Duluth        | No           | 60 credits | 2 years          | Associates  | No                              | No                  | <a href="https://degrees.lsc.edu/advanced-machine-production-technologist/">https://degrees.lsc.edu/advanced-machine-production-technologist/</a>   |
| Advanced Manufacturing Technology                    | Pine Technical and Community College        | Pine City     | No           | 60 credits | 2 years          | Associates  | No                              | No                  | <a href="http://pine.edu/programs/advanced-manufacturing-technology-programs/advanced-manufacturing-technology/advanced-manufacturing-technology-">http://pine.edu/programs/advanced-manufacturing-technology-programs/advanced-manufacturing-technology/advanced-manufacturing-technology-</a>   |
| Advanced Manufacturing Technology                    | Pine Technical and Community College        | Pine City     | No           | 45 credits | 1-2 years        | Diploma     | No                              | No                  | <a href="http://pine.edu/programs/advanced-manufacturing-technology-programs/advanced-manufacturing-technology/advanced-manufacturing-technology-">http://pine.edu/programs/advanced-manufacturing-technology-programs/advanced-manufacturing-technology/advanced-manufacturing-technology-</a>   |
| Automated Machining                                  | Lake Superior College                       | Duluth        | No           | 16 credits | 1 semester       | Certificate | No                              | No                  | <a href="https://degrees.lsc.edu/cnc-machine/">https://degrees.lsc.edu/cnc-machine/</a>   |
| CNC and Advanced Machining                           | St. Cloud Technical & Community College     | St. Cloud     | No           | 60 credits | 2 years          | Associates  | Yes                             | No                  | <a href="https://www.sctcc.edu/degrees-programs/cnc-and-advanced-machining/cnc-and-advanced-machining-aas-60-credits">https://www.sctcc.edu/degrees-programs/cnc-and-advanced-machining/cnc-and-advanced-machining-aas-60-credits</a>   |
| CNC and Advanced Machining                           | St. Cloud Technical & Community College     | St. Cloud     | No           | 54 credits | 2 years          | Diploma     | Yes                             | No                  | <a href="https://www.sctcc.edu/degrees-programs/cnc-and-advanced-machining/cnc-and-advanced-machining-diploma-54-credits">https://www.sctcc.edu/degrees-programs/cnc-and-advanced-machining/cnc-and-advanced-machining-diploma-54-credits</a>   |
| CNC Certificate                                      | Ridgewater College                          | Hutchinson    | No           | 21 credits | 1-2 semesters    | Certificate | Yes                             | No                  | <a href="https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2900">https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2900</a>   |
| CNC Design & Manufacturing Technology                | Anoka Technical College                     | Anoka         | No           | 69 credits | 2 years          | Associates  | Yes                             | No                  | <a href="http://anokatech.edu/~media/files/new-web-site-files/Programs-and-Courses/Guidesheets/21-22/MACH-AAS.ashx?la=en&amp;hash=5A52EF88F21D57C74AF7BAF5D5">http://anokatech.edu/~media/files/new-web-site-files/Programs-and-Courses/Guidesheets/21-22/MACH-AAS.ashx?la=en&amp;hash=5A52EF88F21D57C74AF7BAF5D5</a>   |
| CNC Machining for Wood and Plastics                  | Hennepin Technical College                  | Brooklyn Park | No           | 13 credits | 1 semester       | Certificate | No                              | No                  | <a href="http://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Building-and-Landscape/Cabinetmaking-and-Wood-Product-">http://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Building-and-Landscape/Cabinetmaking-and-Wood-Product-</a>   |
| CNC Machinist  | Minneapolis Community and Technical College | Minneapolis   | No           | 60 credits | 2 years          | Associates  | No                              | No                  | <a href="https://mtcc.decisionacademic.com/Catalog/viewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=2310&amp;topicid=3036&amp;loadusercredits=True&amp;ga=2.46863527.183198487">https://mtcc.decisionacademic.com/Catalog/viewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=2310&amp;topicid=3036&amp;loadusercredits=True&amp;ga=2.46863527.183198487</a> |
| CNC Operator   | Hennepin Technical College                  | Brooklyn Park | Yes, Partial | 30 credits | 1 year           | Certificate | No                              | No                  | <a href="http://hennepintech.smartcatalogiq.com/en/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Machine-Tool-Technology-">http://hennepintech.smartcatalogiq.com/en/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Machine-Tool-Technology-</a>   |
| CNC Precision Manufacturing Technician               | Ridgewater College                          | Hutchinson    | No           | 64 credits | 1-2 years        | Diploma     | Yes                             | Partially           | <a href="https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2899">https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2899</a>   |
| CNC Precision Manufacturing Technician               | Ridgewater College                          | Hutchinson    | No           | 67 credits | 2 years          | Associates  | Yes                             | No                  | <a href="https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2898">https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2898</a>   |
| CNC Swiss Turning Center Technician                  | Hennepin Technical College                  | Brooklyn Park | No           | 9 credits  | 1 semester       | Certificate | No                              | No                  | <a href="http://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Machine-Tool-Technology-">http://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Machine-Tool-Technology-</a>   |
| CNC Technician                                       | Hennepin Technical College                  | Brooklyn Park | No           | 64 credits | 2 years          | Diploma     | Yes                             | No                  | <a href="http://hennepintech.smartcatalogiq.com/en/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Machine-Tool-Technology-">http://hennepintech.smartcatalogiq.com/en/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Machine-Tool-Technology-</a>   |

**ADVANCED MANUFACTURING — Machinist CNC Operator**

| Program                              | Training Institution                       | Location                | Online | Credit     | Duration         | Credential  | Has Participated in DTG Program | Competencies Mapped | URL   |
|--------------------------------------|--|-------------------------|--------|------------|------------------|-------------|---------------------------------|---------------------|---|
| CNC Technician                       | Hennepin Technical College                 | Brooklyn Park           | No     | 72 credits | 2 years          | Associates  | No                              | No                  | <a href="http://hennepintechnical.smartcatalogiq.com/en/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Machine-Tool-Technology-">http://hennepintechnical.smartcatalogiq.com/en/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Machine-Tool-Technology-</a> |
| CNC Technologies                     | Central Lakes College                      | Staples                 | No     | 64 credits | 2 years          | Associates  | No                              | No                  | <a href="http://www.clcmn.edu/cnc-technologies-a-a-s-degree/">http://www.clcmn.edu/cnc-technologies-a-a-s-degree/</a>   |
| CNC Technologies                     | Central Lakes College                      | Staples                 | No     | 48 credits | 2 years          | Diploma     | No                              | No                  | <a href="http://www.clcmn.edu/cnc-technologies/">http://www.clcmn.edu/cnc-technologies/</a>   |
| CNC Toolmaking                       | St. Paul College                           | St. Paul                | No     | 63 credits | 1 1/2 to 2 years | Diploma     | No                              | No                  | <a href="https://www.saintpaul.edu/programs/ProgramGuides/CNCToolmakingDiploma.pdf">https://www.saintpaul.edu/programs/ProgramGuides/CNCToolmakingDiploma.pdf</a>   |
| Engineering and CNC Certificate      | Southeast Technical MN State College       | Red Wing/Winona         | No     | 11 credits | 1 semester       | Certificate | No                              | No                  | <a href="http://www.southeastmn.edu/academic_programs/Major.aspx?MajorID=738">http://www.southeastmn.edu/academic_programs/Major.aspx?MajorID=738</a>   |
| Machine Operations                   | Central Lakes College                      | Staples                 | No     | 32 credits | 1 year           | Diploma     | No                              | No                  | <a href="http://www.clcmn.edu/machine-operations-diploma/">http://www.clcmn.edu/machine-operations-diploma/</a>   |
| Machine Operator                     | St. Paul College                           | St. Paul                | No     | 20 credits | 1 year           | Certificate | No                              | No                  | <a href="https://www.saintpaul.edu/programs/ProgramGuides/MachineOperatorCertificate-RightSkillsNow.pdf">https://www.saintpaul.edu/programs/ProgramGuides/MachineOperatorCertificate-RightSkillsNow.pdf</a>   |
| Machine Production Technologist      | Lake Superior College                      | Duluth                  | No     | 34 credits | 1 year           | Diploma     | No                              | No                  | <a href="https://degrees.lsc.edu/machine-production-technologist/">https://degrees.lsc.edu/machine-production-technologist/</a>   |
| Machine Technology                   | Central Lakes College                      | Staples                 | No     | 30 credits | 1 year           | Certificate | No                              | No                  | <a href="http://www.clcmn.edu/machine-technology-certificate-2/">http://www.clcmn.edu/machine-technology-certificate-2/</a>   |
| Machine Technology Certificate 1     | Anoka Technical College                    | Anoka                   | No     | 16 credits | 1 year           | Certificate | Yes                             | No                  | <a href="http://www.anokatech.edu/-/media/Files/New-Web-Site-Files/Programs-and-Courses/Guidesheets/21-22/MACH-CERT-">http://www.anokatech.edu/-/media/Files/New-Web-Site-Files/Programs-and-Courses/Guidesheets/21-22/MACH-CERT-</a>   |
| Machine Technology Certificate 2     | Anoka Technical College                    | Anoka                   | No     | 16 credits | 1 year           | Certificate | Yes                             | No                  | <a href="http://www.anokatech.edu/-/media/Files/New-Web-Site-Files/Programs-and-Courses/Guidesheets/21-22/MACH-CERT-">http://www.anokatech.edu/-/media/Files/New-Web-Site-Files/Programs-and-Courses/Guidesheets/21-22/MACH-CERT-</a>   |
| Machine Technology Certificate 3     | Anoka Technical College                    | Anoka                   | No     | 16 credits | 1 year           | Certificate | Yes                             | No                  | <a href="http://www.anokatech.edu/en/ProgramsCourses/EngManufTech/MachineTrades/Machine-Technology">http://www.anokatech.edu/en/ProgramsCourses/EngManufTech/MachineTrades/Machine-Technology</a>   |
| Machine Tool Technology              | Alexandria Technical and Community College | Alexandria              | No     | 72 credits | 2 years          | Diploma     | Yes                             | Yes                 | <a href="https://www.alextech.edu/programs/machine-tool-technology/curriculum">https://www.alextech.edu/programs/machine-tool-technology/curriculum</a>   |
| Machine Tool Technology              | Dunwoody College of Technology             | Minneapolis             | No     | 72 credits | 2 years          | Associates  | No                              | No                  | <a href="https://catalog.dunwoody.edu/catalog-student-handbook/academic-programs/robotics-manufacturing/machine-tool-technology-mach-aas/">https://catalog.dunwoody.edu/catalog-student-handbook/academic-programs/robotics-manufacturing/machine-tool-technology-mach-aas/</a>   |
| Machine Tool Technology              | South Central College                      | North Mankato           | No     | 66 credits | 2 years          | Diploma     | Yes                             | Yes                 | <a href="https://southcentral.edu/Award/dip3517.html">https://southcentral.edu/Award/dip3517.html</a>   |
| Machine Tool Technology - Foundation | South Central College                      | Faribault/North Mankato | No     | 32 credits | 1 year           | Diploma     | Yes                             | Yes                 | <a href="https://southcentral.edu/Award/dip3519-2454.html">https://southcentral.edu/Award/dip3519-2454.html</a>   |
| Machining                            | Riverland Community College                | Albert Lea              | No     | 32 credits | 1 year           | Diploma     | No                              | No                  | <a href="https://www.riverland.edu/academics/programs/machining-dip/machining/">https://www.riverland.edu/academics/programs/machining-dip/machining/</a>   |

**ADVANCED MANUFACTURING — Machinist CNC Operator**

| Program                                      | Training Institution                    | Location                | Online | Credit     | Duration   | Credential  | Has Participated in DTG Program | Competencies Mapped | URL   |
|--|---|-------------------------|--------|------------|------------|-------------|---------------------------------|---------------------|---|
| Machining Technician                         | Ridgewater College                      | Hutchinson              | No     | 32 credits | 1 year     | Diploma     | Yes                             | No                  | <a href="https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2901">https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2901</a>   |
| Manufacturing Production Technology          | South Central College                   | Faribault/North Mankato | No     | 16 credits | 1 semester | Certificate | Yes                             | Yes                 | <a href="https://southcentral.edu/Award/cert3286-2259.html">https://southcentral.edu/Award/cert3286-2259.html</a>   |
| Mazak CNC Technician                         | Hennepin Technical College              | Brooklyn Park           | No     | 20 credits | 1 year     | Certificate | No                              | No                  | <a href="http://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Machine-Tool-Technology-">http://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Machine-Tool-Technology-</a> |
| Mechanical Design & Manufacturing Technology | St. Cloud Technical & Community College | St. Cloud               | No     | 18 credits | 1 semester | Certificate | Yes                             | No                  | <a href="https://www.sctcc.edu/degrees-programs/computer-aided-design-manufacturing/mechanical-design-manufacturing-tech-18-credits">https://www.sctcc.edu/degrees-programs/computer-aided-design-manufacturing/mechanical-design-manufacturing-tech-18-credits</a>   |
| MTT Right Skills Now                         | South Central College                   | Faribault/North Mankato | No     | 17 credits | 1 semester | Certificate | Yes                             | No                  | <a href="https://southcentral.edu/Award/cert3518-2449.html">https://southcentral.edu/Award/cert3518-2449.html</a>   |
| NIMS CNC Operator Fanuc                      | The Idea Circle                         | Bemidji                 | No     | Non-credit | 1 year     | Certificate | No                              | No                  | <a href="https://www.theideacircle.com/course-category/nims-cnc-operator-training-fanuc/">https://www.theideacircle.com/course-category/nims-cnc-operator-training-fanuc/</a>   |
| NIMS CNC Operator Haas                       | The Idea Circle                         | Bemidji                 | No     | Non-credit | 1 year     | Certificate | No                              | No                  | <a href="https://www.theideacircle.com/course-category/nims-cnc-operator-training-haas/">https://www.theideacircle.com/course-category/nims-cnc-operator-training-haas/</a>   |
| Precision Machining                          | Pine Technical and Community College    | Pine City               | No     | 28 credits | 1 year     | Certificate | Yes                             | No                  | <a href="http://pine.edu/programs/advanced-manufacturing-technology-programs/advanced-manufacturing-technology/advanced-manufacturing-technology-">http://pine.edu/programs/advanced-manufacturing-technology-programs/advanced-manufacturing-technology/advanced-manufacturing-technology-</a>               |
| Production Technology                        | Northland Community & Technical College | Thief River Falls       | Yes    | 16 credits | 1 semester | Certificate | No                              | No                  | <a href="http://www.northlandcollege.edu/programs/manufacturing_online/program_detail.php?program_code=CO13">http://www.northlandcollege.edu/programs/manufacturing_online/program_detail.php?program_code=CO13</a>   |
| Right Skills Now for Manufacturing           | Dunwoody College of Technology          | Minneapolis             | No     | 19 credits | 1 year     | Certificate | No                              | No                  | <a href="https://catalog.dunwoody.edu/catalog-student-handbook/academic-programs/robotics-manufacturing/right-skills-now-manufacturing-cnc-rsnm-">https://catalog.dunwoody.edu/catalog-student-handbook/academic-programs/robotics-manufacturing/right-skills-now-manufacturing-cnc-rsnm-</a>                 |

**ADVANCED MANUFACTURING — Machinist Tool and Die Maker**

| Program                                  | Training Institution                        | Location        | Online | Credit     | Duration         | Credential  | Has Participated in DTG Program | Competencies Mapped | URL   |
|--|---|-----------------|--------|------------|------------------|-------------|---------------------------------|---------------------|---|
| Advanced CNC Machine Technology          | Anoka Technical College                     | Anoka           | No     | 64 credits | 2 years          | Diploma     | No                              | No                  | <a href="http://anokatech.edu/~media/Files/New-Web-Site-Files/Programs-and-Courses/Guidesheets/21-22/MACH-DIP.ashx?la=en&amp;hash=08154D57B7D818D45E75B5D45">http://anokatech.edu/~media/Files/New-Web-Site-Files/Programs-and-Courses/Guidesheets/21-22/MACH-DIP.ashx?la=en&amp;hash=08154D57B7D818D45E75B5D45</a>   |
| Advanced Machine Production Technologist | Lake Superior College                       | Duluth          | No     | 60 credits | 2 years          | Associates  | No                              | No                  | <a href="https://degrees.lsc.edu/advanced-machine-production-technologist/">https://degrees.lsc.edu/advanced-machine-production-technologist/</a>   |
| Advanced Manufacturing Technology        | Pine Technical and Community College        | Pine City       | No     | 60 credits | 2 years          | Associates  | No                              | No                  | <a href="http://pine.edu/programs/advanced-manufacturing-technology-programs/advanced-manufacturing-technology/advanced-manufacturing-technology-">http://pine.edu/programs/advanced-manufacturing-technology-programs/advanced-manufacturing-technology/advanced-manufacturing-technology-</a>   |
| Advanced Manufacturing Technology        | Pine Technical and Community College        | Pine City       | No     | 45 credits | 1-2 years        | Diploma     | No                              | No                  | <a href="http://pine.edu/programs/advanced-manufacturing-technology-programs/advanced-manufacturing-technology/advanced-manufacturing-technology-">http://pine.edu/programs/advanced-manufacturing-technology-programs/advanced-manufacturing-technology/advanced-manufacturing-technology-</a>   |
| Automated Machining                      | Lake Superior College                       | Duluth          | No     | 16 credits | Less than 1 year | Certificate | No                              | No                  | <a href="https://degrees.lsc.edu/cnc-machine/">https://degrees.lsc.edu/cnc-machine/</a>   |
| CNC and Advanced Machining               | St. Cloud Technical & Community College     | St. Cloud       | No     | 60 credits | 2 years          | Associates  | Yes                             | No                  | <a href="https://www.sctcc.edu/degrees-programs/cnc-and-advanced-machining/cnc-and-advanced-machining-aas-60-credits">https://www.sctcc.edu/degrees-programs/cnc-and-advanced-machining/cnc-and-advanced-machining-aas-60-credits</a>   |
| CNC and Advanced Machining               | St. Cloud Technical & Community College     | St. Cloud       | No     | 54 credits | 2 years          | Diploma     | Yes                             | No                  | <a href="https://www.sctcc.edu/degrees-programs/cnc-and-advanced-machining/cnc-and-advanced-machining-diploma-54-credits">https://www.sctcc.edu/degrees-programs/cnc-and-advanced-machining/cnc-and-advanced-machining-diploma-54-credits</a>   |
| CNC Design & Manufacturing Technology    | Anoka Technical College                     | Anoka           | No     | 69 credits | 2 years          | Associates  | No                              | No                  | <a href="http://anokatech.edu/~media/Files/New-Web-Site-Files/Programs-and-Courses/Guidesheets/21-22/MACH-AAS.ashx?la=en&amp;hash=5A52EF88F21D57C74AF7BAF5D5">http://anokatech.edu/~media/Files/New-Web-Site-Files/Programs-and-Courses/Guidesheets/21-22/MACH-AAS.ashx?la=en&amp;hash=5A52EF88F21D57C74AF7BAF5D5</a>   |
| CNC Machine Tool                         | Southeast Technical MN State College        | Red Wing/Winona | No     | 59 credits | 2 years          | Diploma     | No                              | No                  | <a href="https://www.southeastmn.edu/academics/MajorDetail.aspx?i=618">https://www.southeastmn.edu/academics/MajorDetail.aspx?i=618</a>   |
| CNC Machinist                            | Minneapolis Community and Technical College | Minneapolis     | No     | 60 credits | 2 years          | Associates  | No                              | No                  | <a href="https://mctc.decisionacademic.com/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=2310&amp;topicid=3036&amp;loaduserredits=True&amp; ga=2.257104395.18319848">https://mctc.decisionacademic.com/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=2310&amp;topicid=3036&amp;loaduserredits=True&amp; ga=2.257104395.18319848</a> |
| CNC Operator                             | Hennepin Technical College                  | Brooklyn Park   | No     | 30 credits | 1 year           | Certificate | No                              | No                  | <a href="http://hennepintechn.smartcatalogiq.com/en/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Machine-Tool-Technology-">http://hennepintechn.smartcatalogiq.com/en/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Machine-Tool-Technology-</a>   |
| CNC Precision Manufacturing Technician   | Ridgewater College                          | Hutchinson      | No     | 64 credits | 1-2 years        | Diploma     | Yes                             | Partially           | <a href="https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2899">https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2899</a>   |
| CNC Precision Manufacturing Technician   | Ridgewater College                          | Hutchinson      | No     | 67 credits | 2 years          | Associates  | Yes                             | No                  | <a href="https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2898">https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2898</a>   |
| CNC Technician                           | Hennepin Technical College                  | Brooklyn Park   | No     | 64 credits | 2 years          | Diploma     | No                              | No                  | <a href="http://hennepintechn.smartcatalogiq.com/en/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Machine-Tool-Technology-">http://hennepintechn.smartcatalogiq.com/en/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Machine-Tool-Technology-</a>   |
| CNC Technician                           | Hennepin Technical College                  | Brooklyn Park   | No     | 72 credits | 2 years          | Associates  | No                              | No                  | <a href="http://hennepintechn.smartcatalogiq.com/en/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Machine-Tool-Technology-">http://hennepintechn.smartcatalogiq.com/en/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Machine-Tool-Technology-</a>   |
| CNC Technologies                         | Central Lakes College                       | Staples         | No     | 64 credits | 2 years          | Associates  | No                              | No                  | <a href="http://www.clcmn.edu/cnc-technologies-a-a-s-degree/">http://www.clcmn.edu/cnc-technologies-a-a-s-degree/</a>   |
| CNC Technologies                         | Central Lakes College                       | Staples         | No     | 48 credits | 2 years          | Diploma     | No                              | No                  | <a href="http://www.clcmn.edu/cnc-technologies/">http://www.clcmn.edu/cnc-technologies/</a>   |

ADVANCED MANUFACTURING — Machinist Tool and Die Maker

| Program                              | Training Institution                       | Location                | Online | Credit     | Duration    | Credential  | Has Participated in DTG Program | Competencies Mapped | URL   |
|--------------------------------------|--|-------------------------|--------|------------|-------------|-------------|---------------------------------|---------------------|---|
| CNC Toolmaking                       | St. Paul College                           | St. Paul                | No     | 63 credits | 2 years     | Diploma     | No                              | No                  | <a href="https://www.saintpaul.edu/programs/ProgramGuides/CNCToolmakingDiploma.pdf">https://www.saintpaul.edu/programs/ProgramGuides/CNCToolmakingDiploma.pdf</a>   |
| Machine Operations                   | Central Lakes College                      | Staples                 | No     | 32 credits | 1 year      | Diploma     | No                              | No                  | <a href="http://www.clcmn.edu/machine-operations-diploma/">http://www.clcmn.edu/machine-operations-diploma/</a>   |
| Machine Operator                     | St. Paul College                           | St. Paul                | No     | 20 credits | 2 semesters | Certificate | No                              | No                  | <a href="https://www.saintpaul.edu/programs/ProgramGuides/MachineOperatorCertificate-RightSkillsNow.pdf">https://www.saintpaul.edu/programs/ProgramGuides/MachineOperatorCertificate-RightSkillsNow.pdf</a>   |
| Machine Production Technologist      | Lake Superior College                      | Duluth                  | No     | 34 credits | 1 year      | Diploma     | No                              | No                  | <a href="https://degrees.lsc.edu/machine-production-technologist/">https://degrees.lsc.edu/machine-production-technologist/</a>   |
| Machine Technology                   | Central Lakes College                      | Staples                 | No     | 30 credits | 1 year      | Certificate | No                              | No                  | <a href="http://www.clcmn.edu/machine-technology-certificate-2/">http://www.clcmn.edu/machine-technology-certificate-2/</a>   |
| Machine Technology Certificate 1     | Anoka Technical College                    | Anoka                   | No     | 16 credits | 1 year      | Certificate | No                              | No                  | <a href="http://www.anokatech.edu/-/media/Files/New-Web-Site-Files/Programs-and-Courses/Guidesheets/21-22/MACH-CERT-">http://www.anokatech.edu/-/media/Files/New-Web-Site-Files/Programs-and-Courses/Guidesheets/21-22/MACH-CERT-</a>   |
| Machine Technology Certificate 2     | Anoka Technical College                    | Anoka                   | No     | 16 credits | 1 year      | Certificate | No                              | No                  | <a href="http://www.anokatech.edu/-/media/Files/New-Web-Site-Files/Programs-and-Courses/Guidesheets/21-22/MACH-CERT-">http://www.anokatech.edu/-/media/Files/New-Web-Site-Files/Programs-and-Courses/Guidesheets/21-22/MACH-CERT-</a>   |
| Machine Technology Certificate 3     | Anoka Technical College                    | Anoka                   | No     | 16 credits | 1 year      | Certificate | No                              | No                  | <a href="http://www.anokatech.edu/en/ProgramsCourses/EngManufTech/MachineTrades/Machine-Technology">http://www.anokatech.edu/en/ProgramsCourses/EngManufTech/MachineTrades/Machine-Technology</a>   |
| Machine Tool Technology              | Alexandria Technical and Community College | Alexandria              | No     | 72 credits | 2 years     | Diploma     | Yes                             | Yes                 | <a href="https://www.alextech.edu/programs/machine-tool-technology/curriculum">https://www.alextech.edu/programs/machine-tool-technology/curriculum</a>   |
| Machine Tool Technology              | Dunwoody College of Technology             | Minneapolis             | No     | 72 credits | 2 years     | Associates  | No                              | No                  | <a href="https://catalog.dunwoody.edu/catalog-student-handbook/academic-programs/robotics-manufacturing/machine-tool-technology-mach-aas/">https://catalog.dunwoody.edu/catalog-student-handbook/academic-programs/robotics-manufacturing/machine-tool-technology-mach-aas/</a> |
| Machine Tool Technology              | South Central College                      | North Mankato           | No     | 66 credits | 2 years     | Diploma     | Yes                             | Yes                 | <a href="https://southcentral.edu/Award/dip3517.html">https://southcentral.edu/Award/dip3517.html</a>   |
| Machine Tool Technology - Foundation | South Central College                      | Faribault/North Mankato | No     | 32 credits | 1 year      | Diploma     | Yes                             | Yes                 | <a href="https://southcentral.edu/Award/dip3519-2454.html">https://southcentral.edu/Award/dip3519-2454.html</a>   |
| Machining                            | Riverland Community College                | Albert Lea              | No     | 32 credits | 1 year      | Diploma     | No                              | No                  | <a href="https://www.riverland.edu/academics/programs/machining-dip/machining/">https://www.riverland.edu/academics/programs/machining-dip/machining/</a>   |
| Machining Basics                     | Southeast Technical MN State College       | Red Wing/Winona         | No     | 13 credits | 1 semesters | Certificate | No                              | No                  | <a href="http://www.southeastmn.edu/academic_programs/Major.aspx?MajorID=619">http://www.southeastmn.edu/academic_programs/Major.aspx?MajorID=619</a>   |
| Machining Right Skills Now           | Southeast Technical MN State College       | Red Wing/Winona         | No     | 17 credits | 1 semester  | Certificate | No                              | No                  | <a href="http://www.southeastmn.edu/academic_programs/Major.aspx?MajorID=733">http://www.southeastmn.edu/academic_programs/Major.aspx?MajorID=733</a>   |
| Machining Technician                 | Ridgewater College                         | Hutchinson              | No     | 32 credits | 1 year      | Diploma     | Yes                             | No                  | <a href="https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2901">https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2901</a>   |
| Manual Machinist Certificate         | Lake Superior College                      | Duluth                  | No     | 30 credits | 1 year      | Certificate | No                              | No                  | <a href="https://degrees.lsc.edu/machinist/">https://degrees.lsc.edu/machinist/</a>   |

**ADVANCED MANUFACTURING — Machinist Tool and Die Maker**

| Program                                      | Training Institution                    | Location                | Online | Credit     | Duration   | Credential  | Has Participated in DTG Program | Competencies Mapped | URL   |
|--|---|-------------------------|--------|------------|------------|-------------|---------------------------------|---------------------|---|
| Manufacturing Production Technology          | South Central College                   | Faribault/North Mankato | No     | 16 credits | 1 semester | Certificate | Yes                             | Yes                 | <a href="https://southcentral.edu/Award/cert3286-2259.html">https://southcentral.edu/Award/cert3286-2259.html</a>   |
| Mechanical Design & Manufacturing Technology | St. Cloud Technical & Community College | St. Cloud               | No     | 18 credits | 1 semester | Certificate | Yes                             | No                  | <a href="https://www.sctcc.edu/degrees-programs/computer-aided-design-manufacturing/mechanical-design-manufacturing-tech-18-credits">https://www.sctcc.edu/degrees-programs/computer-aided-design-manufacturing/mechanical-design-manufacturing-tech-18-credits</a>   |
| MTT Right Skills Now                         | South Central College                   | Faribault/North Mankato | No     | 17 credits | 1 semester | Certificate | Yes                             | No                  | <a href="https://southcentral.edu/Award/cert3518-2449.html">https://southcentral.edu/Award/cert3518-2449.html</a>   |
| Precision Machining                          | Pine Technical and Community College    | Pine City               | No     | 28 credits | 1 year     | Certificate | No                              | No                  | <a href="http://pine.edu/programs/advanced-manufacturing-technology-programs/advanced-manufacturing-technology/advanced-manufacturing-technology-">http://pine.edu/programs/advanced-manufacturing-technology-programs/advanced-manufacturing-technology/advanced-manufacturing-technology-</a>                       |
| Precision Machining                          | Southeast Technical MN State College    | Red Wing/Winona         | No     | 32 credits | 1 year     | Diploma     | No                              | No                  | <a href="http://www.southeastmn.edu/academic_programs/Major.aspx?MajorID=569">http://www.southeastmn.edu/academic_programs/Major.aspx?MajorID=569</a>   |
| Production Technology                        | Northland Community& Technical College  | Thief River Falls       | Yes    | 16 credits | 1 semester | Certificate | No                              | No                  | <a href="http://www.northlandcollege.edu/programs/manufacturing_online/program_detail.php?program_code=CO13">http://www.northlandcollege.edu/programs/manufacturing_online/program_detail.php?program_code=CO13</a>   |
| Right Skills Now for Manufacturing           | Dunwoody College of Technology          | Minneapolis             | No     | 19 credits | 1 year     | Certificate | No                              | No                  | <a href="https://catalog.dunwoody.edu/catalog-student-handbook/academic-programs/robotics-manufacturing/right-skills-now-manufacturing-cnc-rsnm-">https://catalog.dunwoody.edu/catalog-student-handbook/academic-programs/robotics-manufacturing/right-skills-now-manufacturing-cnc-rsnm-</a>                         |
| Tool and Die/Mold making                     | Hennepin Technical College              | Brooklyn Park           | No     | 72 credits | 2 years    | Associates  | No                              | No                  | <a href="http://hennepintechn.smartcatalogiq.com/en/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Machine-Tool-Technology-">http://hennepintechn.smartcatalogiq.com/en/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Machine-Tool-Technology-</a> |
| Tool and Die/Moldmaking                      | Hennepin Technical College              | Brooklyn Park           | No     | 64 credits | 2 years    | Diploma     | No                              | No                  | <a href="http://hennepintechn.smartcatalogiq.com/en/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Machine-Tool-Technology-">http://hennepintechn.smartcatalogiq.com/en/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Machine-Tool-Technology-</a> |

**ADVANCED MANUFACTURING — Maintenance Repair Worker**

| Program   | Training Institution       | Location                   | Online | Credit     | Duration   | Credential  | Has Participated in DTG Program | Competencies Mapped | URL   |
|---|----------------------------|----------------------------|--------|------------|------------|-------------|---------------------------------|---------------------|---|
| Advanced Machine Production Technologist        | Lake Superior College      | Duluth                     | No     | 60 credits | 2 years    | Associates  | No                              | No                  | <a href="https://degrees.lsc.edu/advanced-machine-production-technologist/">https://degrees.lsc.edu/advanced-machine-production-technologist/</a>   |
| Automated Machinery Systems                     | Hennepin Technical College | Eden Prairie               | No     | 60 credits | 2 years    | Diploma     | Yes                             | No                  | <a href="https://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Automation-Robotics-">https://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Automation-Robotics-</a>         |
| Automated Systems Technology                    | Pine Technical College     | Pine City                  | No     | 33 credits | 1 year     | Diploma     | No                              | No                  | <a href="https://www.pine.edu/programs/advanced-manufacturing-technology-programs/automated-systems-technology-industrial/automated-systems-">https://www.pine.edu/programs/advanced-manufacturing-technology-programs/automated-systems-technology-industrial/automated-systems-</a>                           |
| Automation Robotics Engineering Technology      | Hennepin Technical College | Eden Prairie               | No     | 60 credits | 2 years    | Associates  | Yes                             | Pending             | <a href="https://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Automation-Robotics-">https://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Automation-Robotics-</a>         |
| Automation Technologies                         | Hennepin Technical College | Eden Prairie/Brooklyn Park | No     | 30 credits | 1 year     | Certificate | Yes                             | No                  | <a href="https://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Automation-Robotics-">https://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Automation-Robotics-</a>         |
| CNC Service Technician                          | Anoka Technical College    | Anoka                      | No     | 64 credits | 2 years    | Diploma     | No                              | No                  | <a href="http://www.anokatech.edu/-/media/Files/New-Web-Site-Files/Programs-and-Courses/Guidesheets/21-22/MAIN.ashx?la=en&amp;hash=01D867B69D0068759195EB">http://www.anokatech.edu/-/media/Files/New-Web-Site-Files/Programs-and-Courses/Guidesheets/21-22/MAIN.ashx?la=en&amp;hash=01D867B69D0068759195EB</a> |
| Electrical Controls & Maintenance               | Mesabi Range College       | Eveleth                    | No     | 67 credits | 2 years    | Diploma     | No                              | No                  | <a href="http://www.mesabirange.edu/programs/ecm">http://www.mesabirange.edu/programs/ecm</a>   |
| Electrical Controls & Maintenance               | Mesabi Range College       | Eveleth                    | No     | 72 credits | 2 years    | Associates  | No                              | No                  | <a href="http://www.mesabirange.edu/programs/ecm">http://www.mesabirange.edu/programs/ecm</a>   |
| Electronics Technology                          | Hennepin Technical College | Brooklyn Park              | No     | 72 credits | 2 years    | Associates  | Yes                             | Pending             | <a href="https://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Electronics-">https://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Electronics-</a>                         |
| Electronics Technology                          | Hennepin Technical College | Brooklyn Park              | No     | 64 credits | 1-2 years  | Diploma     | Yes                             | Pending             | <a href="https://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Electronics-">https://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Electronics-</a>                         |
| Fluid Power Engineering Technician              | Hennepin Technical College | Eden Prairie/Brooklyn Park | No     | 72 credits | 2 years    | Associates  | Yes                             | No                  | <a href="https://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Fluid-Power-Engineering-">https://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Fluid-Power-Engineering-</a> |
| Fluid Power Engineering Technician              | Hennepin Technical College | Eden Prairie/Brooklyn Park | No     | 66 credits | 2 years    | Diploma     | Yes                             | No                  | <a href="https://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Fluid-Power-Engineering-">https://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Fluid-Power-Engineering-</a> |
| Fluid Power Mechanic                            | Hennepin Technical College | Eden Prairie/Brooklyn Park | No     | 34 credits | 1 year     | Diploma     | Yes                             | No                  | <a href="https://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Fluid-Power-Engineering-">https://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Fluid-Power-Engineering-</a> |
| Hydraulic Engineering Technician                | Hennepin Technical College | Eden Prairie/Brooklyn Park | No     | 60 credits | 2 years    | Associates  | Yes                             | No                  | <a href="https://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Fluid-Power-Engineering-">https://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Fluid-Power-Engineering-</a> |
| Hydraulic Engineering Technician                | Hennepin Technical College | Eden Prairie/Brooklyn Park | No     | 64 credits | 2 years    | Diploma     | Yes                             | No                  | <a href="https://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Fluid-Power-Engineering-">https://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Fluid-Power-Engineering-</a> |
| Industrial Building Engineering and Maintenance | Hennepin Technical College | Brooklyn Park              | No     | 44 credits | 1 year     | Diploma     | Yes                             | No                  | <a href="https://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Industrial-Building-">https://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Industrial-Building-</a>         |
| Industrial Maintenance Mechanic                 | Hennepin Technical College | Eden Prairie/Brooklyn Park | No     | 18 credits | 1 semester | Certificate | Yes                             | No                  | <a href="https://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Fluid-Power-Engineering-">https://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Fluid-Power-Engineering-</a> |

**ADVANCED MANUFACTURING — Maintenance Repair Worker**

| Program                                   | Training Institution        | Location                   | Online | Credit     | Duration         | Credential  | Has Participated in DTG Program | Competencies Mapped | URL   |
|---|-----------------------------|----------------------------|--------|------------|------------------|-------------|---------------------------------|---------------------|---|
| Industrial Mechanical Technology          | Mesabi Range College        | Eveleth                    | No     | 60 credits | 2 years          | Diploma     | No                              | No                  | <a href="https://www.mesabirange.edu/assets/sites/mesabi/uploads/files/IMT_2_year_Diploma_Fall_2020.pdf">https://www.mesabirange.edu/assets/sites/mesabi/uploads/files/IMT_2_year_Diploma_Fall_2020.pdf</a>   |
| Industrial Mechanical Technology          | Mesabi Range College        | Eveleth                    | No     | 60 credits | 2 years          | Associates  | No                              | No                  | <a href="https://www.mesabirange.edu/assets/sites/mesabi/uploads/files/IMT_2_year_AAS_Fall_2020.pdf">https://www.mesabirange.edu/assets/sites/mesabi/uploads/files/IMT_2_year_AAS_Fall_2020.pdf</a>   |
| Industrial Technician                     | Pine Technical College      | Pine City                  | No     | 60 credits | 2 years          | Associates  | Yes                             | No                  | <a href="https://www.pine.edu/programs/advanced-manufacturing-technology-programs/automated-systems-technology-industrial/automated-systems-technology/">https://www.pine.edu/programs/advanced-manufacturing-technology-programs/automated-systems-technology-industrial/automated-systems-technology/</a>                               |
| Machine Production Technologist           | Lake Superior College       | Duluth                     | No     | 34 credits | 2 semesters      | Diploma     | No                              | No                  | <a href="https://degrees.lsc.edu/machine-production-technologist/">https://degrees.lsc.edu/machine-production-technologist/</a>   |
| Maintenance Worker                        | The Idea Circle             | Bemidji                    | No     | Non credit | 1 Year           | Certificate | Yes                             | Yes                 | <a href="https://www.theideacircle.com/what-we-do/training/">https://www.theideacircle.com/what-we-do/training/</a>   |
| Manufacturing Maintenance Tech            | Central Lakes College       | Brainerd                   | No     | 64 credits | 2 years          | Diploma     | No                              | No                  | <a href="http://www.clcmn.edu/manufacturing-maintenance-technician-diploma-2/">http://www.clcmn.edu/manufacturing-maintenance-technician-diploma-2/</a>   |
| Manufacturing Production Technology       | South Central College       | Faribault / North Mankato  | No     | 16 credits | 1 semester       | Certificate | No                              | No                  | <a href="https://southcentral.edu/Award/cert3286-2259.html">https://southcentral.edu/Award/cert3286-2259.html</a>   |
| Manufacturing Skills Standard             | Riverland Community College | Albert Lea                 | No     | 9 credits  | 1 semester       | Certificate | No                              | No                  | <a href="https://www.riverland.edu/academics/programs/manufacturing-skills-standard-cert/http-www-riverland-edu-academics-programs-manufacturing-skills-standard-cert-">https://www.riverland.edu/academics/programs/manufacturing-skills-standard-cert/http-www-riverland-edu-academics-programs-manufacturing-skills-standard-cert-</a> |
| National Certified Fluid Power Specialist | Hennepin Technical College  | Eden Prairie/Brooklyn Park | No     | 10 credits | 1 semester       | Certificate | Yes                             | No                  | <a href="https://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Fluid-Power-Engineering-">https://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Fluid-Power-Engineering-</a>                           |
| Pneumatic Engineering Technician          | Hennepin Technical College  | Eden Prairie/Brooklyn Park | No     | 60 credits | 2 years          | Associates  | Yes                             | No                  | <a href="https://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Fluid-Power-Engineering-">https://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Fluid-Power-Engineering-</a>                           |
| Pneumatic Engineering Technician          | Hennepin Technical College  | Eden Prairie/Brooklyn Park | No     | 64 credits | 1-2 years        | Diploma     | Yes                             | No                  | <a href="https://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Fluid-Power-Engineering-">https://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Fluid-Power-Engineering-</a>                           |
| Production Technologies                   | Hennepin Technical College  | Eden Prairie/Brooklyn Park | No     | 16 credits | 1 semester       | Certificate | Yes                             | No                  | <a href="http://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Automation-Robotics-">http://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Automation-Robotics-</a>                                     |
| Production Technologies                   | Northwest Technical College | Bemidji                    | Yes    | 16 credits | 1 semester       | Certificate | No                              | No                  | <a href="https://www.ntcmn.edu/career-paths/manufacturing-technologies/production-technologies/degrees-credentials/certificate-production-technologies/">https://www.ntcmn.edu/career-paths/manufacturing-technologies/production-technologies/degrees-credentials/certificate-production-technologies/</a>                               |
| Production Technologist                   | Lake Superior College       | Duluth                     | No     | 8 credits  | 1 semester       | Certificate | No                              | No                  | <a href="https://degrees.lsc.edu/production-technologist/">https://degrees.lsc.edu/production-technologist/</a>   |
| Production Technology Certificate         | Central Lakes College       | Brainerd                   | No     | 16 credits | Less than 1 year | Certificate | No                              | No                  | <a href="http://www.clcmn.edu/production-technologies-certificate-2/">http://www.clcmn.edu/production-technologies-certificate-2/</a>   |



ADVANCED MANUFACTURING — Manufacturing Engineer

| Program  | Training Institution                            | Location               | Online | Credit      | Duration         | Credential           | Has Participated in DTG Program | Competencies Mapped | URL   |
|--|---|------------------------|--------|-------------|------------------|----------------------|---------------------------------|---------------------|---|
| Aerospace Engineering and Mechanics                                | University of Minnesota - Twin Cities           | Twin Cities            | No     | 122 credits | 4 years          | Bachelors of Science | No                              | No                  | <a href="https://cse.umn.edu/college/aerospace-engineering-and-mechanics">https://cse.umn.edu/college/aerospace-engineering-and-mechanics</a>   |
| Aerospace Engineering and Mechanics                                | University of Minnesota-Twin Cities             | Twin Cities            | No     | 30 credits  | 1-2 years        | Masters Degree       | No                              | No                  | <a href="https://cse.umn.edu/aem/degree-programs">https://cse.umn.edu/aem/degree-programs</a>   |
| Applied Engineering  | Bemidji State University                        | Bemidji                | Yes    | 120 credits | 4 years          | Bachelors of Science | Yes                             | No                  | <a href="https://www.bemidjistate.edu/academics/departments/technology-art-design/technology-programs/applied-engineering/">https://www.bemidjistate.edu/academics/departments/technology-art-design/technology-programs/applied-engineering/</a>   |
| Applied Engineering  | Pine Technical College                          | Pine City              | No     | 60 credits  | 2 years          | Associates Degree    | No                              | No                  | <a href="https://www.pine.edu/programs/advanced-manufacturing-technology-programs/applied-engineering-technology">https://www.pine.edu/programs/advanced-manufacturing-technology-programs/applied-engineering-technology</a>   |
| Applied Engineering Technology Biomedical Design and Manufacturing | Anoka Ramsey Community College                  | Anoka                  | No     | 60 credits  | 2 years          | Associates Degree    | No                              | No                  | <a href="http://www.anokaramsey.edu/academics/degrees-diplomas-certificates/two-year-degrees/associate-of-science-degrees/applied-engineering-technology">http://www.anokaramsey.edu/academics/degrees-diplomas-certificates/two-year-degrees/associate-of-science-degrees/applied-engineering-technology</a> |
| Automation Robotics Engineering Technology                         | Hennepin Technical College                      | Brooklyn Park          | No     | 60 credits  | 2 years          | Associates Degree    | No                              | No                  | <a href="http://hennepintech.smartcatalogiq.com/en/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Automation-Robotics-">http://hennepintech.smartcatalogiq.com/en/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Automation-Robotics-</a>   |
| Biomedical Engineering   | University of Minnesota - Twin Cities           | Twin Cities            | No     | 124 credits | 4 years          | Bachelors of Science | No                              | No                  | <a href="https://cse.umn.edu/college/biomedical-engineering">https://cse.umn.edu/college/biomedical-engineering</a>   |
| Composite Materials Engineering                                    | Winona State University                         | Winona                 | No     | 128 credits | 4 years          | Bachelors of Science | No                              | No                  | <a href="https://www.winona.edu/engineering/programs.asp">https://www.winona.edu/engineering/programs.asp</a>   |
| Computer Aided Drafting and Design                                 | Ridgewater College                              | Willmar and Hutchinson | Both   | 67 credits  | 2 years          | Associates Degree    | No                              | No                  | <a href="https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2894">https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2894</a>   |
| Computer Aided Drafting and Design                                 | Ridgewater College                              | Willmar and Hutchinson | Both   | 64 credits  | 2 years          | Diploma              | No                              | No                  | <a href="https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2895">https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2895</a>   |
| Computer Aided Drafting and Design Technician                      | Ridgewater College                              | Willmar and Hutchinson | Both   | 29 credits  | 1-2 years        | Certificate          | No                              | No                  | <a href="https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2896">https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2896</a>   |
| Controls Engineering   | Hennepin Technical College                      | Brooklyn Park          | No     | 60 credits  | 2 years          | Diploma              | No                              | No                  | <a href="http://hennepintech.smartcatalogiq.com/en/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Automation-Robotics-">http://hennepintech.smartcatalogiq.com/en/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Automation-Robotics-</a>   |
| Digital Fabrication Technology                                     | Century College                                 | White Bear Lake        | No     | 16 credits  | Less than 1 year | Certificate          | No                              | No                  | <a href="http://catalog.century.edu/preview_program.php?catoid=11&amp;poid=2483&amp;returnto=554">http://catalog.century.edu/preview_program.php?catoid=11&amp;poid=2483&amp;returnto=554</a>   |
| Drafting and 3D Technologies                                       | Minnesota State Community and Technical College | Moorhead               | No     | 66 credits  | 2 years          | Associates Degree    | No                              | No                  | <a href="https://www.minnesota.edu/degrees/370">https://www.minnesota.edu/degrees/370</a>   |
| Engineering  | Century College                                 | White Bear Lake        | No     | 60 credits  | 2 years          | Associates Degree    | No                              | No                  | <a href="https://www.century.edu/programs/engineering">https://www.century.edu/programs/engineering</a>   |
| Engineering  | Itasca Community College                        | Grand Rapids           | No     | 60 credits  | 2 years          | Associates Degree    | No                              | No                  | <a href="https://www.itascacc.edu/engineering#programs">https://www.itascacc.edu/engineering#programs</a>   |
| Engineering  | Minnesota State Community and Technical College | Moorhead               | No     | 60 credits  | 2 years          | Associates Degree    | No                              | No                  | <a href="https://www.minnesota.edu/degrees/138">https://www.minnesota.edu/degrees/138</a>   |

ADVANCED MANUFACTURING — Manufacturing Engineer

| Program                    | Training Institution                      | Location                    | Online | Credit        | Duration         | Credential           | Has Participated in DTG Program | Competencies Mapped | URL   |
|----------------------------|---|-----------------------------|--------|---------------|------------------|----------------------|---------------------------------|---------------------|---|
| Engineering                | University of Northwestern                | Saint Paul                  | No     | 135 credits   | 4 years          | Bachelors of Science | No                              | No                  | <a href="https://unwsp.edu/program/engineering?utm_source=google&amp;utm_medium=cpc&amp;utm_campaign=Undergraduate&amp;vsrefdom=p.7031&amp;gclid=Cj0KCCiAO-">https://unwsp.edu/program/engineering?utm_source=google&amp;utm_medium=cpc&amp;utm_campaign=Undergraduate&amp;vsrefdom=p.7031&amp;gclid=Cj0KCCiAO-</a> |
| Engineering                | Anoka Ramsey Community College            | Anoka                       | No     | 60 credits    | 2 years          | Associates Degree    | No                              | No                  | <a href="https://www.anokaramsey.edu/academics/degrees-diplomas-certificates/two-year-degrees/associate-of-science-degrees/engineering/">https://www.anokaramsey.edu/academics/degrees-diplomas-certificates/two-year-degrees/associate-of-science-degrees/engineering/</a>   |
| Engineering and CNC        | Minnesota State College Southeast         | Red Wing                    | No     | 11 credits    | Less than 1 year | Certificate          | No                              | No                  | <a href="https://www.southeastmn.edu/academics/Program.aspx?p=28">https://www.southeastmn.edu/academics/Program.aspx?p=28</a>   |
| Engineering Broad Field    | Hibbing Community College                 | Hibbing                     | No     | 60 credits    | 2 years          | Associates Degree    | No                              | No                  | <a href="https://hibbing.edu/academics/areas-of-study/liberal-arts-transfer/associate-of-science-engineering.pdf">https://hibbing.edu/academics/areas-of-study/liberal-arts-transfer/associate-of-science-engineering.pdf</a>   |
| Engineering Broad Field    | Normandale Community College              | Bloomington                 | No     | 60 credits    | 2 years          | Associates Degree    | No                              | No                  | <a href="http://normandale.smartcatalogiq.com/2021-2022/Catalog/Programs-of-Study/Engineering-Broad-Field-AS">http://normandale.smartcatalogiq.com/2021-2022/Catalog/Programs-of-Study/Engineering-Broad-Field-AS</a>   |
| Engineering Broad Field    | Rochester Community and Technical College | Rochester                   | No     | 60 credits    | 2 years          | Associates Degree    | No                              | No                  | <a href="https://www.rctc.edu/program/engineering/">https://www.rctc.edu/program/engineering/</a>   |
| Engineering Broad Field    | Saint Cloud Technical College             | Saint Cloud                 | No     | 60 credits    | 2 years          | Associates Degree    | No                              | No                  | <a href="https://www.sctcc.edu/degrees-programs/engineering-broad-field-60-credits">https://www.sctcc.edu/degrees-programs/engineering-broad-field-60-credits</a>   |
| Engineering Broad Field    | Saint Paul College                        | Saint Paul                  | No     | 60 credits    | 2 years          | Associates Degree    | No                              | No                  | <a href="https://www.saintpaul.edu/programs/ProgramGuides/EngineeringBroadFieldAS.pdf">https://www.saintpaul.edu/programs/ProgramGuides/EngineeringBroadFieldAS.pdf</a>   |
| Engineering CAD Technology | Century College                           | White Bear Lake             | No     | 60 credits    | 2 years          | Associates Degree    | No                              | No                  | <a href="http://catalog.century.edu/preview_program.php?catoid=11&amp;pooid=2489&amp;returnto=554">http://catalog.century.edu/preview_program.php?catoid=11&amp;pooid=2489&amp;returnto=554</a>   |
| Engineering CAD Technology | Hennepin Technical College                | Brooklyn Park               | No     | 72 credits    | 2 years          | Associates           | Yes                             | No                  | <a href="https://hennepintech.smartcatalogiq.com/en/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Engineering-CAD-">https://hennepintech.smartcatalogiq.com/en/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Engineering-CAD-</a>               |
| Engineering CAD Technology | Hennepin Technical College                | Brooklyn Park/ Eden Prairie | No     | 64 credits    | 2 years          | Diploma              | No                              | No                  | <a href="https://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Engineering-CAD-">https://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Engineering-CAD-</a>                     |
| Engineering CAD Technology | Lake Superior College                     | Duluth                      | No     | 60 credits    | 2 years          | Diploma              | No                              | No                  | <a href="https://degrees.lsc.edu/engineering/">https://degrees.lsc.edu/engineering/</a>   |
| Engineering CAD Technology | Lake Superior College                     | Duluth                      | No     | 67 credits    | 2 years          | Associates Degree    | No                              | No                  | <a href="https://degrees.lsc.edu/cad/">https://degrees.lsc.edu/cad/</a>   |
| Engineering Fundamentals   | Inver Hills Community College             | Inver Grove Heights         | No     | 60 credits    | 2 years          | Associates Degree    | No                              | No                  | <a href="https://www.inverhills.edu/DegreesAndPrograms/Engineering/index.aspx">https://www.inverhills.edu/DegreesAndPrograms/Engineering/index.aspx</a>   |
| Engineering Management     | Minnesota State University                | Mankato                     | No     | 32 credits    | 1-2 years        | Masters Degree       | No                              | No                  | <a href="https://cset.mnsu.edu/academic-programs/manufacturing-engineering-technology/engineering-management-professional-">https://cset.mnsu.edu/academic-programs/manufacturing-engineering-technology/engineering-management-professional-</a>   |
| Engineering Management     | Saint Cloud State University              | Saint Cloud and Plymouth    | No     | 30-33 credits | 1-2 years        | Masters Degree       | No                              | No                  | <a href="https://www.stcloudstate.edu/graduate/mem/default.aspx">https://www.stcloudstate.edu/graduate/mem/default.aspx</a>   |
| Engineering Management     | Minnesota State University                | Moorhead                    | No     | 32 credits    | 2 years          | Masters Degree       | No                              | No                  | <a href="https://cset.mnsu.edu/departments/automotive-and-manufacturing-engineering-technology/psm-engineering-management/curriculum-planning/">https://cset.mnsu.edu/departments/automotive-and-manufacturing-engineering-technology/psm-engineering-management/curriculum-planning/</a>                           |

ADVANCED MANUFACTURING — Manufacturing Engineer

| Program                                  | Training Institution                  | Location                | Online | Credit      | Duration         | Credential           | Has Participated in DTG Program | Competencies Mapped | URL   |
|--|---------------------------------------|-------------------------|--------|-------------|------------------|----------------------|---------------------------------|---------------------|---|
| Engineering Technology                   | Bemidji State University              | Bemidji                 | Yes    | 120 credits | 4 years          | Bachelors of Science | No                              | No                  | <a href="https://www.bemidjistate.edu/academics/departments/technology-art-design/technology-programs/engineering-technology/">https://www.bemidjistate.edu/academics/departments/technology-art-design/technology-programs/engineering-technology/</a>   |
| Engineering Technology                   | Lake Superior College                 | Duluth                  | No     | 60 credits  | 2 years          | Associates Degree    | No                              | No                  | <a href="https://degrees.lsc.edu/engineering-technology/">https://degrees.lsc.edu/engineering-technology/</a>   |
| Engineering Technology                   | Northwest Technical College           | East Grand Forks        | No     | 60 credits  | 2 years          | Associates Degree    | No                              | No                  | <a href="https://www.ntcmn.edu/career-paths/engineering-technologies/engineering-technology/degrees-credentials/aas-engineering-technology/">https://www.ntcmn.edu/career-paths/engineering-technologies/engineering-technology/degrees-credentials/aas-engineering-technology/</a>                                   |
| Engineering and CNC                      | Minnesota State College Southeast     | Winona                  | No     | 11 credits  | Less than 1 year | Certificate          | No                              | No                  | <a href="https://www.southeastmn.edu/academics/MajorDetail.aspx?i=738">https://www.southeastmn.edu/academics/MajorDetail.aspx?i=738</a>   |
| Executive Engineering Management         | Saint Cloud State University          | Saint Paul              | No     | 33 credits  | 1-2 years        | Masters Degree       | No                              | No                  | <a href="https://www.stcloudstate.edu/graduate/emem-st-paul/default.aspx">https://www.stcloudstate.edu/graduate/emem-st-paul/default.aspx</a>   |
| General Engineering                      | Winona State University               | Winona                  | No     | 120 credits | 4 years          | Bachelors of Science | No                              | No                  | <a href="https://www.winona.edu/physics/why-engineering.asp">https://www.winona.edu/physics/why-engineering.asp</a>   |
| Industrial and Systems Engineering       | University of Minnesota - Twin Cities | Twin Cities             | No     | 122 credits | 4 years          | Bachelors of Science | No                              | No                  | <a href="https://cse.umn.edu/college/industrial-and-systems-engineering">https://cse.umn.edu/college/industrial-and-systems-engineering</a>   |
| Industrial Engineering                   | University of Minnesota - Duluth      | Duluth                  | No     | 122 credits | 4 years          | Bachelors of Science | Yes                             | No                  | <a href="https://www.d.umn.edu/academics/majors-and-minors/industrial-engineering-bsie?_ga=2.213624471.2003981962.1612464561-">https://www.d.umn.edu/academics/majors-and-minors/industrial-engineering-bsie?_ga=2.213624471.2003981962.1612464561-</a>   |
| Industrial Engineering                   | University of Minnesota-Twin Cities   | Twin Cities             | No     | 30 credits  | 1-2 years        | Masters Degree       | No                              | No                  | <a href="https://cse.umn.edu/isye/industrial-engineering">https://cse.umn.edu/isye/industrial-engineering</a>   |
| Industrial Engineering Technology        | Dunwoody College of Technology        | Minneapolis             | No     | 121 credits | 4 years          | Bachelors of Science | Yes                             | No                  | <a href="https://dunwoody.edu/engineering/industrial-engineering-technology/">https://dunwoody.edu/engineering/industrial-engineering-technology/</a>   |
| Integrated Engineering                   | Minnesota State University            | Mankato and Twin Cities | No     | 127 credits | 4 years          | Bachelors of Science | No                              | No                  | <a href="https://cset.mnsu.edu/academic-programs/bell-engineering/integrated-engineering-bachelor-of-science-engineering-bse2#plan">https://cset.mnsu.edu/academic-programs/bell-engineering/integrated-engineering-bachelor-of-science-engineering-bse2#plan</a>   |
| Manufacturing Engineering                | Saint Cloud State University          | Saint Cloud             | No     | 128 credits | 4 years          | Bachelors of Science | No                              | No                  | <a href="https://www.stcloudstate.edu/catalog/degreemaps/sce/MME-MFGE.pdf">https://www.stcloudstate.edu/catalog/degreemaps/sce/MME-MFGE.pdf</a>   |
| Manufacturing Engineering Technology     | Hennepin Technical College            | Eden Prairie            | No     | 60 credits  | 2 years          | Associates           | No                              | No                  | <a href="http://hennepintech.smartcatalogiq.com/en/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Manufacturing-Engineering">http://hennepintech.smartcatalogiq.com/en/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Manufacturing-Engineering</a> |
| Manufacturing Engineering Technology     | Minnesota State University            | Mankato                 | No     | 128 credits | 4 years          | Bachelors of Science | No                              | No                  | <a href="https://cset.mnsu.edu/academic-programs/manufacturing-engineering-technology/manufacturing-engineering-technology-">https://cset.mnsu.edu/academic-programs/manufacturing-engineering-technology/manufacturing-engineering-technology-</a>   |
| Manufacturing Engineering Technology     | Minnesota State University            | Mankato                 | No     | 34 credits  | 1-2 years        | Masters Degree       | No                              | No                  | <a href="https://cset.mnsu.edu/academic-programs/manufacturing-engineering-technology/manufacturing-engineering-technology-">https://cset.mnsu.edu/academic-programs/manufacturing-engineering-technology/manufacturing-engineering-technology-</a>   |
| Materials Science and Engineering        | University of Minnesota - Twin Cities | Twin Cities             | No     | 121 credits | 4 years          | Bachelors of Science | No                              | No                  | <a href="https://cse.umn.edu/college/materials-science-and-engineering">https://cse.umn.edu/college/materials-science-and-engineering</a>   |
| Mechanical and Manufacturing Engineering | Saint Cloud State University          | Saint Cloud             | No     | 141 credits | 4 years          | Bachelors of Science | Yes                             | No                  | <a href="https://www.stcloudstate.edu/catalog/degreemaps/sce/DualMEMEMFE.pdf">https://www.stcloudstate.edu/catalog/degreemaps/sce/DualMEMEMFE.pdf</a>   |



**ADVANCED MANUFACTURING — Manufacturing Production Supervisor**

| Program                             | Training Institution                           | Location      | Online       | Credit      | Duration                           | Credential  | Has Participated in DTG Program | Competencies Mapped | URL   |
|-------------------------------------|--|---------------|--------------|-------------|------------------------------------|-------------|---------------------------------|---------------------|---|
| Applied Management                  | Bemidji State University                       | Bemidji       | No           | 60 credits  | 2 years (after transferring with a | Bachelors   | No                              | No                  | <a href="https://www.bemidjistate.edu/academics/catalog/current/programs/bas_amgt">https://www.bemidjistate.edu/academics/catalog/current/programs/bas_amgt</a>   |
| Engineering Management              | Minnesota State University - Mankato           | Mankato       | No           | 32 credits  | 2 years                            | Masters     | No                              | No                  | <a href="https://cset.mnsu.edu/departments/automotive-and-manufacturing-engineering-technology/psm-engineering-management/curriculum-planning/">https://cset.mnsu.edu/departments/automotive-and-manufacturing-engineering-technology/psm-engineering-management/curriculum-planning/</a>   |
| Lean Enterprise Certification       | Hennepin Technical College                     | Eden Prairie  | No           | 12 credits  | Less than 1 year                   | Certificate | No                              | No                  | <a href="https://www.hennepintech.edu/workforce-education/programs-workforce-education/lean-enterprise-certification.html">https://www.hennepintech.edu/workforce-education/programs-workforce-education/lean-enterprise-certification.html</a>   |
| Lean Quality Management             | Minnesota State University - Moorhead          | Moorhead      | No           | 9 credits   | Less than 1 year                   | Certificate | No                              | No                  | <a href="https://navigator.mnstate.edu/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;catalogid=36&amp;chapterid=537&amp;topicgroupid=4854&amp;loaduseredits=True">https://navigator.mnstate.edu/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;catalogid=36&amp;chapterid=537&amp;topicgroupid=4854&amp;loaduseredits=True</a> |
| Lean Six Sigma                      | Bemidji State University                       | Bemidji       | No           | 30 credits  | 1 year                             | Certificate | No                              | No                  | <a href="https://www.bemidjistate.edu/academics/departments/technology-art-design/technology-programs/lean-six-sigma-lss-certificate/">https://www.bemidjistate.edu/academics/departments/technology-art-design/technology-programs/lean-six-sigma-lss-certificate/</a>   |
| Lean Six Sigma                      | Minnesota West Community and Technical College | Worthington   | No           | Non-credit  | Less than 1 year                   | Certificate | No                              | No                  | <a href="https://www.mnwest.edu/programs-courses/training-management/training/manufacturing-trades/lean-six-sigma">https://www.mnwest.edu/programs-courses/training-management/training/manufacturing-trades/lean-six-sigma</a>   |
| Lean Six Sigma                      | New Horizons Computer Learning Centers         | Eagan         | Yes          | Non-credit  | Less than 1 year                   | Certificate | No                              | No                  | <a href="https://www.newhorizonsmn.com/training-certifications/business-courses/six-sigma">https://www.newhorizonsmn.com/training-certifications/business-courses/six-sigma</a>   |
| Lean Six Sigma                      | Saint Cloud State                              | Saint Cloud   | No           | Non-credit  | Less than 1 year                   | Certificate | No                              | No                  | <a href="https://www.stcloudstate.edu/continuingstudies/ceo/project-management/lean-six.aspx">https://www.stcloudstate.edu/continuingstudies/ceo/project-management/lean-six.aspx</a>   |
| Manufacturing Management            | University of Minnesota - Crookston            | Crookston     | Yes          | 120 credits | 4 years                            | Bachelors   | Yes                             | No                  | <a href="https://onestop2.umn.edu/pcas/viewCatalogProgram.do?programID=345&amp;strm=&amp;campus=UMNCR">https://onestop2.umn.edu/pcas/viewCatalogProgram.do?programID=345&amp;strm=&amp;campus=UMNCR</a>   |
| Manufacturing Management            | University of Minnesota - Crookston            | Crookston     | No           | 19 credits  | Less than 1 year                   | Certificate | No                              | No                  | <a href="https://onestop2.umn.edu/pcas/viewCatalogProgram.do?programID=12235&amp;strm=&amp;campus=UMNCR">https://onestop2.umn.edu/pcas/viewCatalogProgram.do?programID=12235&amp;strm=&amp;campus=UMNCR</a>   |
| Manufacturing Operations Management | University of Minnesota - Twin Cities          | Twin Cities   | No           | 120 credits | 4 years                            | Bachelors   | No                              | No                  | <a href="https://ccaps.umn.edu/manufacturing-operations-management-bachelors-degree">https://ccaps.umn.edu/manufacturing-operations-management-bachelors-degree</a>   |
| Multicultural Quality Management    | Dakota County Technical College                | Rosemount     | No           | 33 credits  | 2 years                            | Diploma     | No                              | No                  | <a href="https://www.dctc.edu/academics/programs-majors/business/business-management/multicultural-quality-management-diploma/">https://www.dctc.edu/academics/programs-majors/business/business-management/multicultural-quality-management-diploma/</a>   |
| Operations Management               | Minnesota State University - Moorhead          | Moorhead      | Yes, partial | 120 credits | 4 years                            | Bachelors   | No                              | No                  | <a href="https://navigator.mnstate.edu/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;catalogid=36&amp;chapterid=537&amp;topicgroupid=4850&amp;loaduseredits=True">https://navigator.mnstate.edu/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;catalogid=36&amp;chapterid=537&amp;topicgroupid=4850&amp;loaduseredits=True</a> |
| Quality Management Systems          | Minnesota State University - Mankato           | Mankato       | No           | 15 credits  | Less than 1 year                   | Certificate | No                              | No                  | <a href="https://mankato.mnsu.edu/academics/academic-catalog/graduate/manufacturing-engineering-technology/quality-management-systems-gc/">https://mankato.mnsu.edu/academics/academic-catalog/graduate/manufacturing-engineering-technology/quality-management-systems-gc/</a>   |
| Six Sigma                           | Normandale Community and Technical College     | Bloomington   | No           | Non-credit  | Less than 1 year                   | Certificate | No                              | No                  | <a href="https://www.normandale.edu/continuing-education/business-professional-skills/six-sigma">https://www.normandale.edu/continuing-education/business-professional-skills/six-sigma</a>   |
| Six Sigma Green Belt                | Manufacturers Alliance                         | Golden Valley | Both         | Non-credit  | Less than 1 year                   | Certificate | No                              | No                  | <a href="https://www.mfrall.com/certification_programs/24">https://www.mfrall.com/certification_programs/24</a>   |

**ADVANCED MANUFACTURING — Mechatronics Technician**

| Program  | Training Institution           | Location     | Online | Credit      | Duration         | Credential  | Has Participated in DTG Program | Competencies Mapped | URL   |
|--|--------------------------------|--------------|--------|-------------|------------------|-------------|---------------------------------|---------------------|---|
| Advanced Technical Mechatronics                        | Hennepin Technical College     | Eden Prairie | No     | 17 credits  | Less than 1 year | Certificate | Yes                             | No                  | <a href="http://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Automation-Robotics-">http://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Automation-Robotics-</a>                               |
| Applied Engineering                                    | Bemidji State University       | Bemidji      | Yes    | 120 credits | 4 years          | Bachelors   | Yes                             | No                  | <a href="https://www.bemidjistate.edu/academics/departments/technology-art-design/technology-programs/applied-engineering/?utm_campaign=Applied+Engineering&amp;utm">https://www.bemidjistate.edu/academics/departments/technology-art-design/technology-programs/applied-engineering/?utm_campaign=Applied+Engineering&amp;utm</a> |
| Automated Systems and Robotics                         | Dunwoody College of Technology | Minneapolis  | No     | 72 credits  | 2 years          | Associates  | No                              | No                  | <a href="https://catalog.dunwoody.edu/catalog-student-handbook/academic-programs/robotics-manufacturing/automated-systems-robotics-asro-aas/">https://catalog.dunwoody.edu/catalog-student-handbook/academic-programs/robotics-manufacturing/automated-systems-robotics-asro-aas/</a>   |
| Automated Systems Technology                           | Pine Technical College         | Pine City    | No     | 33 credits  | 1-2 years        | Diploma     | Yes                             | No                  | <a href="https://www.pine.edu/programs/advanced-manufacturing-technology-programs/automated-systems-technology-diploma/automated-systems-">https://www.pine.edu/programs/advanced-manufacturing-technology-programs/automated-systems-technology-diploma/automated-systems-</a>   |
| Automation and Robotics Systems Engineering Technology | Ridgewater College             | Hutchinson   | No     | 67 credits  | 2 years          | Associates  | No                              | No                  | <a href="https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2888">https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2888</a>   |
| Automation and Robotics Systems Technology             | Ridgewater College             | Hutchinson   | No     | 64 credits  | 2 years          | Diploma     | No                              | No                  | <a href="https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2889">https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2889</a>   |
| Automation Machinery Systems                           | Hennepin Technical College     | Eden Prairie | No     | 60 credits  | 2 years          | Associates  | No                              | No                  | <a href="http://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Automation-Robotics-">http://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Automation-Robotics-</a>                               |
| Automation Robotics Engineering Technology             | Hennepin Technical College     | Eden Prairie | No     | 60 credits  | 2 years          | Associates  | Yes                             | Partially           | <a href="http://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Automation-Robotics-">http://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Automation-Robotics-</a>                               |
| Automation Robotics Engineering Technology             | Hennepin Technical College     | Eden Prairie | No     | 60 credits  | 2 years          | Associates  | No                              | No                  | <a href="http://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Automation-Robotics-">http://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Automation-Robotics-</a>                               |
| Biomedical Equipment Technician                        | Anoka Technical College        | Anoka        | No     | 72 credits  | 2 years          | Associates  | No                              | No                  | <a href="http://www.anokatech.edu/-/media/Files/New-Web-Site-Files/Programs-and-Courses/Guidesheets/21-22/BMET-">http://www.anokatech.edu/-/media/Files/New-Web-Site-Files/Programs-and-Courses/Guidesheets/21-22/BMET-</a>   |
| Controls Engineering Technician                        | Hennepin Technical College     | Eden Prairie | No     | 60 credits  | 2 years          | Diploma     | Yes                             | Partially           | <a href="https://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Automation-Robotics-">https://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Automation-Robotics-</a>                             |
| Electrical Controls & Maintenance                      | Mesabi Range College           | Eveleth      | No     | 67 credits  | 2 years          | Diploma     | No                              | No                  | <a href="http://www.mesabirange.edu/programs/ecm">http://www.mesabirange.edu/programs/ecm</a>   |
| Electrical Controls & Maintenance                      | Mesabi Range College           | Eveleth      | No     | 72 credits  | 2 years          | Associates  | No                              | No                  | <a href="http://www.mesabirange.edu/programs/ecm">http://www.mesabirange.edu/programs/ecm</a>   |
| Electromechanical Systems                              | St. Paul College               | St. Paul     | No     | 57 credits  | 2 years          | Diploma     | No                              | No                  | <a href="https://www.saintpaul.edu/programs/ProgramGuides/ElectromechanicalSystemsDiploma.pdf">https://www.saintpaul.edu/programs/ProgramGuides/ElectromechanicalSystemsDiploma.pdf</a>   |
| Electromechanical Systems - Electrical                 | St. Paul College               | St. Paul     | No     | 16 credits  | 1 year           | Certificate | No                              | No                  | <a href="https://www.saintpaul.edu/programs/ProgramGuides/ElectromechanicalSystems-ElectricalCertificate.pdf">https://www.saintpaul.edu/programs/ProgramGuides/ElectromechanicalSystems-ElectricalCertificate.pdf</a>   |
| Electromechanical Systems - Industrial Programming     | St. Paul College               | St. Paul     | No     | 16 credits  | 1 year           | Certificate | No                              | No                  | <a href="https://www.saintpaul.edu/programs/ProgramGuides/ElectromechanicalSystems-IndustrialProgrammingCertificate.pdf">https://www.saintpaul.edu/programs/ProgramGuides/ElectromechanicalSystems-IndustrialProgrammingCertificate.pdf</a>   |
| Electromechanical Systems - Mechanical                 | St. Paul College               | St. Paul     | No     | 16 credits  | 1 year           | Certificate | No                              | No                  | <a href="https://www.saintpaul.edu/programs/ProgramGuides/ElectromechanicalSystems-MechanicalCertificate.pdf">https://www.saintpaul.edu/programs/ProgramGuides/ElectromechanicalSystems-MechanicalCertificate.pdf</a>   |

ADVANCED MANUFACTURING — Mechatronics Technician

| Program  | Training Institution                       | Location                   | Online       | Credit     | Duration    | Credential  | Has Participated in DTG Program | Competencies Mapped | URL   |
|--|--|----------------------------|--------------|------------|-------------|-------------|---------------------------------|---------------------|---|
| Electronic Technology                            | Anoka Technical College                    | Anoka                      | No           | 32 credits | 2 semesters | Diploma     | No                              | No                  | <a href="https://www.anokatech.edu/~media/Files/New-Web-Site-Files/Programs-and-Courses/Guidesheets/2021/ETEC-">https://www.anokatech.edu/~media/Files/New-Web-Site-Files/Programs-and-Courses/Guidesheets/2021/ETEC-</a>   |
| Electronics Engineering Technology               | Dunwoody College of Technology             | Minneapolis                | No           | 72 credits | 2 years     | Associates  | No                              | No                  | <a href="https://catalog.dunwoody.edu/catalog-student-handbook/academic-programs/robotics-manufacturing/electronics-engineering-technology-eltt-">https://catalog.dunwoody.edu/catalog-student-handbook/academic-programs/robotics-manufacturing/electronics-engineering-technology-eltt-</a>                   |
| Electronics Technology                           | Dunwoody College of Technology             | Minneapolis                | No           | 60 credits | 2 years     | Associates  | No                              | No                  | <a href="https://catalog.dunwoody.edu/catalog-student-handbook/academic-programs/robotics-manufacturing/electronics-technology-ielt-aas/">https://catalog.dunwoody.edu/catalog-student-handbook/academic-programs/robotics-manufacturing/electronics-technology-ielt-aas/</a>                                   |
| Electronics Technology                           | Hennepin Technical College                 | Brooklyn Park              | No           | 72 credits | 2 years     | Associates  | Yes                             | No                  | <a href="https://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Electronics-">https://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Electronics-</a>                         |
| Electronics Technology                           | Hennepin Technical College                 | Brooklyn Park              | No           | 64 credits | 1-2 years   | Diploma     | Yes                             | No                  | <a href="https://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Electronics-">https://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Electronics-</a>                         |
| Engineering Management                           | Minnesota State University - Mankato       | Mankato/ Edina             | Yes, partial | 32 credits | 2 years     | Masters     | Yes                             | Partially           | <a href="https://mankato.mnsu.edu/academics/academic-catalog/graduate/manufacturing-engineering-technology/engineering-management-psm/">https://mankato.mnsu.edu/academics/academic-catalog/graduate/manufacturing-engineering-technology/engineering-management-psm/</a>                                       |
| Fluid Power Engineering Technician               | Hennepin Technical College                 | Brooklyn Park/Eden Prairie | No           | 72 credits | 2 years     | Associates  | Yes                             | Partially           | <a href="https://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Fluid-Power-Engineering-">https://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Fluid-Power-Engineering-</a> |
| Fluid Power Engineering Technician               | Hennepin Technical College                 | Brooklyn Park/Eden Prairie | No           | 66 credits | 2 years     | Diploma     | Yes                             | Partially           | <a href="https://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Fluid-Power-Engineering-">https://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Fluid-Power-Engineering-</a> |
| Industrial Controls                              | Dunwoody College of Technology             | Minneapolis                | No           | 23 credits | 1 year      | Certificate | No                              | No                  | <a href="https://catalog.dunwoody.edu/catalog-student-handbook/academic-programs/robotics-manufacturing/industrial-controls-robotics-icon-">https://catalog.dunwoody.edu/catalog-student-handbook/academic-programs/robotics-manufacturing/industrial-controls-robotics-icon-</a>                               |
| Industrial Controls and Robotics                 | Dunwoody College of Technology             | Minneapolis                | No           | 60 credits | 2 years     | Associates  | No                              | No                  | <a href="https://catalog.dunwoody.edu/catalog-student-handbook/academic-programs/robotics-manufacturing/industrial-controls-robotics-icon-aas/">https://catalog.dunwoody.edu/catalog-student-handbook/academic-programs/robotics-manufacturing/industrial-controls-robotics-icon-aas/</a>                       |
| Industrial Technician                            | Pine Technical College                     | Pine City                  | No           | 60 credits | 2 years     | Associates  | No                              | No                  | <a href="https://www.pine.edu/programs/advanced-manufacturing-technology-programs/automated-systems-technology-industrial/automated-systems-">https://www.pine.edu/programs/advanced-manufacturing-technology-programs/automated-systems-technology-industrial/automated-systems-</a>                           |
| Instrumentation & Process Control                | St. Cloud Technical and Community College  | St. Cloud                  | No           | 60 credits | 2 years     | Associates  | No                              | No                  | <a href="https://www.sctcc.edu/degrees-programs/energy-electronics/instrumentation-process-control-aas-60-credits">https://www.sctcc.edu/degrees-programs/energy-electronics/instrumentation-process-control-aas-60-credits</a>   |
| Intermediate Mechatronics Engineering Technology | South Central College                      | Faribault/North Mankato    | Yes, partial | 39 credits | 1-2 years   | Diploma     | Yes                             | No                  | <a href="https://southcentral.edu/Award/dip-3485-2477.html">https://southcentral.edu/Award/dip-3485-2477.html</a>   |
| Manufacturing Production Technologies            | Ridgewater College                         | Hutchinson                 | No           | 16 credits | 1 semester  | Certificate | No                              | No                  | <a href="https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2893">https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2893</a>   |
| Mechatronics                                     | Alexandria Technical and Community College | Alexandria                 | No           | 72 credits | 2 years     | Associates  | Yes                             | No                  | <a href="https://www.alextech.edu/programs/mechatronics/curriculum#aas">https://www.alextech.edu/programs/mechatronics/curriculum#aas</a>   |
| Mechatronics                                     | Alexandria Technical and Community College | Alexandria                 | No           | 66 credits | 2 years     | Diploma     | No                              | No                  | <a href="https://www.alextech.edu/programs/mechatronics/curriculum#diploma">https://www.alextech.edu/programs/mechatronics/curriculum#diploma</a>   |
| Mechatronics                                     | Central Lakes College                      | Brainerd                   | No           | 40 credits | 1 year      | Diploma     | No                              | No                  | <a href="http://www.clcmn.edu/mechatronics-diploma-2/">http://www.clcmn.edu/mechatronics-diploma-2/</a>   |

ADVANCED MANUFACTURING — Mechatronics Technician

| Program                             | Training Institution                         | Location                   | Online       | Credit     | Duration         | Credential  | Has Participated in DTG Program | Competencies Mapped | URL   |
|-------------------------------------|--|----------------------------|--------------|------------|------------------|-------------|---------------------------------|---------------------|---|
| Mechatronics                        | Hennepin Technical College                   | Eden Prairie               | No           | 60 credits | 2 years          | Diploma     | Yes                             | Pending             | <a href="http://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Automation-Robotics-">http://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Automation-Robotics-</a>         |
| Mechatronics                        | Minnesota West Community & Technical College | Granite Falls/Worthington  | No           | 44 credits | 2 years          | Diploma     | Yes                             | Partially           | <a href="http://www.mnwest.edu/programs-courses/list/mechatronics-diploma">http://www.mnwest.edu/programs-courses/list/mechatronics-diploma</a>   |
| Mechatronics                        | Minnesota West Community & Technical College | Granite Falls/Worthington  | No           | 24 credits | 1 year           | Certificate | No                              | No                  | <a href="https://www.mnwest.edu/programs-courses/list/mechatronics-certificate">https://www.mnwest.edu/programs-courses/list/mechatronics-certificate</a>   |
| Mechatronics                        | Minnesota West Community & Technical College | Granite Falls/Worthington  | No           | 60 credits | 2 years          | Associates  | Yes                             | Partially           | <a href="http://www.mnwest.edu/programs-courses/list/mechatronics-aas">http://www.mnwest.edu/programs-courses/list/mechatronics-aas</a>   |
| Mechatronics                        | Northland Community and Technical College    | East Grand Forks           | No           | 60 credits | 2 years          | Associates  | No                              | No                  | <a href="http://www.northlandcollege.edu/programs/manufacturing/program_detail.php?program_code=358#requirements">http://www.northlandcollege.edu/programs/manufacturing/program_detail.php?program_code=358#requirements</a>   |
| Mechatronics                        | St. Cloud Technical and Community College    | St. Cloud                  | No           | 60 credits | 2 years          | Associates  | Yes                             | No                  | <a href="https://www.sctcc.edu/degrees-programs/energy-electronics/mechatronics-aas-60-credits">https://www.sctcc.edu/degrees-programs/energy-electronics/mechatronics-aas-60-credits</a>   |
| Mechatronics                        | St. Cloud Technical and Community College    | St. Cloud                  | No           | 30 credits | 1 year           | Certificate | No                              | No                  | <a href="https://www.sctcc.edu/degrees-programs/energy-electronics/mechatronics-certificate-30-credits">https://www.sctcc.edu/degrees-programs/energy-electronics/mechatronics-certificate-30-credits</a>   |
| Mechatronics Engineering Technology | South Central College                        | Faribault/North Mankato    | Yes, partial | 60 credits | 2 years          | Associates  | Yes                             | Partially           | <a href="https://southcentral.edu/Award/aas-3470.html">https://southcentral.edu/Award/aas-3470.html</a>   |
| Mechatronics Fluid Power Specialist | Minnesota West Community & Technical College | Granite Falls/Worthington  | No           | 17 credits | 1 semester       | Certificate | Yes                             | No                  | <a href="http://www.mnwest.edu/programs-courses/list/mechatronics-fluid-power-specialist-certificate">http://www.mnwest.edu/programs-courses/list/mechatronics-fluid-power-specialist-certificate</a>   |
| Mechatronics Industrial Maintenance | South Central College                        | Faribault/North Mankato    | Yes, partial | 25 credits | 1 year           | Certificate | Yes                             | No                  | <a href="https://southcentral.edu/Award/cert3603-2493.html">https://southcentral.edu/Award/cert3603-2493.html</a>   |
| Mechatronics Technician             | The Idea Circle                              | Bemidji                    | No           | Non-credit | 1 year           | Certificate | Yes                             | No                  | <a href="https://www.theideacircle.com/what-we-do/training/">https://www.theideacircle.com/what-we-do/training/</a>   |
| Mechatronics Technology             | Minnesota State College Southeast            | Winona                     | No           | 60 credits | 2 years          | Associates  | No                              | No                  | <a href="https://www.southeastmn.edu/academics/MajorDetail.aspx?i=765">https://www.southeastmn.edu/academics/MajorDetail.aspx?i=765</a>   |
| Process Controls Technician         | Ridgewater College                           | Hutchinson                 | No           | 60 credits | 2 years          | Associates  | No                              | No                  | <a href="https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2890">https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2890</a>   |
| Process Controls Technician         | Ridgewater College                           | Hutchinson                 | No           | 51 credits | 3 semesters      | Diploma     | No                              | No                  | <a href="https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2892">https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2892</a>   |
| Process Controls Technician         | Ridgewater College                           | Hutchinson                 | No           | 30 credits | 2 semesters      | Certificate | No                              | No                  | <a href="https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2891">https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2891</a>   |
| Production Technologies             | Hennepin Technical College                   | Brooklyn Park/Eden Prairie | No           | 16 credits | Less than 1 year | Certificate | Yes                             | No                  | <a href="https://hennepintech.smartcatalogiq.com/en/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Automation-Robotics-">https://hennepintech.smartcatalogiq.com/en/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Automation-Robotics-</a> |
| Production Technologist             | Lake Superior College                        | Duluth                     | No           | 8 credits  | 1 semester       | Certificate | Yes                             | Yes                 | <a href="https://degrees.lsc.edu/production-technologist/">https://degrees.lsc.edu/production-technologist/</a>   |



**ADVANCED MANUFACTURING — Mechatronics Technician**

| Program                                       | Training Institution                      | Location     | Online | Credit     | Duration | Credential | Has Participated in DTG Program | Competencies Mapped | URL   |
|---|---|--------------|--------|------------|----------|------------|---------------------------------|---------------------|---|
| Robotic and Electronic Engineering Technology | Anoka Technical College                   | Anoka        | No     | 72 credits | 2 years  | Associates | No                              | No                  | <a href="https://www.anokatech.edu/-/media/Files/New-Web-Site-Files/Programs-and-Courses/Guidesheets/21-22/EETEC-">https://www.anokatech.edu/-/media/Files/New-Web-Site-Files/Programs-and-Courses/Guidesheets/21-22/EETEC-</a>   |
| Robotics and Automated Systems Technology     | Central Lakes College                     | Brainerd     | No     | 61 credits | 2 years  | Diploma    | No                              | No                  | <a href="http://www.clcmn.edu/roboticsautomated-systems-technology-diploma/">http://www.clcmn.edu/roboticsautomated-systems-technology-diploma/</a>   |
| Robotics and Automated Systems Technology     | Central Lakes College                     | Brainerd     | No     | 70 credits | 2 years  | Associates | Yes                             | No                  | <a href="http://www.clcmn.edu/robotics-automated-systems-technology-a-a-s-degree/">http://www.clcmn.edu/robotics-automated-systems-technology-a-a-s-degree/</a>   |
| Robotics and Automation Technology            | St. Cloud Technical and Community College | St. Cloud    | No     | 60 credits | 2 years  | Associates | No                              | No                  | <a href="https://www.sctcc.edu/degrees-programs/energy-electronics/robotics-and-automation-technology-aas-60-credits">https://www.sctcc.edu/degrees-programs/energy-electronics/robotics-and-automation-technology-aas-60-credits</a>   |
| Special Electronics Technician                | Anoka Technical College                   | Anoka        | No     | 72 credits | 2 years  | Associates | No                              | No                  | <a href="https://www.anokatech.edu/-/media/Files/new-web-Site-Files/Programs-and-Courses/Guidesheets/2021/Spec-EETEC-">https://www.anokatech.edu/-/media/Files/new-web-Site-Files/Programs-and-Courses/Guidesheets/2021/Spec-EETEC-</a>   |
| Supply Chain Technician                       | Hennepin Technical College                | Eden Prairie | No     | 29 credits | 1 year   | Diploma    | No                              | No                  | <a href="http://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Automation-Robotics-">http://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Automation-Robotics-</a> |

**ADVANCED MANUFACTURING — Print Press Operator**

| Program                     | Training Institution       | Location      | Online | Credit     | Duration         | Credential        | Has Participated in DTG Program | Competencies Mapped | URL   |
|-----------------------------|----------------------------|---------------|--------|------------|------------------|-------------------|---------------------------------|---------------------|---|
| 3D Print System Maintenance | Hennepin Technical College | Eden Prairie  | No     | 17 credits | Less than 1 year | Certificate       | No                              | No                  | <a href="https://www.hennepin.edu/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Engineering-CAD-Technology/3D-Printing-System-Maintenance-BP-EP-">2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Engineering-CAD-Technology/3D-Printing-System-Maintenance-BP-EP-</a> |
| Graphics Communications     | South Central College      | North Mankato | No     | 72 credits | 2 years          | Associates Degree | No                              | No                  | <a href="https://southcentral.edu/Award/graphic-communications-associate-of-applied-science-degree.html">https://southcentral.edu/Award/graphic-communications-associate-of-applied-science-degree.html</a>   |
| Graphics Communications     | South Central College      | North Mankato | No     | 60 credits | 2 years          | Diploma           | No                              | No                  | <a href="https://southcentral.edu/Award/graphic-communications-diploma.html">https://southcentral.edu/Award/graphic-communications-diploma.html</a>   |

ADVANCED MANUFACTURING — Quality Assurance General

| Program  | Training Institution              | Location                   | Online | Credit      | Duration                               | Credential               | Has Participated in DTG Program | Competencies Mapped | URL   |
|--|-----------------------------------|----------------------------|--------|-------------|--|--------------------------|---------------------------------|---------------------|---|
| Machine Tool Technology                        | South Central College             | North Mankato              | No     | 66 credits  | 2 years                                | Diploma                  | No                              | No                  | <a href="https://southcentral.edu/Award/dip3517.html">https://southcentral.edu/Award/dip3517.html</a>   |
| Machine Tool Technology Foundation             | South Central College             | Faribault / North Mankato  | No     | 32 credits  | 1 - 2 years                            | Diploma                  | No                              | No                  | <a href="https://southcentral.edu/Award/dip3519-2454.html">https://southcentral.edu/Award/dip3519-2454.html</a>   |
| Manufacturing Management in Quality Management | University of Minnesota Crookston | Crookston                  | Yes    | 120 credits | 4 years                                | Bachelors                | No                              | No                  | <a href="https://online.umn.edu/degrees-certificates/bachelor-manufacturing-management-quality-management">https://online.umn.edu/degrees-certificates/bachelor-manufacturing-management-quality-management</a>   |
| Manufacturing Production Technologies          | Ridgewater College                | Hutchinson                 | No     | 16 credits  | 1 semester                             | Certificate              | No                              | No                  | <a href="https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2893">https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2893</a>   |
| Nondestructive Testing Technology              | Ridgewater College                | Hutchinson                 | No     | 64 credits  | 2 years                                | Associates               | No                              | No                  | <a href="https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2843">https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2843</a>   |
| Nondestructive Testing Technology              | Ridgewater College                | Hutchinson                 | No     | 64 credits  | 2 years                                | Diploma                  | No                              | No                  | <a href="https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2842">https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2842</a>   |
| Production Technologist                        | Lake Superior College             | Duluth                     | No     | 8 credits   | 1 semester                             | Certificate              | No                              | No                  | <a href="https://degrees.lsc.edu/production-technologist/">https://degrees.lsc.edu/production-technologist/</a>   |
| Quality Assurance                              | Hennepin Technical College        | Brooklyn Park/Eden Prairie | No     | 16 credits  | 1 year                                 | Certificate              | Yes                             | No                  | <a href="http://hennepintechn.smartcatalogiq.com/en/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Machine-Tool-Technology">http://hennepintechn.smartcatalogiq.com/en/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Machine-Tool-Technology</a> |
| Quality Inspector                              | Anoka Technical College           | Anoka                      | No     | 30 credits  | 1 year                                 | Certificate              | Yes                             | No                  | <a href="http://www.anokatech.edu/-/media/Files/New-Web-Site-Files/Programs-and-Courses/Guidesheets/21-22/QUAL">http://www.anokatech.edu/-/media/Files/New-Web-Site-Files/Programs-and-Courses/Guidesheets/21-22/QUAL</a>   |
| Quality Management Systems                     | Minnesota State University        | Mankato                    | No     | 15 credits  | Less than 1 year                       | Graduate Certificate     | No                              | No                  | <a href="https://mankato.mnsu.edu/academics/academic-catalog/graduate/manufacturing-engineering-technology/quality-management-systems-gc/">https://mankato.mnsu.edu/academics/academic-catalog/graduate/manufacturing-engineering-technology/quality-management-systems-gc/</a>                                     |
| Quality Technician                             | Anoka Technical College           | Anoka                      | No     | 60 credits  | 2 years                                | Associates               | No                              | No                  | <a href="http://www.anokatech.edu/-/media/Files/New-Web-Site-Files/Programs-and-Courses/Guidesheets/21-22/QUAL">http://www.anokatech.edu/-/media/Files/New-Web-Site-Files/Programs-and-Courses/Guidesheets/21-22/QUAL</a>   |
| Quality Technician Certification (CQT)         | ASQ & South Central College       | On-line, Virtual           | Yes    | Non-Credit  | Varies                                 | Certificate              | Yes                             | No                  | <a href="https://asq.org/cert/quality-technician">https://asq.org/cert/quality-technician</a>   |
| Six Sigma Green Belt Certification             | Manufacturer's Alliance           | Golden Valley              | No     | Non-Credit  | More than one term, less than one year | Green Belt Certification | No                              | No                  | <a href="https://www.mfall.com/certification_programs/24">https://www.mfall.com/certification_programs/24</a>   |

**ADVANCED MANUFACTURING — Quality Assurance Food Safety**

| Program                    | Training Institution                         | Location    | Online | Credit      | Duration                  | Credential           | Has Participated in DTG Program | Competencies Mapped | URL   |
|----------------------------|--|-------------|--------|-------------|---------------------------|----------------------|---------------------------------|---------------------|---|
| Food Science               | Minnesota West Community & Technical College | Worthington | No     | 60 credits  | 2 years                   | Associates           | No                              | No                  | <a href="http://www.mnwest.edu/programs-courses/list/food-science-as">http://www.mnwest.edu/programs-courses/list/food-science-as</a>   |
| Food Science               | Normandale Community College                 | Bloomington | No     | 60 credits  | 2 years                   | Associates           | No                              | No                  | <a href="http://www.normandale.edu/catalog/programs-of-study/associate-of-science/food-science-(as)-60-credits">http://www.normandale.edu/catalog/programs-of-study/associate-of-science/food-science-(as)-60-credits</a>   |
| Food Science               | University of Minnesota                      | Minneapolis | No     | 120 credits | 4 years                   | Bachelors            | No                              | No                  | <a href="https://onestop2.umn.edu/pcas/viewCatalogProgram.do?programID=271">https://onestop2.umn.edu/pcas/viewCatalogProgram.do?programID=271</a>   |
| Food Science               | Riverland Community College                  | Austin      | Yes    | 16 credits  | Less than or up to 1 year | Certificate          | No                              | No                  | <a href="https://www.riverland.edu/academics/programs/food-science-cert/description/">https://www.riverland.edu/academics/programs/food-science-cert/description/</a>   |
| Food Science Concentration | Riverland Community College                  | Austin      | No     | 60 credits  | 2 years                   | Associates           | No                              | No                  | <a href="https://www.riverland.edu/academics/programs/food-science-concentration-aa/http://riverland.edu/academics/programs-food-science-concentration-aa-description/">https://www.riverland.edu/academics/programs/food-science-concentration-aa/http://riverland.edu/academics/programs-food-science-concentration-aa-description/</a> |
| Food Science Technology    | Minnesota State University Mankato           | Mankato     | No     | 120 credits | 4 years                   | Bachelors            | No                              | No                  | <a href="https://mankato.mnsu.edu/academics/academic-catalog/undergraduate/food-science-technology/food-science-technology-bs/">https://mankato.mnsu.edu/academics/academic-catalog/undergraduate/food-science-technology/food-science-technology-bs/</a>   |
| Food Science Technology    | Riverland Community College                  | Austin      | Yes    | 60 credits  | 2 years                   | Associates           | Yes                             | Partially           | <a href="https://www.riverland.edu/index.cfm/academics/programs/food-science-technology-as/description/">https://www.riverland.edu/index.cfm/academics/programs/food-science-technology-as/description/</a>   |
| Quality Management Systems | Minnesota State University                   | Mankato     | No     | 15 credits  | Less than or up to 1 year | Graduate Certificate | No                              | No                  | <a href="https://mankato.mnsu.edu/academics/academic-catalog/graduate/manufacturing-engineering-technology/quality-management-systems-gc/">https://mankato.mnsu.edu/academics/academic-catalog/graduate/manufacturing-engineering-technology/quality-management-systems-gc/</a>   |

**ADVANCED MANUFACTURING — Robotics Operator**

| Program  | Training Institution                      | Location                   | Online | Credit       | Duration         | Credential  | Has Participated in DTG Program | Competencies Mapped | URL   |
|--|---|----------------------------|--------|--------------|------------------|-------------|---------------------------------|---------------------|---|
| Advanced Machine Production Technologist               | Lake Superior College                     | Duluth                     | No     | 60 credits   | 2 years          | Associates  | No                              | No                  | <a href="https://degrees.lsc.edu/advanced-machine-production-technologist/">https://degrees.lsc.edu/advanced-machine-production-technologist/</a>   |
| Automated Systems and Robotics                         | Dunwoody College of Technology            | Minneapolis                | No     | 72 credits   | 2 years          | Associates  | No                              | No                  | <a href="https://catalog.dunwoody.edu/catalog-student-handbook/academic-programs/robotics-manufacturing/automated-systems-robotics-asro-aas/">https://catalog.dunwoody.edu/catalog-student-handbook/academic-programs/robotics-manufacturing/automated-systems-robotics-asro-aas/</a>                           |
| Automated Systems Technology                           | Pine Technical College                    | Pine City                  | No     | 33 credits   | 1-2 years        | Diploma     | No                              | No                  | <a href="https://www.pine.edu/programs/advanced-manufacturing-technology-programs/automated-systems-technology-diploma/automated-systems-">https://www.pine.edu/programs/advanced-manufacturing-technology-programs/automated-systems-technology-diploma/automated-systems-</a>                                 |
| Automation   | Northland Community and Technical College | East Grand Forks           | No     | 16.5 credits | Less than 1 year | Certificate | No                              | No                  | <a href="http://www.northlandcollege.edu/programs/manufacturing/program_detail.php?program_code=360#requirements">http://www.northlandcollege.edu/programs/manufacturing/program_detail.php?program_code=360#requirements</a>   |
| Automation and Robotics Systems Engineering Technology | Ridgewater College                        | Hutchinson                 | No     | 67 credits   | 2 years          | Associates  | No                              | No                  | <a href="https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2888">https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2888</a>   |
| Automation and Robotics Systems Technology             | Ridgewater College                        | Hutchinson                 | No     | 64 credits   | 2 years          | Diploma     | No                              | No                  | <a href="https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2889">https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2889</a>   |
| Automation Machinery Systems                           | Hennepin Technical College                | Eden Prairie               | No     | 60 credits   | 2 years          | Associates  | No                              | No                  | <a href="https://www.hennepintech.edu/documents/academic-programs/manufacturing-engineering/ARET/AutomatedMachinerySystems-">https://www.hennepintech.edu/documents/academic-programs/manufacturing-engineering/ARET/AutomatedMachinerySystems-</a>   |
| Automation Robotics Engineering Technology             | Hennepin Technical College                | Eden Prairie               | No     | 60 credits   | 2 years          | Associates  | No                              | No                  | <a href="http://www.hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Automation-Robotics-">http://www.hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Automation-Robotics-</a>   |
| Automation Technologies                                | Hennepin Technical College                | Brooklyn Park/Eden Prairie | No     | 30 credits   | 1 year           | Certificate | No                              | No                  | <a href="https://www.hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Automation-Robotics-">https://www.hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Automation-Robotics-</a> |
| Automation Technologies                                | Northwest Technical College               | Bemidji                    | No     | 30 credits   | 2 years          | Certificate | No                              | No                  | <a href="https://www.ntcmn.edu/career-paths/manufacturing-technologies/automation-technologies/degrees-credentials/certificate-automation-technologies/">https://www.ntcmn.edu/career-paths/manufacturing-technologies/automation-technologies/degrees-credentials/certificate-automation-technologies/</a>     |
| Biomedical Equipment Technician                        | Anoka Technical College                   | Anoka                      | No     | 72 credits   | 2 years          | Associates  | No                              | No                  | <a href="http://www.anokatech.edu/-/media/Files/New-Web-Site-Files/Programs-and-Courses/Guidesheets/21-22/BMET-">http://www.anokatech.edu/-/media/Files/New-Web-Site-Files/Programs-and-Courses/Guidesheets/21-22/BMET-</a>   |
| Electronic Technology                                  | Anoka Technical College                   | Anoka                      | No     | 32 credits   | 1 year           | Diploma     | No                              | No                  | <a href="http://www.anokatech.edu/-/media/Files/New-Web-Site-Files/Programs-and-Courses/Guidesheets/21-22/ETEC-">http://www.anokatech.edu/-/media/Files/New-Web-Site-Files/Programs-and-Courses/Guidesheets/21-22/ETEC-</a>   |
| Industrial Controls                                    | Dunwoody College of Technology            | Minneapolis                | No     | 23 credits   | 1 year           | Certificate | No                              | No                  | <a href="https://catalog.dunwoody.edu/catalog-student-handbook/academic-programs/robotics-manufacturing/industrial-controls-robotics-icon-">https://catalog.dunwoody.edu/catalog-student-handbook/academic-programs/robotics-manufacturing/industrial-controls-robotics-icon-</a>                               |
| Industrial Controls and Robotics                       | Dunwoody College of Technology            | Minneapolis                | No     | 60 credits   | 2 years          | Associates  | No                              | No                  | <a href="https://catalog.dunwoody.edu/catalog-student-handbook/academic-programs/robotics-manufacturing/industrial-controls-robotics-icon-aas/">https://catalog.dunwoody.edu/catalog-student-handbook/academic-programs/robotics-manufacturing/industrial-controls-robotics-icon-aas/</a>                       |
| Industrial Technician                                  | Pine Technical College                    | Pine City                  | No     | 60 credits   | 2 years          | Associates  | No                              | No                  | <a href="https://www.pine.edu/programs/advanced-manufacturing-technology-programs/automated-systems-technology-industrial/automated-systems-">https://www.pine.edu/programs/advanced-manufacturing-technology-programs/automated-systems-technology-industrial/automated-systems-</a>                           |
| Instrumentation & Process Control                      | St. Cloud Technical and Community College | St. Cloud                  | No     | 60 credits   | 2 years          | Associates  | No                              | No                  | <a href="https://www.sctcc.edu/degrees-programs/energy-electronics/instrumentation-process-control-aas-60-credits">https://www.sctcc.edu/degrees-programs/energy-electronics/instrumentation-process-control-aas-60-credits</a>   |
| Manufacturing Production Technologies                  | Ridgewater College                        | Hutchinson                 | No     | 16 credits   | 1 semester       | Certificate | No                              | No                  | <a href="https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2893">https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2893</a>   |

**ADVANCED MANUFACTURING — Robotics Operator**

| Program  | Training Institution                      | Location                   | Online | Credit     | Duration         | Credential  | Has Participated in DTG Program | Competencies Mapped | URL   |
|--|---|----------------------------|--------|------------|------------------|-------------|---------------------------------|---------------------|---|
| Process Controls Technician                          | Ridgewater College                        | Hutchinson                 | No     | 60 credits | 2 years          | Associates  | No                              | No                  | <a href="https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2890">https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2890</a>   |
| Process Controls Technician                          | Ridgewater College                        | Hutchinson                 | No     | 51 credits | 3 semesters      | Diploma     | No                              | No                  | <a href="https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2892">https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2892</a>   |
| Process Controls Technician                          | Ridgewater College                        | Hutchinson                 | No     | 30 credits | 2 semesters      | Certificate | No                              | No                  | <a href="https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2891">https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2891</a>   |
| Production Technologies                              | Hennepin Technical College                | Brooklyn Park/Eden Prairie | No     | 16 credits | Less than 1 year | Certificate | No                              | No                  | <a href="https://hennepintech.smartcatalogiq.com/en/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Automation-Robotics-">https://hennepintech.smartcatalogiq.com/en/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Automation-Robotics-</a> |
| Production Technologist                              | Lake Superior College                     | Duluth                     | No     | 8 credits  | Less than 1 year | Certificate | No                              | No                  | <a href="https://degrees.lsc.edu/production-technologist/">https://degrees.lsc.edu/production-technologist/</a>   |
| Robotic and Electronic Engineering Technology        | Anoka Technical College                   | Anoka                      | No     | 72 credits | 2 years          | Associates  | Yes                             | No                  | <a href="http://www.anokatech.edu/-/media/Files/New-Web-Site-Files/Programs-and-Courses/Guidesheets/21-22/ETEC-">http://www.anokatech.edu/-/media/Files/New-Web-Site-Files/Programs-and-Courses/Guidesheets/21-22/ETEC-</a>   |
| Robotic Human Machine Interface Advanced Certificate | Central Lakes College                     | Brainerd                   | No     | 10 credits | Less than 1 year | Certificate | No                              | No                  | <a href="http://www.clcmn.edu/robotic-human-machine-interface-advanced-certificate/">http://www.clcmn.edu/robotic-human-machine-interface-advanced-certificate/</a>   |
| Robotic Offline Programming Advanced Certificate     | Central Lakes College                     | Brainerd                   | No     | 9 credits  | Less than 1 year | Certificate | No                              | No                  | <a href="http://www.clcmn.edu/robotic-offline-programming-advanced-certificate/">http://www.clcmn.edu/robotic-offline-programming-advanced-certificate/</a>   |
| Robotics   | University of Minnesota - Twin Cities     | Twin Cities                | No     | 30 credits | 2 years          | Masters     | No                              | No                  | <a href="https://cse.umn.edu/mnri/ms-robotics-coursework">https://cse.umn.edu/mnri/ms-robotics-coursework</a>   |
| Robotics and Automated Systems Technology            | Central Lakes College                     | Brainerd                   | No     | 61 credits | 2 years          | Diploma     | No                              | No                  | <a href="http://www.clcmn.edu/roboticsautomated-systems-technology-diploma/">http://www.clcmn.edu/roboticsautomated-systems-technology-diploma/</a>   |
| Robotics and Automated Systems Technology            | Central Lakes College                     | Brainerd                   | No     | 70 credits | 2 years          | Associates  | No                              | No                  | <a href="http://www.clcmn.edu/robotics-automated-systems-technology-a-a-s-degree/">http://www.clcmn.edu/robotics-automated-systems-technology-a-a-s-degree/</a>   |
| Robotics and Automation Technology                   | St. Cloud Technical and Community College | St. Cloud                  | No     | 60 credits | 2 years          | Associates  | No                              | No                  | <a href="https://www.sctcc.edu/degrees-programs/energy-electronics/robotics-and-automation-technology-aas-60-credits">https://www.sctcc.edu/degrees-programs/energy-electronics/robotics-and-automation-technology-aas-60-credits</a>   |
| Robotics Manufacturing                               | Central Lakes College                     | Brainerd                   | No     | 18 credits | 1 year           | Certificate | No                              | No                  | <a href="http://www.clcmn.edu/robotic-manufacturing-certificate/">http://www.clcmn.edu/robotic-manufacturing-certificate/</a>   |
| Robotics Vision Advanced Certificate                 | Central Lakes College                     | Brainerd                   | No     | 9 credits  | Less than 1 year | Certificate | No                              | No                  | <a href="http://www.clcmn.edu/robotic-vision-advanced-certificate/">http://www.clcmn.edu/robotic-vision-advanced-certificate/</a>   |
| Supply Chain Technician                              | Hennepin Technical College                | Eden Prairie               | No     | 29 credits | 1 year           | Diploma     | No                              | No                  | <a href="http://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Automation-Robotics-">http://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Automation-Robotics-</a>         |

**ADVANCED MANUFACTURING — Safety Technician**

| Program                                 | Training Institution    | Location    | Online | Credit     | Duration  | Credential | Has Participated in DTG Program | Competencies Mapped | URL   |
|---|-------------------------|-------------|--------|------------|-----------|------------|---------------------------------|---------------------|---|
| Industrial Hygiene                      | University of Minnesota | Twin Cities | No     | 52 credits | 2-3 years | Masters    | No                              | No                  | <a href="http://www.mcohs.umn.edu/ih-degrees/">http://www.mcohs.umn.edu/ih-degrees/</a>                                     |
| Master of Environmental Health & Safety | University of Minnesota | Duluth      | No     | 36 credits | 2 years   | Masters    | No                              | No                  | <a href="https://scse.d.umn.edu/graduate-programs/health-safety">https://scse.d.umn.edu/graduate-programs/health-safety</a> |

**ADVANCED MANUFACTURING — Solderer**

| Program                | Training Institution       | Location               | Online | Credit     | Duration   | Credential  | Has Participated in DTG Program | Competencies Mapped | URL   |
|------------------------|----------------------------|------------------------|--------|------------|------------|-------------|---------------------------------|---------------------|---|
| Electronics Technician | Hennepin Technical College | Brooklyn Park          | No     | 16 credits | 1 semester | Certificate | No                              | No                  | <a href="http://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Electronics-">http://hennepintech.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Electronics-</a> |
| Solderer Training      | BEST                       | Mobile Training Center | No     | No         | Varies     | Certificate | No                              | No                  | <a href="https://www.solder.net/solder-training-minneapolis/">https://www.solder.net/solder-training-minneapolis/</a>   |



ADVANCED MANUFACTURING — Welder

| Program                             | Training Institution   | Location                 | Online | Credit     | Duration         | Credential      | Has Participated in DTG Program | Competencies Mapped | URL   |
|-------------------------------------|--|--------------------------|--------|------------|------------------|-----------------|---------------------------------|---------------------|---|
| Advanced Welding Technologist       | <a href="#">Lake Superior College</a>                            | Duluth                   | No     | 60 credits | 2 years          | Associates      | No                              | No                  | <a href="https://degrees.lsc.edu/wp-content/uploads/Welding-AAS.pdf">https://degrees.lsc.edu/wp-content/uploads/Welding-AAS.pdf</a>   |
| Basic Welding                       | Anoka Technical College  | Anoka                    | No     | 17 credits | Less than 1 year | Certificate     | No                              | No                  | <a href="https://www.anokatech.edu/-/media/Files/new-Web-Site-Files/Programs-and-Courses/Guidesheets/21-22/BASIC-">https://www.anokatech.edu/-/media/Files/new-Web-Site-Files/Programs-and-Courses/Guidesheets/21-22/BASIC-</a>   |
| Basic Welding                       | <a href="#">Century College</a>                                  | White Bear Lake          | No     | 16 credits | 1 semester       | Certificate     | No                              | No                  | <a href="http://catalog.century.edu/preview_program.php?catoid=11&amp;pooid=2454&amp;returnto=554">http://catalog.century.edu/preview_program.php?catoid=11&amp;pooid=2454&amp;returnto=554</a>   |
| Gas Tungsten Arc Welding Production | <a href="#">Lake Superior College</a>                            | Duluth                   | No     | 18 credits | 1 semester       | Certificate     | No                              | No                  | <a href="https://degrees.lsc.edu/wp-content/uploads/Gas-Tungsten-Certificate.pdf">https://degrees.lsc.edu/wp-content/uploads/Gas-Tungsten-Certificate.pdf</a>   |
| GMAW Production Welder (MIG)        | <a href="#">Hennepin Technical College</a>                       | Brooklyn Park            | No     | 16 credits | 1 year           | Certificate     | Yes                             | No                  | <a href="http://hennepintechn.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Welding-Metal-">http://hennepintechn.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Welding-Metal-</a>       |
| GTAW Production Welder (TIG)        | <a href="#">Hennepin Technical College</a>                       | Brooklyn Park            | No     | 16 credits | 1 year           | Certificate     | Yes                             | No                  | <a href="http://hennepintechn.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Welding-Metal-">http://hennepintechn.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Welding-Metal-</a>       |
| Robotic Advanced Welding            | Central Lakes College  | Brainerd                 | No     | 12 credits | Less than 1 year | Certificate     | No                              | No                  | <a href="http://www.clcmn.edu/robotic-welding-advanced-certificate/">http://www.clcmn.edu/robotic-welding-advanced-certificate/</a>   |
| Robotic and Laser Welding           | Anoka Technical College  | Anoka                    | No     | 18 credits | Less than 1 year | Certificate     | No                              | No                  | <a href="https://www.anokatech.edu/-/media/Files/new-Web-Site-Files/Programs-and-Courses/Guidesheets/21-22/ROBOT-">https://www.anokatech.edu/-/media/Files/new-Web-Site-Files/Programs-and-Courses/Guidesheets/21-22/ROBOT-</a>   |
| Robotic Arc Welding                 | <a href="#">Hennepin Technical College</a>                       | Brooklyn Park            | No     | 19 credits | 1 year           | Certificate     | No                              | No                  | <a href="http://hennepintechn.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Welding-Metal-">http://hennepintechn.smartcatalogiq.com/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Welding-Metal-</a>       |
| Robotic Welding                     | <a href="#">Saint Paul College</a>                               | St. Paul                 | No     | 17 credits | Less than 1 year | Certificate     | No                              | No                  | <a href="https://www.saintpaul.edu/programs/ProgramGuides/RoboticWeldingCertificate.pdf">https://www.saintpaul.edu/programs/ProgramGuides/RoboticWeldingCertificate.pdf</a>   |
| Robotic Welding                     | Central Lakes College  | Brainerd                 | No     | 16 credits | 1 semester       | Certificate     | No                              | No                  | <a href="http://www.clcmn.edu/robotic-welding-certificate-2/">http://www.clcmn.edu/robotic-welding-certificate-2/</a>   |
| Robotics and Laser Welding          | Anoka Technical College  | Anoka                    | No     | 67 credits | 2 years          | Associates      | No                              | No                  | <a href="https://www.anokatech.edu/-/media/Files/new-Web-Site-Files/Programs-and-Courses/Guidesheets/21-22/ROBOT-">https://www.anokatech.edu/-/media/Files/new-Web-Site-Files/Programs-and-Courses/Guidesheets/21-22/ROBOT-</a>   |
| Welding                             | Alexandria Technical and Community College                       | On site                  | No     | Non-credit | Less than 1 year | AWS Certificate | Yes                             | No                  | <a href="https://www.alextech.edu/customized-training/about-customized-training-center">https://www.alextech.edu/customized-training/about-customized-training-center</a>   |
| Welding                             | <a href="#">Hennepin Technical College</a>                       | Brooklyn Park            | No     | 55 credits | 2 years          | Diploma         | Yes                             | No                  | <a href="http://hennepintechn.smartcatalogiq.com/en/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Welding-Metal-">http://hennepintechn.smartcatalogiq.com/en/2021-2022/Catalog/Degrees-and-Programs/Manufacturing-and-Engineering-Technology/Welding-Metal-</a> |
| Welding                             | Lynnes Welding Training  | Fargo, ND and Ramsey, MN | No     | Non-credit | Less than 1 year | AWS Certificate | No                              | No                  | <a href="https://learntoweld.com/specialty-courses/">https://learntoweld.com/specialty-courses/</a>   |
| Welding                             | Minnesota State Community & Technical College                    | On site                  | No     | Non-credit | Less than 1 year | AWS Certificate | Yes                             | No                  | <a href="https://www.minnesota.edu/workforce-development-solutions/mechanical-and-technical">https://www.minnesota.edu/workforce-development-solutions/mechanical-and-technical</a>   |
| Welding                             | <a href="#">Minnesota West Community &amp; Technical College</a> | Jackson                  | No     | 32 credits | 1 year           | Diploma         | No                              | No                  | <a href="http://www.mnwest.edu/programs-courses/list/welding-diploma">http://www.mnwest.edu/programs-courses/list/welding-diploma</a>   |

ADVANCED MANUFACTURING — Welder

|                                  |  |   |    |            |                  |                 |     |    |   |
|----------------------------------|--|---|----|------------|------------------|-----------------|-----|----|---|
| Welding                          | <a href="#">Minnesota West Community &amp; Technical College</a> | Canby, Granite Falls, Jackson, Pipestone, Worthington | No | 16 credits | 1 semester       | Certificate     | No  | No | <a href="http://www.mnwest.edu/programs-courses/list/welding_certificate">http://www.mnwest.edu/programs-courses/list/welding_certificate</a>   |
| Welding                          | <a href="#">Ridgewater College</a>                               | Hutchinson/Willmar                                    | No | 72 credits | 2 years          | Associates      | No  | No | <a href="https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2931">https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2931</a>   |
| Welding                          | <a href="#">Ridgewater College</a>                               | Hutchinson/Willmar                                    | No | 64 credits | 2 years          | Diploma         | No  | No | <a href="https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2932">https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2932</a>   |
| Welding                          | <a href="#">Ridgewater College</a>                               | Hutchinson/Willmar                                    | No | 32 credits | 1 year           | Diploma         | No  | No | <a href="https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2933">https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2933</a>   |
| Welding                          | <a href="#">Ridgewater College</a>                               | Hutchinson/Willmar                                    | No | 16 credits | 1 semester       | Certificate     | No  | No | <a href="https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2934">https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2934</a>   |
| Welding                          | Riverland College  | On site   | No | Non-credit | Less than 1 year | AWS Certificate | Yes | No | <a href="https://www.riverland.edu/customized-training/explore-courses/trade-and-industry/">https://www.riverland.edu/customized-training/explore-courses/trade-and-industry/</a>   |
| Welding                          | <a href="#">Rochester Community and Technical College</a>        | Rochester   | No | 17 credits | Less than 1 year | Certificate     | No  | No | <a href="https://www.rctc.edu/program/welding/">https://www.rctc.edu/program/welding/</a>   |
| Welding                          | <a href="#">South Central College</a>                            | Faribault / North Mankato                             | No | 16 credits | Less than 1 year | Certificate     | No  | No | <a href="https://southcentral.edu/Award/cert3660.html">https://southcentral.edu/Award/cert3660.html</a>   |
| Welding                          | Anoka Technical College  | Anoka   | No | 66 credits | 2 years          | Associates      | No  | No | <a href="https://www.anokatech.edu/-/media/Files/new-Web-Site-Files/Programs-and-Courses/Guidesheets/21-22/WELD-">https://www.anokatech.edu/-/media/Files/new-Web-Site-Files/Programs-and-Courses/Guidesheets/21-22/WELD-</a>   |
| Welding                          | <a href="#">Lake Superior College</a>                            | Duluth  | No | 65 credits | 2 years          | Diploma         | Yes | No | <a href="https://degrees.lsc.edu/welding-diploma/">https://degrees.lsc.edu/welding-diploma/</a>   |
| Welding                          | <a href="#">Lake Superior College</a>                            | Duluth  | No | 24 credits | 1 year           | Certificate     | No  | No | <a href="https://degrees.lsc.edu/welding-certificate/">https://degrees.lsc.edu/welding-certificate/</a>   |
| Welding & Metal Fabrication      | <a href="#">Dunwoody College of Technology</a>                   | Minneapolis   | No | 72 credits | 2 years          | Associates      | No  | No | <a href="https://catalog.dunwoody.edu/catalog-student-handbook/academic-programs/robotics-manufacturing/welding-metal-fabrication-wmet-aas/">https://catalog.dunwoody.edu/catalog-student-handbook/academic-programs/robotics-manufacturing/welding-metal-fabrication-wmet-aas/</a>   |
| Welding and Fabrication          | Central Lakes College  | Brainerd  | No | 60 credits | 2 years          | Associates      | No  | No | <a href="http://www.clcmn.edu/welding-and-fabrication-a-a-s-degree-2/">http://www.clcmn.edu/welding-and-fabrication-a-a-s-degree-2/</a>   |
| Welding and Fabrication          | Central Lakes College  | Brainerd  | No | 45 credits | 1-2 years        | Diploma         | No  | No | <a href="http://www.clcmn.edu/welding-and-fabrication-diploma-2/">http://www.clcmn.edu/welding-and-fabrication-diploma-2/</a>   |
| Welding and Machining Technology | <a href="#">South Central College</a>                            | Faribault / North Mankato                             | No | 33 credits | 1 year           | Diploma         | Yes | No | <a href="http://southcentral.edu/Award/dip3525-2263.html">http://southcentral.edu/Award/dip3525-2263.html</a>   |
| Welding and Metal Fabrication    | <a href="#">Minneapolis Community and Technical College</a>      | Minneapolis   | No | 60 credits | 2 years          | Associates      | No  | No | <a href="https://mctc.decisionacademic.com/Catalog/viewCatalog.aspx?pageid=viewcatalog&amp;topicgroup=2320&amp;topicid=3052&amp;loadusercredits=True&amp; ga=2.252238985.18319848">https://mctc.decisionacademic.com/Catalog/viewCatalog.aspx?pageid=viewcatalog&amp;topicgroup=2320&amp;topicid=3052&amp;loadusercredits=True&amp; ga=2.252238985.18319848</a> |
| Welding and Metal Fabrication    | <a href="#">Minneapolis Community and Technical College</a>      | Minneapolis   | No | 30 credits | 2 years          | Certificate     | No  | No | <a href="https://mctc.decisionacademic.com/Catalog/viewCatalog.aspx?pageid=viewcatalog&amp;topicgroup=2320&amp;topicid=3051&amp;loadusercredits=True&amp; ga=2.89682459.183198487">https://mctc.decisionacademic.com/Catalog/viewCatalog.aspx?pageid=viewcatalog&amp;topicgroup=2320&amp;topicid=3051&amp;loadusercredits=True&amp; ga=2.89682459.183198487</a> |
| Welding Fabricator               | Anoka Technical College  | Anoka   | No | 17 credits | Less than 1 year | Certificate     | No  | No | <a href="https://www.anokatech.edu/-/media/Files/new-Web-Site-Files/Programs-and-Courses/Guidesheets/21-22/FAB-">https://www.anokatech.edu/-/media/Files/new-Web-Site-Files/Programs-and-Courses/Guidesheets/21-22/FAB-</a>   |

**ADVANCED MANUFACTURING — Welder**

|                                    |   |                          |     |               |                  |             |     |     |   |
|------------------------------------|---|--------------------------|-----|---------------|------------------|-------------|-----|-----|---|
| Welding Process Technology         | <a href="#">Northland College</a>                         | Thief River Falls        | No  | 34 credits    | 1 year           | Diploma     | No  | No  | <a href="http://www.northlandcollege.edu/programs/welding_technology/program_detail.php?program_code=603">http://www.northlandcollege.edu/programs/welding_technology/program_detail.php?program_code=603</a>   |
| Welding Process Technology<br>GMAW | <a href="#">Northland College</a>                         | Thief River Falls        | No  | 10 credits    | Less than 1 year | Certificate | No  | No  | <a href="http://www.northlandcollege.edu/programs/welding_technology/program_detail.php?program_code=608">http://www.northlandcollege.edu/programs/welding_technology/program_detail.php?program_code=608</a>   |
| Welding Process Technology<br>GTAW | <a href="#">Northland College</a>                         | Thief River Falls        | No  | 9 credits     | Less than 1 year | Certificate | No  | No  | <a href="http://www.northlandcollege.edu/programs/welding_technology/program_detail.php?program_code=609">http://www.northlandcollege.edu/programs/welding_technology/program_detail.php?program_code=609</a>   |
| Welding Process Technology<br>SMAW | <a href="#">Northland College</a>                         | Thief River Falls        | No  | 12.25 credits | Less than 1 year | Certificate | No  | No  | <a href="http://www.northlandcollege.edu/programs/welding_technology/program_detail.php?program_code=607">http://www.northlandcollege.edu/programs/welding_technology/program_detail.php?program_code=607</a>   |
| Welding Technologist               | <a href="#">Lake Superior College</a>                     | Duluth                   | No  | 32 credits    | 1 year           | Diploma     | No  | No  | <a href="https://degrees.lsc.edu/wp-content/uploads/Welding-Technologist-Diploma-32-credits-2.pdf">https://degrees.lsc.edu/wp-content/uploads/Welding-Technologist-Diploma-32-credits-2.pdf</a>   |
| Welding Technology                 | Alexandria Technical and Community College                | Alexandria               | No  | 44 credits    | 1.5 years        | Diploma     | No  | No  | <a href="https://www.alextech.edu/programs/welding-technology/curriculum">https://www.alextech.edu/programs/welding-technology/curriculum</a>   |
| Welding Technology                 | Anoka Technical College                                   | Anoka                    | No  | 34 credits    | 1 year           | Diploma     | No  | No  | <a href="https://www.anokatech.edu/-/media/Files/new-web-Site-Files/Programs-and-Courses/Guidesheets/21-22/WELD-22/WELD-22">https://www.anokatech.edu/-/media/Files/new-web-Site-Files/Programs-and-Courses/Guidesheets/21-22/WELD-22/WELD-22</a>                           |
| Welding Technology                 | <a href="#">Dakota County Technical College</a>           | Rosemount                | No  | 36 credits    | 1 year           | Diploma     | No  | No  | <a href="https://www.dctc.edu/academics/programs-majors/construction-manufacturing/welding-technology/welding-technology-diploma/">https://www.dctc.edu/academics/programs-majors/construction-manufacturing/welding-technology/welding-technology-diploma/</a>             |
| Welding Technology                 | <a href="#">Dunwoody College of Technology</a>            | Minneapolis              | No  | 32 credits    | 1 year           | Certificate | No  | No  | <a href="https://catalog.dunwoody.edu/catalog-student-handbook/academic-programs/robotics-manufacturing/welding-technology-certificate/">https://catalog.dunwoody.edu/catalog-student-handbook/academic-programs/robotics-manufacturing/welding-technology-certificate/</a> |
| Welding Technology                 | <a href="#">Minnesota State College Southeast</a>         | Winona                   | No  | 34 credits    | 1 year           | Diploma     | No  | No  | <a href="http://www.southeastmn.edu/academic_programs/program/default.aspx?pid=48">http://www.southeastmn.edu/academic_programs/program/default.aspx?pid=48</a>   |
| Welding Technology                 | <a href="#">Northland College</a>                         | East Grand Forks, Online | Yes | 30 credits    | 1 year           | Certificate | No  | No  | <a href="http://www.northlandcollege.edu/programs/manufacturing_online/program_detail.php?program_code=COI4">http://www.northlandcollege.edu/programs/manufacturing_online/program_detail.php?program_code=COI4</a>   |
| Welding Technology                 | <a href="#">Northland College</a>                         | East Grand Forks         | No  | 36 credits    | 1 year           | Diploma     | No  | No  | <a href="http://www.northlandcollege.edu/programs/welding_technology/program_detail.php?program_code=600">http://www.northlandcollege.edu/programs/welding_technology/program_detail.php?program_code=600</a>   |
| Welding Technology                 | <a href="#">Pine Technical &amp; Community College</a>    | Pine City                | No  | 33 credits    | 1 year           | Diploma     | No  | No  | <a href="http://pine.edu/programs/advanced-manufacturing-technology-programs/welding/">http://pine.edu/programs/advanced-manufacturing-technology-programs/welding/</a>   |
| Welding Technology                 | <a href="#">Saint Paul College</a>                        | St. Paul                 | No  | 48 credits    | 2 years          | Diploma     | No  | No  | <a href="https://www.saintpaul.edu/programs/ProgramGuides/WeldingTechnologyDiploma.pdf">https://www.saintpaul.edu/programs/ProgramGuides/WeldingTechnologyDiploma.pdf</a>   |
| Welding Technology -<br>Advanced   | <a href="#">Mesabi Range College</a>                      | Eveleth                  | No  | 33 credits    | 2 years          | Diploma     | No  | No  | <a href="https://www.mesabirange.edu/programs/welding-technology/">https://www.mesabirange.edu/programs/welding-technology/</a>   |
| Welding Technology -<br>Entry      | <a href="#">Mesabi Range College</a>                      | Eveleth                  | No  | 65 credits    | 2 years          | Diploma     | No  | No  | <a href="http://www.mesabirange.edu/programs/welding-technology/">http://www.mesabirange.edu/programs/welding-technology/</a>   |
| Welding/Fabrication Diploma        | <a href="#">St. Cloud Technical and Community College</a> | St. Cloud                | No  | 37 credits    | 1 year           | Diploma     | Yes | Yes | <a href="https://www.sctcc.edu/degrees-programs/weldingfabrication/weldingfabrication-diploma-37-credits">https://www.sctcc.edu/degrees-programs/weldingfabrication/weldingfabrication-diploma-37-credits</a>   |

**AGRICULTURE — Agriculture Equipment Mechanic**

| Program   | Training Institution                          | Location      | Online | Credit     | Duration  | Credential        | Has Participated in DTG Program | Competencies Mapped | URL   |
|---|---|---------------|--------|------------|-----------|-------------------|---------------------------------|---------------------|---|
| Agribusiness Service Technician                   | South Central College                         | North Mankato | No     | 72 credits | 2 years   | Diploma           | Yes                             | No                  | <a href="https://southcentral.edu/Award/dip3128.html">https://southcentral.edu/Award/dip3128.html</a>   |
| Agribusiness Service Technician - Applied Science | South Central College                         | North Mankato | No     | 72 credits | 2 years   | Associates Degree | No                              | No                  | <a href="https://southcentral.edu/Award/aas3127.html">https://southcentral.edu/Award/aas3127.html</a>   |
| Agribusiness Technician                           | South Central College                         | North Mankato | No     | 37 credits | 1 year    | Diploma           | No                              | No                  | <a href="https://southcentral.edu/Award/dip3147.html">https://southcentral.edu/Award/dip3147.html</a>   |
| Agribusiness Technician's Aide                    | South Central College                         | North Mankato | No     | 35 credits | 1 year    | Diploma           | No                              | No                  | <a href="https://southcentral.edu/Award/dip3146.html">https://southcentral.edu/Award/dip3146.html</a>   |
| Agriculture Power and Equipment Technician        | Ridgewater College                            | Willmar       | No     | 72 credits | 2 years   | Diploma           | No                              | No                  | <a href="https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2879">https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2879</a>   |
| Diesel and Heavy Equipment Technician             | Central Lakes College                         | Staples       | No     | 47 credits | 1-2 years | Diploma           | No                              | No                  | <a href="http://www.clcmn.edu/diesel-equipment-technician-diploma-2/">http://www.clcmn.edu/diesel-equipment-technician-diploma-2/</a>   |
| Diesel and Heavy Equipment Technology             | Central Lakes College                         | Staples       | No     | 67 credits | 2 years   | Associates Degree | No                              | No                  | <a href="http://www.clcmn.edu/diesel-equipment-technician-a-a-s-degree-2/#1506450675710-ff4b29f9-8122a5c3-e10f31d5-30e7168c-ba6e8221-56dfdf14-e178">http://www.clcmn.edu/diesel-equipment-technician-a-a-s-degree-2/#1506450675710-ff4b29f9-8122a5c3-e10f31d5-30e7168c-ba6e8221-56dfdf14-e178</a> |
| Diesel Equipment Technology                       | Minnesota State Community & Technical College | Moorhead      | No     | 65 credits | 2 years   | Diploma           | No                              | No                  | <a href="https://www.minnesota.edu/degrees/210">https://www.minnesota.edu/degrees/210</a>   |
| Diesel Equipment Technology                       | Minnesota State Community & Technical College | Moorhead      | No     | 79 credits | 2 years   | Associates Degree | No                              | No                  | <a href="https://www.minnesota.edu/degrees/205">https://www.minnesota.edu/degrees/205</a>   |
| Diesel Mechanics                                  | Alexandria Technical College                  | Alexandria    | No     | 66 credits | 2 years   | Diploma           | No                              | No                  | <a href="https://www.alextech.edu/programs/diesel-mechanics/curriculum#diploma">https://www.alextech.edu/programs/diesel-mechanics/curriculum#diploma</a>   |
| Diesel Mechanics                                  | Alexandria Technical College                  | Alexandria    | No     | 75 credits | 2 years   | Associates Degree | No                              | No                  | <a href="https://www.alextech.edu/programs/diesel-mechanics/curriculum#aas">https://www.alextech.edu/programs/diesel-mechanics/curriculum#aas</a>   |
| Diesel Mechanics                                  | Hibbing Community College                     | Hibbing       | No     | 67 credits | 2 years   | Diploma           | No                              | No                  | <a href="https://hibbing.edu/pdfs/diesel-diploma-program-plan.pdf">https://hibbing.edu/pdfs/diesel-diploma-program-plan.pdf</a>   |
| Diesel Mechanics                                  | Hibbing Community College                     | Hibbing       | No     | 75 credits | 2 years   | Associates Degree | No                              | No                  | <a href="https://hibbing.edu/pdfs/diesel-aas-75-cr-program-plan.pdf">https://hibbing.edu/pdfs/diesel-aas-75-cr-program-plan.pdf</a>   |
| Diesel Mechanics Ag & Truck                       | Minnesota West Community & Technical College  | Canby         | No     | 35 credits | 1 year    | Diploma           | No                              | No                  | <a href="https://www.mnwest.edu/programs-courses/list/diesel-mechanics-ag-a-truck-diploma">https://www.mnwest.edu/programs-courses/list/diesel-mechanics-ag-a-truck-diploma</a>   |
| Diesel Technician Ag & Truck                      | Minnesota West Community & Technical College  | Canby         | No     | 35 credits | 1 year    | Diploma           | No                              | No                  | <a href="https://www.mnwest.edu/programs-courses/list/diesel-technician-ag-a-truck-diploma">https://www.mnwest.edu/programs-courses/list/diesel-technician-ag-a-truck-diploma</a>   |
| Diesel Technology                                 | Riverland Community College                   | Albert Lea    | No     | 69 credits | 2 years   | Diploma           | No                              | No                  | <a href="https://www.riverland.edu/index.cfm/academics/programs/diesel-technology-dip/description/">https://www.riverland.edu/index.cfm/academics/programs/diesel-technology-dip/description/</a>   |
| Heavy Duty Truck Technology                       | Dakota County Technical College               | Rosemount     | No     | 70 credits | 2 years   | Diploma           | No                              | No                  | <a href="https://www.dctc.edu/academics/programs-majors/transportation/heavy-duty-truck-technology/heavy-duty-truck-technology-diploma/">https://www.dctc.edu/academics/programs-majors/transportation/heavy-duty-truck-technology/heavy-duty-truck-technology-diploma/</a>                       |

AGRICULTURE — Agriculture Equipment Mechanic

| Program                                     | Training Institution                      | Location      | Online | Credit     | Duration  | Credential        | Has Participated in DTG Program | Competencies Mapped | URL   |
|---|---|---------------|--------|------------|-----------|-------------------|---------------------------------|---------------------|---|
| Heavy Duty Truck Technology                 | Dakota County Technical College           | Rosemount     | No     | 78 credits | 2 years   | Associates Degree | No                              | No                  | <a href="https://www.dctc.edu/academics/programs-majors/transportation/heavy-duty-truck-technology/heavy-duty-truck-technology-aas-degree/">https://www.dctc.edu/academics/programs-majors/transportation/heavy-duty-truck-technology/heavy-duty-truck-technology-aas-degree/</a> |
| Medium / Heavy Truck Maintenance Technician | Hennepin Technical College                | Brooklyn Park | No     | 43 credits | 1-2 years | Diploma           | No                              | No                  | <a href="http://hennepintech.smartcatalogiq.com/en/2021-2022/Catalog/Degrees-and-Programs/Transportation/Medium-Heavy-Truck-">http://hennepintech.smartcatalogiq.com/en/2021-2022/Catalog/Degrees-and-Programs/Transportation/Medium-Heavy-Truck-</a>                             |
| Medium / Heavy Truck Technician             | St. Cloud Technical and Community College | St. Cloud     | No     | 63 credits | 2 years   | Diploma           | No                              | No                  | <a href="https://www.sctcc.edu/degrees-programs/mediumheavy-truck-technician/mediumheavy-truck-technician-diploma-63-credits">https://www.sctcc.edu/degrees-programs/mediumheavy-truck-technician/mediumheavy-truck-technician-diploma-63-credits</a>                             |
| Medium/ Heavy Truck Drivetrain Technician   | Hennepin Technical College                | Brooklyn Park | No     | 44 credits | 1-2 years | Diploma           | No                              | No                  | <a href="http://hennepintech.smartcatalogiq.com/en/2021-2022/Catalog/Degrees-and-Programs/Transportation/Medium-Heavy-Truck-">http://hennepintech.smartcatalogiq.com/en/2021-2022/Catalog/Degrees-and-Programs/Transportation/Medium-Heavy-Truck-</a>                             |
| Medium/Heavy Truck Technician               | St. Cloud Technical and Community College | St. Cloud     | No     | 72 credits | 2 years   | Associates Degree | No                              | No                  | <a href="https://www.sctcc.edu/degrees-programs/mediumheavy-truck-technician/mediumheavy-truck-technician-aas-72-credits">https://www.sctcc.edu/degrees-programs/mediumheavy-truck-technician/mediumheavy-truck-technician-aas-72-credits</a>                                     |
| Medium/Heavy Truck Technology               | Hennepin Technical College                | Brooklyn Park | No     | 79 credits | 2-3 years | Associates Degree | No                              | No                  | <a href="http://hennepintech.smartcatalogiq.com/en/2021-2022/Catalog/Degrees-and-Programs/Transportation/Medium-Heavy-Truck-">http://hennepintech.smartcatalogiq.com/en/2021-2022/Catalog/Degrees-and-Programs/Transportation/Medium-Heavy-Truck-</a>                             |

**AGRICULTURE — Agronomist**

| Program                             | Training Institution                         | Location          | Online | Credit      | Duration         | Credential        | Has Participated in DTG Program | Competencies Mapped | URL   |
|-------------------------------------|--|-------------------|--------|-------------|------------------|-------------------|---------------------------------|---------------------|---|
| Advanced General Agriculture        | Northland Community College                  | Thief River Falls | No     | 30 credits  | 1-2 years        | Certificate       | No                              | No                  | <a href="http://www.northlandcollege.edu/programs/general_agriculture/program_detail.php?program_code=267">http://www.northlandcollege.edu/programs/general_agriculture/program_detail.php?program_code=267</a> |
| Agribusiness                        | Ridgewater College                           | Willmar           | No     | 72 credits  | 2 years          | Associates Degree | No                              | No                  | <a href="https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2756">https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2756</a>   |
| Agribusiness                        | Ridgewater College                           | Willmar           | No     | 72 credits  | 2 years          | Diploma           | No                              | No                  | <a href="https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2757">https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2757</a>   |
| Agribusiness                        | Riverland Community College                  | Austin            | No     | 19 credits  | Less than 1 year | Certificate       | No                              | No                  | <a href="https://www.riverland.edu/index.cfm/academics/programs/agribusiness-cert/description/">https://www.riverland.edu/index.cfm/academics/programs/agribusiness-cert/description/</a>                       |
| Agribusiness AgSpark Agronomy       | South Central College                        | North Mankato     | No     | 14 credits  | Less than 1 year | Certificate       | No                              | No                  | <a href="https://southcentral.edu/Award/cert3134.html">https://southcentral.edu/Award/cert3134.html</a>   |
| Agribusiness Service and Management | South Central College                        | North Mankato     | No     | 72 credits  | 2 years          | Associates Degree | No                              | No                  | <a href="https://southcentral.edu/Award/aas3150.html">https://southcentral.edu/Award/aas3150.html</a>   |
| Agribusiness Service and Management | South Central College                        | North Mankato     | No     | 72 credits  | 2 years          | Diploma           | No                              | No                  | <a href="https://southcentral.edu/Award/dip3151.html">https://southcentral.edu/Award/dip3151.html</a>   |
| Agricultural Solutions              | Southwest State University                   | Marshall          | No     | 120 credits | 4 years          | Bachelors Degree  | No                              | no                  | <a href="https://www.smsu.edu/catalog/?program=263">https://www.smsu.edu/catalog/?program=263</a>   |
| Agriculture Production              | Minnesota West Community & Technical College | Worthington       | No     | 72 credits  | 2 years          | Associates Degree | No                              | No                  | <a href="http://www.mnwest.edu/programs-courses/list/agriculture-production-aas">http://www.mnwest.edu/programs-courses/list/agriculture-production-aas</a>   |
| Agriculture Science                 | Central Lakes College                        | Brainerd/ Staples | No     | 60 credits  | 2 years          | Associates Degree | No                              | No                  | <a href="http://www.clcmn.edu/agricultural-science-a-s-degree/">http://www.clcmn.edu/agricultural-science-a-s-degree/</a>   |
| Agriculture Science & Technology    | Ridgewater College                           | Willmar           | No     | 60 credits  | 2 years          | Associates Degree | No                              | No                  | <a href="https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2878">https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2878</a>   |
| Agronomy                            | Southwest State University                   | Marshall          | No     | 120 credits | 4 years          | Bachelors Degree  | No                              | No                  | <a href="http://www.smsu.edu/catalog/index.html?program=48">http://www.smsu.edu/catalog/index.html?program=48</a>   |
| Agronomy                            | University of Minnesota Crookston            | Crookston         | No     | 120 credits | 4 years          | Bachelors Degree  | No                              | No                  | <a href="https://www.crk.umn.edu/academics/agriculture-and-natural-resources-department/agronomy">https://www.crk.umn.edu/academics/agriculture-and-natural-resources-department/agronomy</a>                   |
| Agronomy Technology                 | Ridgewater College                           | Willmar           | No     | 72 credits  | 2 years          | Diploma           | No                              | No                  | <a href="https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2848">https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2848</a>   |
| GPS/ GIS Technology for Agriculture | Ridgewater College                           | Willmar           | No     | 72 credits  | 2 years          | Associates Degree | No                              | No                  | <a href="https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2767">https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2767</a>   |
| GPS/ GIS Technology for Agriculture | Ridgewater College                           | Willmar           | No     | 72 credits  | 2 years          | Diploma           | No                              | No                  | <a href="https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2766">https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2766</a>   |
| Plant Science                       | University of Minnesota                      | St. Paul          | No     | 120 credits | 4 years          | Bachelors Degree  | No                              | No                  | <a href="https://www.cfans.umn.edu/academics/majors-minors/plant-science">https://www.cfans.umn.edu/academics/majors-minors/plant-science</a>   |

**AGRICULTURE — Agronomist**

| Program                       | Training Institution                         | Location    | Online | Credit     | Duration | Credential        | Has Participated in DTG Program | Competencies Mapped | URL   |
|-------------------------------|--|-------------|--------|------------|----------|-------------------|---------------------------------|---------------------|---|
| Plant Science GIS/ GPS        | Minnesota West Community & Technical College | Worthington | No     | 60 credits | 2 years  | Associates Degree | No                              | No                  | <a href="https://www.mnwest.edu/programs-courses/list/plant-science-gisgps-as">https://www.mnwest.edu/programs-courses/list/plant-science-gisgps-as</a>     |
| Precision Farming Certificate | Ridgewater College                           | Willmar     | No     | 19 credits | 1 year   | Certificate       | No                              | No                  | <a href="https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2765">https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2765</a> |

**AGRICULTURE — Application Technician**

| Program  | Training Institution                         | Location      | Online | Credit     | Duration     | Credential  | Has Participated in DTG Program | Competencies Mapped | URL   |
|--|--|---------------|--------|------------|--------------|-------------|---------------------------------|---------------------|---|
| Ag Chemical Applicator Technician Certificate            | South Central College                        | North Mankato | No     | 30 credits | 1-2 years    | Certificate | No                              | No                  | <a href="https://southcentral.edu/Award/cert3117b.html">https://southcentral.edu/Award/cert3117b.html</a>   |
| Agribusiness Ag Spark Agronomy Certificate               | South Central College                        | North Mankato | No     | 14 credits | Up to 1 year | Certificate | No                              | No                  | <a href="https://southcentral.edu/Award/cert3134.html">https://southcentral.edu/Award/cert3134.html</a>   |
| Agronomy Technology                                      | Ridgewater College                           | Willmar       | No     | 72 Credits | 2-3 years    | Diploma     | No                              | No                  | <a href="https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2848">https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2848</a>   |
| Precision Agriculture Application Technician Certificate | Minnesota West Community & Technical College | Worthington   | No     | 26 Credits | 1 year       | Certificate | No                              | No                  | <a href="http://www.mnwest.edu/programs-courses/list/precision-agriculture-application-technician-certificate">http://www.mnwest.edu/programs-courses/list/precision-agriculture-application-technician-certificate</a> |



**AGRICULTURE — Crop Farm Manager**

| Program                            | Training Institution                         | Location         | Online | Credit      | Duration  | Credential        | Has Participated in DTG Program | Competencies Mapped | URL   |
|------------------------------------|--|------------------|--------|-------------|-----------|-------------------|---------------------------------|---------------------|---|
| Agribusiness Management            | Southwest Minnesota State University         | Marshall         | No     | 60 credits  | 2 years   | Associates        | No                              | No                  | <a href="https://www.smsu.edu/catalog/?program=263">https://www.smsu.edu/catalog/?program=263</a>   |
| Agribusiness Management            | Southwest Minnesota State University         | Marshall         | No     | 120 credits | 4 years   | Bachelors         | No                              | No                  | <a href="https://www.smsu.edu/catalog/?program=263">https://www.smsu.edu/catalog/?program=263</a>   |
| Agribusiness Production            | South Central College                        | North Mankato    | No     | 72 credits  | 2 years   | Associates Degree | No                              | No                  | <a href="https://southcentral.edu/Award/aas3152.html">https://southcentral.edu/Award/aas3152.html</a>   |
| Agribusiness Production            | South Central College                        | North Mankato    | No     | 72 credits  | 2 years   | Diploma           | No                              | No                  | <a href="https://southcentral.edu/Award/dip3153.html">https://southcentral.edu/Award/dip3153.html</a>   |
| Agricultural Commodities Marketing | Minnesota West Community & Technical College | Worthington      | No     | 25 credits  | 1 year    | Certificate       | No                              | No                  | <a href="https://www.mnwest.edu/programs-courses/list/agricultural-commodities-marketing-certificate">https://www.mnwest.edu/programs-courses/list/agricultural-commodities-marketing-certificate</a>   |
| Agriculture Business               | Minnesota West Community & Technical College | Worthington      | No     | 60 credits  | 2 years   | Associates Degree | No                              | No                  | <a href="https://www.mnwest.edu/programs-courses/list/agriculture-business-as">https://www.mnwest.edu/programs-courses/list/agriculture-business-as</a>   |
| Agriculture Business               | Ridgewater College                           | Willmar          | No     | 72 credits  | 2 years   | Associates        | No                              | No                  | <a href="https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2756">https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2756</a>   |
| Agriculture Business               | Ridgewater College                           | Willmar          | No     | 72 credits  | 2 years   | Diploma           | No                              | No                  | <a href="https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2757">https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2757</a>   |
| Agriculture Business               | University of Minnesota - Crookston          | Crookston        | Yes    | 21 credits  | 1 year    | Certificate       | No                              | No                  | <a href="https://onestop2.umn.edu/pcas/viewCatalogProgram.do?programID=23961&amp;strm=&amp;campus=UMNCR">https://onestop2.umn.edu/pcas/viewCatalogProgram.do?programID=23961&amp;strm=&amp;campus=UMNCR</a>                                     |
| Agriculture Production             | Minnesota West Community & Technical College | Worthington      | No     | 72 credits  | 2 years   | Associates Degree | No                              | No                  | <a href="https://www.mnwest.edu/programs-courses/list/agriculture-production-aas">https://www.mnwest.edu/programs-courses/list/agriculture-production-aas</a>   |
| Agriculture Production             | Minnesota West Community & Technical College | Worthington      | No     | 64 credits  | 2 years   | Diploma           | No                              | No                  | <a href="https://www.mnwest.edu/programs-courses/list/agriculture-production-diploma">https://www.mnwest.edu/programs-courses/list/agriculture-production-diploma</a>   |
| Agriculture Production Management  | Minnesota West Community & Technical College | Worthington      | No     | 60 credits  | 2 years   | Associates Degree | No                              | No                  | <a href="https://www.mnwest.edu/programs-courses/list/agriculture-production-management-as">https://www.mnwest.edu/programs-courses/list/agriculture-production-management-as</a>   |
| Agriculture Sciences               | Riverland College                            | Austin           | No     | 60 credits  | 2 years   | Associates        | No                              | No                  | <a href="https://www.riverland.edu/academics/programs/agricultural-sciences-as/description/">https://www.riverland.edu/academics/programs/agricultural-sciences-as/description/</a>   |
| Applied Plant Sciences             | University of Minnesota                      | Saint Paul       | No     | 30 credits  | 1-2 years | Masters           | No                              | No                  | <a href="https://onestop2.umn.edu/pcas/viewCatalogProgram.do?programID=7097&amp;strm=1219&amp;campus=UMNTC">https://onestop2.umn.edu/pcas/viewCatalogProgram.do?programID=7097&amp;strm=1219&amp;campus=UMNTC</a>                               |
| Eco Entrepreneurship               | Lake Superior College                        | Duluth           | No     | 60 credits  | 2 years   | Associates Degree | No                              | No                  | <a href="https://degrees.lsc.edu/wp-content/uploads/Economics-Transfer-Pathway-1.pdf">https://degrees.lsc.edu/wp-content/uploads/Economics-Transfer-Pathway-1.pdf</a>   |
| Farm Operation and Management      | Northland Community & Technical College      | East Grand Forks | No     | 40 credits  | 2 years   | Diploma           | No                              | No                  | <a href="https://www.northlandcollege.edu/programs/farm_operations_management/program_detail.php?program_code=260#courses">https://www.northlandcollege.edu/programs/farm_operations_management/program_detail.php?program_code=260#courses</a> |
| Farm Operation and Management      | Ridgewater College                           | Willmar          | No     | 72 credits  | 2 years   | Associates        | No                              | No                  | <a href="https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2763">https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2763</a>   |

**AGRICULTURE — Crop Farm Manager**

| Program                                  | Training Institution | Location | Online | Credit     | Duration | Credential  | Has Participated in DTG Program | Competencies Mapped | URL   |
|--|----------------------|----------|--------|------------|----------|-------------|---------------------------------|---------------------|---|
| Farm Operation and Management            | Ridgewater College   | Willmar  | No     | 72 credits | 2years   | Diploma     | No                              | No                  | <a href="https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2764">https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2764</a> |
| GPS / GIS Information Systems Technology | Ridgewater College   | Willmar  | No     | 72 credits | 2 years  | Associates  | No                              | No                  | <a href="https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2767">https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2767</a> |
| GPS / GIS Information Systems Technology | Ridgewater College   | Willmar  | No     | 72 credits | 2 years  | Diploma     | No                              | No                  | <a href="https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2766">https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2766</a> |
| Precision Farming                        | Ridgewater College   | Willmar  | No     | 19 credits | 1 year   | Certificate | No                              | No                  | <a href="https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2765">https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2765</a> |

**AGRICULTURE — Farm Animal Manager**

| Program                           | Training Institution                         | Location          | Online | Credit        | Duration | Credential  | Has Participated in DTG Program | Competencies Mapped | URL   |
|-----------------------------------|--|-------------------|--------|---------------|----------|-------------|---------------------------------|---------------------|---|
| Agribusiness                      | Riverland College                            | Austin            | No     | 19-20 credits | 1 year   | Certificate | No                              | No                  | <a href="https://www.riverland.edu/academics/programs/agribusiness-cert/course-list/">https://www.riverland.edu/academics/programs/agribusiness-cert/course-list/</a>   |
| Agribusiness Management           | Southwest Minnesota State University         | Marshall          | No     | 60 credits    | 2 years  | Associates  | No                              | No                  | <a href="https://www.smsu.edu/academics/programs/agribusinessmanagement/index.html">https://www.smsu.edu/academics/programs/agribusinessmanagement/index.html</a>   |
| Agribusiness Management           | Southwest Minnesota State University         | Marshall          | No     | 120 credits   | 4 years  | Bachelors   | No                              | No                  | <a href="https://www.smsu.edu/academics/programs/agribusinessmanagement/index.html">https://www.smsu.edu/academics/programs/agribusinessmanagement/index.html</a>   |
| Agribusiness Production           | South Central College                        | North Mankato     | No     | 72 credits    | 2 years  | Associates  | No                              | No                  | <a href="https://southcentral.edu/Award/aas3152.html">https://southcentral.edu/Award/aas3152.html</a>   |
| Agribusiness Production           | South Central College                        | North Mankato     | No     | 72 credits    | 2 years  | Diploma     | No                              | No                  | <a href="https://southcentral.edu/Award/dip3153.html">https://southcentral.edu/Award/dip3153.html</a>   |
| Agricultural Science              | Central Lakes College                        | Brainerd          | No     | 60 credits    | 2 years  | Associates  | No                              | No                  | <a href="http://www.clcmn.edu/agricultural-science-a-s-degree/#1506450587743-111f9b93-f9a2a5c3-e10f31d5-30e77eb7-c73c">http://www.clcmn.edu/agricultural-science-a-s-degree/#1506450587743-111f9b93-f9a2a5c3-e10f31d5-30e77eb7-c73c</a> |
| Agriculture Business              | Minnesota West Community & Technical College | Worthington       | No     | 60 credits    | 2 years  | Associates  | No                              | No                  | <a href="https://www.mnwest.edu/programs-courses/list/agriculture-business-as">https://www.mnwest.edu/programs-courses/list/agriculture-business-as</a>   |
| Agriculture Business              | Ridgewater College                           | Willmar           | No     | 72 credits    | 2 years  | Associates  | No                              | No                  | <a href="https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2756">https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2756</a>   |
| Agriculture Business              | Ridgewater College                           | Willmar           | No     | 72 credits    | 2 years  | Diploma     | No                              | No                  | <a href="https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2757">https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2757</a>   |
| Agriculture Business              | University of Minnesota - Crookston          | Crookston         | Yes    | 21 credits    | 1 year   | Certificate | No                              | No                  | <a href="https://onestop2.umn.edu/pcas/viewCatalogProgram.do?programID=23961&amp;strm=&amp;campus=UMNCR">https://onestop2.umn.edu/pcas/viewCatalogProgram.do?programID=23961&amp;strm=&amp;campus=UMNCR</a>                             |
| Agriculture Production            | Minnesota West Community & Technical College | Worthington       | No     | 72 credits    | 2 years  | Associates  | No                              | No                  | <a href="https://www.mnwest.edu/programs-courses/list/agriculture-production-aas">https://www.mnwest.edu/programs-courses/list/agriculture-production-aas</a>   |
| Agriculture Production            | Minnesota West Community & Technical College | Worthington       | No     | 64 credits    | 2 years  | Diploma     | No                              | No                  | <a href="https://www.mnwest.edu/programs-courses/list/agriculture-production-diploma">https://www.mnwest.edu/programs-courses/list/agriculture-production-diploma</a>   |
| Agriculture Production Management | Minnesota West Community & Technical College | Worthington       | No     | 60 credits    | 2 years  | Associates  | No                              | No                  | <a href="https://www.mnwest.edu/programs-courses/list/agriculture-production-management-as">https://www.mnwest.edu/programs-courses/list/agriculture-production-management-as</a>   |
| Animal Science                    | Northland Community & Technical College      | Thief River Falls | No     | 60 credits    | 2 years  | Associates  | No                              | No                  | <a href="http://www.northlandcollege.edu/programs/animal_sci ence/program_detail.php?program_code=257">http://www.northlandcollege.edu/programs/animal_sci ence/program_detail.php?program_code=257</a>                                 |
| Animal Science                    | University of Minnesota                      | Minneapolis       | No     | 120 credits   | 4 years  | Bachelors   | No                              | No                  | <a href="https://ansci.umn.edu/animal-science-major">https://ansci.umn.edu/animal-science-major</a>   |
| Animal Science                    | University of Minnesota Crookston            | Crookston         | No     | 120 credits   | 4 years  | Bachelors   | No                              | No                  | <a href="https://onestop2.umn.edu/pcas/viewCatalogProgram.do?programID=244&amp;strm=&amp;campus=UMNCR">https://onestop2.umn.edu/pcas/viewCatalogProgram.do?programID=244&amp;strm=&amp;campus=UMNCR</a>                                 |
| Dairy Management                  | Ridgewater College                           | Willmar           | No     | 72 credits    | 2years   | Associates  | No                              | No                  | <a href="https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2872">https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2872</a>   |

AGRICULTURE — Farm Animal Manager

| Program                       | Training Institution                         | Location         | Online | Credit      | Duration  | Credential  | Has Participated in DTG Program | Competencies Mapped | URL   |
|-------------------------------|--|------------------|--------|-------------|-----------|-------------|---------------------------------|---------------------|---|
| Dairy Management              | Ridgewater College                           | Willmar          | No     | 72 credits  | 2 years   | Diploma     | No                              | No                  | <a href="https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2871">https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2871</a>   |
| Farm Operation and Management | Northland Community & Technical College      | East Grand Forks | No     | 40 credits  | 2 years   | Diploma     | No                              | No                  | <a href="https://www.northlandcollege.edu/programs/farm_operations_management/program_detail.php?program_code=260#courses">https://www.northlandcollege.edu/programs/farm_operations_management/program_detail.php?program_code=260#courses</a> |
| Farm Operation and Management | Ridgewater College                           | Willmar          | No     | 72 credits  | 2 years   | Associates  | No                              | No                  | <a href="https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2763">https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2763</a>   |
| Farm Operation and Management | Ridgewater College                           | Willmar          | No     | 72 credits  | 2 years   | Diploma     | No                              | No                  | <a href="https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2764">https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2764</a>   |
| Lamb and Wool Management      | Minnesota West Community & Technical College | Pipestone        | No     | 30 credits  | 1 year    | Certificate | No                              | No                  | <a href="https://www.mnwest.edu/programs-courses/list/lamb-and-wool-management-diploma">https://www.mnwest.edu/programs-courses/list/lamb-and-wool-management-diploma</a>   |
| Poultry Management            | Ridgewater College                           | Willmar          | Yes    | 20 credits  | 1-2 years | Certificate | No                              | No                  | <a href="https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2875">https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2875</a>   |
| Swine Manager                 | South Central College                        | North Mankato    | No     | 18 credits  | 1 year    | Certificate | No                              | No                  | <a href="https://southcentral.edu/Award/cert3100.html">https://southcentral.edu/Award/cert3100.html</a>   |
| Zoology                       | Minnesota State University Mankato           | Mankato          | No     | 120 credits | 4 years   | Bachelors   | No                              | No                  | <a href="https://mankato.mnsu.edu/academics/academic-catalog/undergraduate/biology/biology-bs-zoology/">https://mankato.mnsu.edu/academics/academic-catalog/undergraduate/biology/biology-bs-zoology/</a>                                       |

**AGRICULTURE — Grain Merchandiser**

| Program                                   | Training Institution                         | Location      | Online | Credit      | Duration | Credential  | Has Participated in DTG Program | Competencies Mapped | URL   |
|---|--|---------------|--------|-------------|----------|-------------|---------------------------------|---------------------|---|
| Agribusiness                              | Ridgewater College                           | Willmar       | No     | 72 credits  | 2 years  | Associates  | No                              | No                  | <a href="https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2876">https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2876</a>   |
| Agribusiness                              | Ridgewater College                           | Willmar       | No     | 72 credits  | 2 years  | Diploma     | No                              | No                  | <a href="https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2877">https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2877</a>   |
| Agribusiness Management                   | Southwest Minnesota State University         | Marshall      | No     | 60 credits  | 2 years  | Associates  | No                              | No                  | <a href="https://www.smsu.edu/academics/programs/agribusinessmanagement/index.html">https://www.smsu.edu/academics/programs/agribusinessmanagement/index.html</a>   |
| Agribusiness Management                   | Southwest Minnesota State University         | Marshall      | No     | 120 credits | 4 years  | Bachelors   | No                              | No                  | <a href="http://www.smsu.edu/catalog/index.html?catalogYear=76&amp;categoryid=769">http://www.smsu.edu/catalog/index.html?catalogYear=76&amp;categoryid=769</a>   |
| Agribusiness Office Specialist/ Manager   | South Central College                        | North Mankato | No     | 72 credits  | 2 years  | Associates  | No                              | No                  | <a href="https://southcentral.edu/Award/aas3126.html">https://southcentral.edu/Award/aas3126.html</a>   |
| Agribusiness Service and Management       | South Central College                        | North Mankato | No     | 72 credits  | 2 years  | Associates  | No                              | No                  | <a href="https://southcentral.edu/Award/aas3150.html">https://southcentral.edu/Award/aas3150.html</a>   |
| Agribusiness Service and Management       | South Central College                        | North Mankato | No     | 72 credits  | 2 years  | Diploma     | No                              | No                  | <a href="https://southcentral.edu/Award/dip3151.html">https://southcentral.edu/Award/dip3151.html</a>   |
| Agricultural and Food Business Management | University of Minnesota                      | Twin Cities   | No     | 120 credits | 4 years  | Bachelors   | No                              | No                  | <a href="https://www.cfans.umn.edu/academics/majors-minors/ag-food-business">https://www.cfans.umn.edu/academics/majors-minors/ag-food-business</a>   |
| Agricultural Business                     | University of Minnesota                      | Crookston     | Yes    | 120 credits | 4 years  | Bachelors   | No                              | No                  | <a href="https://www.crk.umn.edu/academics/agriculture-and-natural-resources-department/agricultural-business/online">https://www.crk.umn.edu/academics/agriculture-and-natural-resources-department/agricultural-business/online</a> |
| Agricultural Commodities Marketing        | Riverland College                            | Austin        | No     | 25 credits  | 3 years  | Certificate | No                              | No                  | <a href="https://www.riverland.edu/academics/programs/agricultural-commodities-marketing-cert/description/">https://www.riverland.edu/academics/programs/agricultural-commodities-marketing-cert/description/</a>                     |
| Agricultural Communication and Marketing  | University of Minnesota                      | Twin Cities   | No     | 120 credits | 4 years  | Bachelors   | No                              | No                  | <a href="https://www.cfans.umn.edu/academics/majors-minors/ag-communication-marketing">https://www.cfans.umn.edu/academics/majors-minors/ag-communication-marketing</a>   |
| Agriculture Business                      | Minnesota West Technical & Community College | Worthington   | No     | 60 credits  | 2 years  | Associates  | No                              | No                  | <a href="https://www.mnwest.edu/programs-courses/list/agriculture-business-as">https://www.mnwest.edu/programs-courses/list/agriculture-business-as</a>   |
| Agriculture Business                      | University of Minnesota - Crookston          | Crookston     | Yes    | 21 credits  | 1 year   | Certificate | No                              | No                  | <a href="https://onestop2.umn.edu/pcas/viewCatalogProgram.do?programID=23961&amp;strm=&amp;campus=UMNCR">https://onestop2.umn.edu/pcas/viewCatalogProgram.do?programID=23961&amp;strm=&amp;campus=UMNCR</a>                           |
| Agriculture Business and Marketing        | Minnesota West Technical & Community College | Worthington   | No     | 72 credits  | 2 years  | Associates  | No                              | No                  | <a href="https://www.mnwest.edu/programs-courses/list/agriculture-business-management-and-marketing-aas">https://www.mnwest.edu/programs-courses/list/agriculture-business-management-and-marketing-aas</a>                           |
| Agriculture Communications and Leadership | Southwest Minnesota State University         | Marshall      | No     | 120 credits | 4 years  | Bachelors   | No                              | No                  | <a href="http://www.smsu.edu/catalog/index.html?program=440">http://www.smsu.edu/catalog/index.html?program=440</a>   |
| Agriculture Production                    | Minnesota West Technical & Community College | Worthington   | No     | 64 credits  | 2 years  | Diploma     | No                              | No                  | <a href="https://www.mnwest.edu/programs-courses/list/agriculture-production-diploma">https://www.mnwest.edu/programs-courses/list/agriculture-production-diploma</a>   |
| Agriculture Production                    | Minnesota West Technical & Community College | Worthington   | No     | 60 credits  | 2 years  | Associates  | No                              | No                  | <a href="https://www.mnwest.edu/programs-courses/list/agriculture-production-management-as">https://www.mnwest.edu/programs-courses/list/agriculture-production-management-as</a>   |

AGRICULTURE — Horticulture Farm Manager

| Program                           | Training Institution                         | Location         | Online | Credit      | Duration  | Credential  | Has Participated in DTG Program | Competencies Mapped | URL   |
|-----------------------------------|--|------------------|--------|-------------|-----------|-------------|---------------------------------|---------------------|---|
| Agribusiness                      | Ridgewater College                           | Willmar          | No     | 72 credits  | 2 years   | Diploma     | No                              | No                  | <a href="http://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2757">http://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2757</a>   |
| Agribusiness                      | Riverland College                            | Austin           | No     | 19 credits  | 1 year    | Certificate | No                              | No                  | <a href="https://www.riverland.edu/academics/programs/agribusiness-cert/description/">https://www.riverland.edu/academics/programs/agribusiness-cert/description/</a>   |
| Agribusiness Management           | Southwest Minnesota State University         | Marshall         | No     | 60 credits  | 2 years   | Associates  | No                              | No                  | <a href="https://www.smsu.edu/academics/programs/agribusinessmanagement/index.html">https://www.smsu.edu/academics/programs/agribusinessmanagement/index.html</a>   |
| Agribusiness Management           | Southwest Minnesota State University         | Marshall         | No     | 120 credits | 4 years   | Bachelors   | No                              | No                  | <a href="https://www.smsu.edu/academics/programs/agribusinessmanagement/index.html">https://www.smsu.edu/academics/programs/agribusinessmanagement/index.html</a>   |
| Agribusiness Production           | South Central College                        | North Mankato    | No     | 72 credits  | 2 years   | Associates  | No                              | No                  | <a href="https://southcentral.edu/Award/aas3152.html">https://southcentral.edu/Award/aas3152.html</a>   |
| Agribusiness Production           | South Central College                        | North Mankato    | No     | 72 credits  | 2 years   | Diploma     | No                              | No                  | <a href="https://southcentral.edu/Award/dip3153.html">https://southcentral.edu/Award/dip3153.html</a>   |
| Agriculture Business              | Minnesota West Community & Technical College | Worthington      | No     | 60 credits  | 2 years   | Associates  | No                              | No                  | <a href="https://www.mnwest.edu/programs-courses/list/agriculture-business-as">https://www.mnwest.edu/programs-courses/list/agriculture-business-as</a>   |
| Agriculture Business              | Ridgewater College                           | Willmar          | No     | 72 credits  | 2 years   | Associates  | No                              | No                  | <a href="https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2756">https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2756</a>   |
| Agriculture Business              | University of Minnesota - Crookston          | Crookston        | Yes    | 21 credits  | 1 year    | Certificate | No                              | No                  | <a href="https://onestop2.umn.edu/pcas/viewCatalogProgram.do?programID=23961&amp;strm=&amp;campus=UMNCR">https://onestop2.umn.edu/pcas/viewCatalogProgram.do?programID=23961&amp;strm=&amp;campus=UMNCR</a>                                     |
| Agriculture Production            | Minnesota West Community & Technical College | Worthington      | No     | 72 credits  | 2 years   | Associates  | No                              | No                  | <a href="https://www.mnwest.edu/programs-courses/list/agriculture-production-aas">https://www.mnwest.edu/programs-courses/list/agriculture-production-aas</a>   |
| Agriculture Production            | Minnesota West Community & Technical College | Worthington      | No     | 64 credits  | 2 years   | Diploma     | No                              | No                  | <a href="https://www.mnwest.edu/programs-courses/list/agriculture-production-diploma">https://www.mnwest.edu/programs-courses/list/agriculture-production-diploma</a>   |
| Agriculture Production Management | Minnesota West Community & Technical College | Worthington      | No     | 60 credits  | 2 years   | Associates  | No                              | No                  | <a href="https://www.mnwest.edu/programs-courses/list/agriculture-production-management-as">https://www.mnwest.edu/programs-courses/list/agriculture-production-management-as</a>   |
| Agriculture Sciences              | Riverland College                            | Austin           | No     | 60 credits  | 2 years   | Associates  | No                              | No                  | <a href="https://www.riverland.edu/academics/programs/agricultural-sciences-as/description/">https://www.riverland.edu/academics/programs/agricultural-sciences-as/description/</a>   |
| Applied Plant Sciences            | University of Minnesota                      | Saint Paul       | No     | 30 credits  | 1-2 years | Masters     | No                              | No                  | <a href="https://onestop2.umn.edu/pcas/viewCatalogProgram.do?programID=7097&amp;strm=1219&amp;campus=UMNTC">https://onestop2.umn.edu/pcas/viewCatalogProgram.do?programID=7097&amp;strm=1219&amp;campus=UMNTC</a>                               |
| Eco Entrepreneurship              | Lake Superior College                        | Duluth           | No     | 60 credits  | 2 years   | Associates  | No                              | No                  | <a href="https://degrees.lsc.edu/eco-entrepreneurship/">https://degrees.lsc.edu/eco-entrepreneurship/</a>   |
| Farm Operation and Management     | Northland Community & Technical College      | East Grand Forks | No     | 40 credits  | 2 years   | Diploma     | No                              | No                  | <a href="https://www.northlandcollege.edu/programs/farm_operations_management/program_detail.php?program_code=260#courses">https://www.northlandcollege.edu/programs/farm_operations_management/program_detail.php?program_code=260#courses</a> |
| Farm Operation and Management     | Ridgewater College                           | Willmar          | No     | 72 credits  | 2 years   | Associates  | No                              | No                  | <a href="https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2763">https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2763</a>   |

AGRICULTURE — Horticulture Farm Manager

| Program  | Training Institution                | Location         | Online | Credit      | Duration  | Credential  | Has Participated in DTG Program | Competencies Mapped | URL   |
|--|-------------------------------------|------------------|--------|-------------|-----------|-------------|---------------------------------|---------------------|---|
| Farm Operation and Management                  | Ridgewater College                  | Willmar          | No     | 72 credits  | 2 years   | Diploma     | No                              | No                  | <a href="https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2764">https://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2764</a>   |
| Horticulture                                   | Central Lakes College               | Brainerd         | No     | 60 credits  | 2 years   | Associates  | No                              | No                  | <a href="http://www.clcmn.edu/horticulture-a-a-s-degree-2/#1506450587743-111f9b93-f9a2a5c3-e10f31d5-30e7168c-ba6e8221-56fd8136-89ad">http://www.clcmn.edu/horticulture-a-a-s-degree-2/#1506450587743-111f9b93-f9a2a5c3-e10f31d5-30e7168c-ba6e8221-56fd8136-89ad</a>                                 |
| Horticulture                                   | University of Minnesota - Crookston | Crookston        | No     | 120 credits | 4 years   | Bachelors   | No                              | No                  | <a href="https://www.crk.umn.edu/academics/agriculture-and-natural-resources-department/horticulture">https://www.crk.umn.edu/academics/agriculture-and-natural-resources-department/horticulture</a>   |
| Master of Professional Studies in Horticulture | University of Minnesota             | Saint Paul       | No     | 30 credits  | 1-2 years | Masters     | No                              | No                  | <a href="https://ccaps.umn.edu/horticulture-masters-degree">https://ccaps.umn.edu/horticulture-masters-degree</a>   |
| Specialty Crops Management                     | Central Lakes College               | Staples          | No     | 44 credits  | 2 years   | Diploma     | No                              | No                  | <a href="http://www.clcmn.edu/specialty-crops-management-diploma-2/">http://www.clcmn.edu/specialty-crops-management-diploma-2/</a>   |
| Sustainable Greenhouse Production              | Central Lakes College               | Brainerd         | No     | 32 credits  | 1 year    | Diploma     | No                              | No                  | <a href="http://www.clcmn.edu/sustainable-greenhouse-production-diploma-2/#1506450587743-111f9b93-f9a2a5c3-e10f31d5-30e7168c-ba6e8221-56fd3c3a-37ad">http://www.clcmn.edu/sustainable-greenhouse-production-diploma-2/#1506450587743-111f9b93-f9a2a5c3-e10f31d5-30e7168c-ba6e8221-56fd3c3a-37ad</a> |
| Sustainable Horticulture                       | University of Minnesota             | Chaska           | No     | None        | 1 year    | Certificate | No                              | No                  | <a href="https://drive.google.com/file/d/1nSn46h0rVz2alsjNOOtKK-n58bvfZkz/view">https://drive.google.com/file/d/1nSn46h0rVz2alsjNOOtKK-n58bvfZkz/view</a>   |
| Sustainable Local Food                         | Central Lakes College               | Brainerd         | No     | 22 credits  | 1 year    | Certificate | No                              | No                  | <a href="http://www.clcmn.edu/sustainable-local-food-certificate/#1506450587743-111f9b93-f9a2a5c3-e10f31d5-30e7168c-ba6e8221-56fd8136-89ad2c63-b257">http://www.clcmn.edu/sustainable-local-food-certificate/#1506450587743-111f9b93-f9a2a5c3-e10f31d5-30e7168c-ba6e8221-56fd8136-89ad2c63-b257</a> |
| Viticulture                                    | Central Lakes College               | Brainerd/ Online | Yes    | 31 credits  | 1 year    | Diploma     | No                              | No                  | <a href="http://www.clcmn.edu/viticulture-diploma-2/">http://www.clcmn.edu/viticulture-diploma-2/</a>   |
| Viticulture                                    | Central Lakes College               | Brainerd/ Online | Yes    | 60 credits  | 2 years   | Associates  | No                              | No                  | <a href="http://www.clcmn.edu/viticulture-a-a-s-degree-2/">http://www.clcmn.edu/viticulture-a-a-s-degree-2/</a>   |

AGRICULTURE — Agriculture Finance, Lender

| Program                                 | Training Institution                           | Location      | Online | Credit        | Duration         | Credential  | Has Participated in DTG Program | Competencies Mapped | URL   |
|---|--|---------------|--------|---------------|------------------|-------------|---------------------------------|---------------------|---|
| Agribusiness                            | Concordia College                              | Moorhead      | No     |               | 4 years          | Bachelors   | No                              | No                  | <a href="https://www.concordiacollege.edu/academics/programs-of-study/offutt-school-of-business/agribusiness/">https://www.concordiacollege.edu/academics/programs-of-study/offutt-school-of-business/agribusiness/</a>   |
| Agribusiness                            | Ridgewater College                             | Willmar       | No     | 72 credits    | 2 years          | Associates  | No                              | No                  | <a href="http://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2756">http://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2756</a>   |
| Agribusiness                            | Ridgewater College                             | Willmar       | No     | 72 credits    | 2 years          | Diploma     | No                              | No                  | <a href="http://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2757">http://legacy.ridgewater.edu/Credentials/index.cfm?Credential_ID=2757</a>   |
| Agribusiness                            | Riverland Community College                    | Austin        | No     | 19 credits    | 1 year           | Certificate | No                              | No                  | <a href="https://www.riverland.edu/sheet/Agribusiness/index.cfm">https://www.riverland.edu/sheet/Agribusiness/index.cfm</a>   |
| Agribusiness Management                 | Southwest Minnesota State University           | Marshall      | No     | 120 credits   | 4 years          | Bachelors   | No                              | No                  | <a href="https://www.smsu.edu/catalog/?program=263">https://www.smsu.edu/catalog/?program=263</a>   |
| Agribusiness Management                 | Southwest Minnesota State University           | Marshall      | No     | 60-62 credits | 2 years          | Associates  | No                              | No                  | <a href="https://www.smsu.edu/catalog/?program=263">https://www.smsu.edu/catalog/?program=263</a>   |
| Agribusiness Office Specialist/ Manager | South Central College                          | North Mankato | No     | 72 credits    | 2 years          | Associates  | No                              | No                  | <a href="https://southcentral.edu/Award/aas3126.html">https://southcentral.edu/Award/aas3126.html</a>   |
| Agribusiness Service and Management     | South Central College                          | North Mankato | No     | 72 credits    | 2 years          | Associates  | No                              | No                  | <a href="https://southcentral.edu/Award/aas3150.html">https://southcentral.edu/Award/aas3150.html</a>   |
| Agribusiness Service and Management     | South Central College                          | North Mankato | No     | 72 credits    | 2 years          | Diploma     | No                              | No                  | <a href="https://southcentral.edu/Award/dip3151.html">https://southcentral.edu/Award/dip3151.html</a>   |
| Agriculture Business                    | Minnesota West Community and Technical College | Worthington   | No     | 60 credits    | 2 years          | Associates  | No                              | No                  | <a href="https://www.mnwest.edu/programs-courses/list/agriculture-business-as">https://www.mnwest.edu/programs-courses/list/agriculture-business-as</a>   |
| Agriculture Business                    | University of Minnesota - Crookston            | Crookston     | Both   | 120 credits   | 4 years          | Bachelors   | No                              | No                  | <a href="https://onestop2.umn.edu/pcas/viewCatalogProgram.do?programID=241&amp;strm=&amp;campus=UMNCR">https://onestop2.umn.edu/pcas/viewCatalogProgram.do?programID=241&amp;strm=&amp;campus=UMNCR</a>   |
| Agriculture Business                    | University of Minnesota - Crookston            | Crookston     | Both   | 21 credits    | 1 year           | Certificate | No                              | No                  | <a href="https://onestop2.umn.edu/pcas/viewCatalogProgram.do?programID=23961&amp;strm=&amp;campus=UMNCR">https://onestop2.umn.edu/pcas/viewCatalogProgram.do?programID=23961&amp;strm=&amp;campus=UMNCR</a>   |
| Bank Management                         | Minnesota State University - Moorhead          | Moorhead      | No     | 9 credits     | Less than 1 year | Certificate | No                              | No                  | <a href="https://navigator.mnstate.edu/Catalog/ViewCatalog.aspx?pageid=viewercatalog&amp;catalogid=36&amp;chapterid=532&amp;toPICgroupid=4812&amp;loadusercredits=True">https://navigator.mnstate.edu/Catalog/ViewCatalog.aspx?pageid=viewercatalog&amp;catalogid=36&amp;chapterid=532&amp;toPICgroupid=4812&amp;loadusercredits=True</a> |
| Business / Financial Services           | Fond du Lac Community College                  | Cloquet       | No     | 60 credits    | 2 years          | Associates  | No                              | No                  | <a href="https://fdltcc.edu/academics/degree-and-certificate-programs/degree-programs/business/">https://fdltcc.edu/academics/degree-and-certificate-programs/degree-programs/business/</a>   |
| Finance                                 | Augsburg College                               | Minneapolis   | No     |               | 4 years          | Bachelors   | No                              | No                  | <a href="https://www.augsburg.edu/business/degree-requirements/finance/">https://www.augsburg.edu/business/degree-requirements/finance/</a>   |
| Finance                                 | Bethel University                              | Saint Paul    | Both   | 117 credits   | 4 years          | Bachelors   | No                              | No                  | <a href="https://www.bethel.edu/adult-undergrad/academics/finance/program-details/">https://www.bethel.edu/adult-undergrad/academics/finance/program-details/</a>   |
| Finance                                 | Concordia University                           | Saint Paul    | No     |               | 4 years          | Bachelors   | No                              | No                  | <a href="https://www.csp.edu/program/finance/">https://www.csp.edu/program/finance/</a>   |



AGRICULTURE — Agriculture Finance, Lender

| Program | Training Institution                        | Location    | Online | Credit      | Duration | Credential       | Has Participated in DTG Program | Competencies Mapped | URL   |
|---------|---|-------------|--------|-------------|----------|------------------|---------------------------------|---------------------|---|
| Finance | Hamline University                          | Saint Paul  | No     | 120 credits | 4 years  | Bachelors        | No                              | No                  | <a href="https://www.hamline.edu/business/finance.html">https://www.hamline.edu/business/finance.html</a>   |
| Finance | Minnesota State University - Mankato        | Mankato     | No     | 120 credits | 4 years  | Bachelors        | No                              | No                  | <a href="https://cob.mnsu.edu/academics/finance/bachelor-of-science-in-finance#plan">https://cob.mnsu.edu/academics/finance/bachelor-of-science-in-finance#plan</a>   |
| Finance | Minnesota State University - Moorhead       | Moorhead    | No     | 120 credits | 4 years  | Bachelors Degree | No                              | No                  | <a href="https://navigator.mnstate.edu/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;catalogid=36&amp;chapterid=532&amp;topicgroupid=4807&amp;loaduseredits=True">https://navigator.mnstate.edu/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;catalogid=36&amp;chapterid=532&amp;topicgroupid=4807&amp;loaduseredits=True</a> |
| Finance | Saint Cloud Community and Technical College | Saint Cloud | No     | 60 credits  | 2 years  | Associates       | No                              | No                  | <a href="https://www.sctcc.edu/degrees-programs/finance/finance-aas-60-credits">https://www.sctcc.edu/degrees-programs/finance/finance-aas-60-credits</a>   |
| Finance | Saint Cloud Community and Technical College | Saint Cloud | No     | 54 credits  | 2 years  | Diploma          | No                              | No                  | <a href="https://www.sctcc.edu/degrees-programs/finance/finance-diploma-54-credits">https://www.sctcc.edu/degrees-programs/finance/finance-diploma-54-credits</a>   |
| Finance | Saint Cloud State University                | Saint Cloud | No     | 117 credits | 4 years  | Bachelors        | No                              | No                  | <a href="https://catalog.stcloudstate.edu/~Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;catalogid=7&amp;topicgroupid=1957">https://catalog.stcloudstate.edu/~Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;catalogid=7&amp;topicgroupid=1957</a>   |
| Finance | Saint Mary's University                     | Winona      | No     | 120 credits | 4 years  | Bachelors        | No                              | No                  | <a href="https://www.smumn.edu/academics/undergraduate/business-and-communication/finance">https://www.smumn.edu/academics/undergraduate/business-and-communication/finance</a>   |
| Finance | Saint Paul College                          | Saint Paul  | Both   | 60 credits  | 2 years  | Associates       | No                              | No                  | <a href="https://www.saintpaul.edu/programs/ProgramGuides/FinanceAS.pdf">https://www.saintpaul.edu/programs/ProgramGuides/FinanceAS.pdf</a>   |
| Finance | Saint Thomas University                     | Saint Paul  | No     |             | 4 years  | Bachelors        | No                              | No                  | <a href="https://www.stthomas.edu/catalog/current/business/finance/">https://www.stthomas.edu/catalog/current/business/finance/</a>   |
| Finance | Southwest Minnesota State University        | Marshall    | No     | 120 credits | 4 years  | Bachelors        | No                              | No                  | <a href="https://www.smsu.edu/catalog/index.html?program=330">https://www.smsu.edu/catalog/index.html?program=330</a>   |
| Finance | St Scholastica University                   | Duluth      | No     |             | 4 years  | Bachelors        | No                              | No                  | <a href="http://www.css.edu/undergraduate/undergraduate-traditional/academics/business-and-technology/business-finance.html">http://www.css.edu/undergraduate/undergraduate-traditional/academics/business-and-technology/business-finance.html</a>   |
| Finance | University of Minnesota - Crookston         | Crookston   | Both   | 120 credits | 4 years  | Bachelors        | No                              | No                  | <a href="https://onestop2.umn.edu/pcas/viewCatalogProgram.do?programID=10321&amp;strm=&amp;campus=UMNCR">https://onestop2.umn.edu/pcas/viewCatalogProgram.do?programID=10321&amp;strm=&amp;campus=UMNCR</a>   |
| Finance | University of Minnesota - Duluth            | Duluth      | No     | 120 credits | 4 years  | Bachelors        | No                              | No                  | <a href="https://onestop2.umn.edu/pcas/viewCatalogProgram.do?programID=379&amp;campus=UMNDL">https://onestop2.umn.edu/pcas/viewCatalogProgram.do?programID=379&amp;campus=UMNDL</a>   |
| Finance | University of Minnesota - Twin Cities       | Twin Cities | No     | 120 credits | 4 years  | Bachelors        | No                              | No                  | <a href="https://onestop2.umn.edu/pcas/viewCatalogProgram.do?programID=11&amp;strm=1209&amp;campus=UMNTC">https://onestop2.umn.edu/pcas/viewCatalogProgram.do?programID=11&amp;strm=1209&amp;campus=UMNTC</a>   |
| Finance | University of Northwestern                  | Saint Paul  | No     | 128 credits | 4 years  | Bachelors        | No                              | No                  | <a href="https://unwsp.edu/program/finance/">https://unwsp.edu/program/finance/</a>   |
| Finance | Winona State University                     | Winona      | No     | 120 credits | 4 years  | Bachelors        | No                              | No                  | <a href="https://catalog.winona.edu/preview_program.php?catoid=26&amp;poiid=5037">https://catalog.winona.edu/preview_program.php?catoid=26&amp;poiid=5037</a>   |
|         | Saint Paul College                          | Saint Paul  | Both   | 16 credits  | 1 year   | Certificate      | No                              | No                  | <a href="https://www.saintpaul.edu/programs/ProgramGuides/FinanceCertificate.pdf">https://www.saintpaul.edu/programs/ProgramGuides/FinanceCertificate.pdf</a>   |

AGRICULTURE — Quality Assurance Food Safety

| Program                    | Training Institution                         | Location    | Online | Credit      | Duration                  | Credential           | Has Participated in DTG Program | Competencies Mapped | URL   |
|----------------------------|--|-------------|--------|-------------|---------------------------|----------------------|---------------------------------|---------------------|---|
| Food Science               | Minnesota West Community & Technical College | Worthington | No     | 60 credits  | 2 years                   | Associates Degree    | No                              | No                  | <a href="http://www.mnwest.edu/programs-courses/list/food-science-as">http://www.mnwest.edu/programs-courses/list/food-science-as</a>   |
| Food Science               | Normandale Community College                 | Bloomington | No     | 60 credits  | 2 years                   | Associates Degree    | No                              | No                  | <a href="http://www.normandale.edu/catalog/programs-of-study/associate-of-science/food-science-(as)~60-credits">http://www.normandale.edu/catalog/programs-of-study/associate-of-science/food-science-(as)~60-credits</a>   |
| Food Science               | University of Minnesota                      | Minneapolis | No     | 120 credits | 4 years                   | Bachelors Degree     | No                              | No                  | <a href="https://onestop2.umn.edu/pcas/viewCatalogProgram.do?programID=271">https://onestop2.umn.edu/pcas/viewCatalogProgram.do?programID=271</a>   |
| Food Science               | University of Minnesota                      | Minneapolis | No     | 30 credits  | 2 years                   | Masters degree       | No                              | No                  | <a href="https://fscn.cfans.umn.edu/graduate/food-science-graduate-program">https://fscn.cfans.umn.edu/graduate/food-science-graduate-program</a>   |
| Food Science               | Riverland Community College                  | Austin      | Yes    | 16 credits  | Less than or up to 1 year | Certificate          | No                              | No                  | <a href="https://www.riverland.edu/academics/programs/food-science-cert/description/">https://www.riverland.edu/academics/programs/food-science-cert/description/</a>   |
| Food Science Concentration | Riverland Community College                  | Austin      | No     | 60 credits  | 2 years                   | Associates Degree    | No                              | No                  | <a href="https://www.riverland.edu/academics/programs/food-science-concentration-aa/http-riverland-edu-academics-programs-food-science-concentration-aa-description/">https://www.riverland.edu/academics/programs/food-science-concentration-aa/http-riverland-edu-academics-programs-food-science-concentration-aa-description/</a> |
| Food Science Technology    | Minnesota State University Mankato           | Mankato     | No     | 120 credits | 4 years                   | Bachelors Degree     | No                              | No                  | <a href="https://mankato.mnsu.edu/academics/academic-catalog/undergraduate/food-science-technology/food-science-technology-bs/">https://mankato.mnsu.edu/academics/academic-catalog/undergraduate/food-science-technology/food-science-technology-bs/</a>   |
| Food Science Technology    | Riverland Community College                  | Austin      | Yes    | 60 credits  | 2 years                   | Associates Degree    | Yes                             | Partially           | <a href="https://www.riverland.edu/index.cfm/academics/programs/food-science-technology-as/description/">https://www.riverland.edu/index.cfm/academics/programs/food-science-technology-as/description/</a>   |
| Quality Management Systems | Minnesota State University                   | Mankato     | No     | 15 credits  | Less than or up to 1 year | Graduate Certificate | No                              | No                  | <a href="https://mankato.mnsu.edu/academics/academic-catalog/graduate/manufacturing-engineering-technology/quality-management-systems-gc/">https://mankato.mnsu.edu/academics/academic-catalog/graduate/manufacturing-engineering-technology/quality-management-systems-gc/</a>   |

**AGRICULTURE — Swine Technician (Sow Farm)**

| Program                    | Training Institution                    | Location          | Online | Credit      | Duration | Credential        | Has Participated in DTG Program | Competencies Mapped | URL   |
|----------------------------|---|-------------------|--------|-------------|----------|-------------------|---------------------------------|---------------------|---|
| Animal Science             | Northland Community & Technical College | Thief River Falls | No     | 60 credits  | 2 years  | Associates Degree | No                              | No                  | <a href="http://www.northlandcollege.edu/programs/animal_sci ence/program_detail.php?program_code=257">http://www.northlandcollege.edu/programs/animal_sci ence/program_detail.php?program_code=257</a>   |
| Animal Science             | University of Minnesota                 | Minneapolis       | No     | 120 credits | 4 years  | Bachelors Degree  | No                              | No                  | <a href="https://ansci.umn.edu/animal-science-major">https://ansci.umn.edu/animal-science-major</a>   |
| Animal Science             | University of Minnesota Crookston       | Crookston         | No     | 120 credits | 4 years  | Bachelors Degree  | No                              | No                  | <a href="https://www.crk.umn.edu/academics/agriculture-and-natural-resources-department/animal-science">https://www.crk.umn.edu/academics/agriculture-and-natural-resources-department/animal-science</a> |
| Professional Swine Manager | South Central College                   | North Mankato     | No     | 18 credits  | 1 year   | Certificate       | No                              | No                  | <a href="https://southcentral.edu/Award/cert3100.html">https://southcentral.edu/Award/cert3100.html</a>   |
| Zoology                    | Minnesota State University Mankato      | Mankato           | No     | 120 credits | 4 years  | Bachelors Degree  | No                              | No                  | <a href="https://mankato.mnsu.edu/academics/academic-catalog/undergraduate/biology/biology-bs-zoology/">https://mankato.mnsu.edu/academics/academic-catalog/undergraduate/biology/biology-bs-zoology/</a> |

**AGRICULTURE — Swine Technician (Grow Finish)**

| Program                    | Training Institution                    | Location          | Online | Credit      | Duration | Credential        | Has Participated in DTG Program | Competencies Mapped | URL   |
|----------------------------|---|-------------------|--------|-------------|----------|-------------------|---------------------------------|---------------------|---|
| Animal Science             | Northland Community & Technical College | Thief River Falls | No     | 60 credits  | 2 years  | Associates Degree | No                              | No                  | <a href="http://www.northlandcollege.edu/programs/animal_sci ence/program_detail.php?program_code=257">http://www.northlandcollege.edu/programs/animal_sci ence/program_detail.php?program_code=257</a>   |
| Animal Science             | University of Minnesota                 | Minneapolis       | No     | 120 credits | 4 years  | Bachelors Degree  | No                              | No                  | <a href="https://ansci.umn.edu/animal-science-major">https://ansci.umn.edu/animal-science-major</a>   |
| Animal Science             | University of Minnesota Crookston       | Crookston         | No     | 120 credits | 4 years  | Bachelors Degree  | No                              | No                  | <a href="https://www.crk.umn.edu/academics/agriculture-and-natural-resources-department/animal-science">https://www.crk.umn.edu/academics/agriculture-and-natural-resources-department/animal-science</a> |
| Professional Swine Manager | South Central College                   | North Mankato     | No     | 18 credits  | 1 year   | Certificate       | No                              | No                  | <a href="https://southcentral.edu/Award/cert3100.html">https://southcentral.edu/Award/cert3100.html</a>   |
| Zoology                    | Minnesota State University Mankato      | Mankato           | No     | 120 credits | 4 years  | Bachelors Degree  | No                              | No                  | <a href="https://mankato.mnsu.edu/academics/academic-catalog/undergraduate/biology/biology-bs-zoology/">https://mankato.mnsu.edu/academics/academic-catalog/undergraduate/biology/biology-bs-zoology/</a> |

HEALTH CARE — Addiction Specialist

| Program                          | Training Institution                        | Location        | Online  | Credit | Duration     | Credential  | Has participated in DTG Program | Competencies Mapped | URL   |
|----------------------------------|---|-----------------|---------|--------|--------------|-------------|---------------------------------|---------------------|---|
| Addiction Counseling             | Century College                             | White Bear Lake | Partial | 60     | Two years    | Associate   | No                              | No                  | <a href="http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=1940&amp;returnto=443">http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=1940&amp;returnto=443</a>   |
| Addiction Counseling             | Century College                             | White Bear Lake | Partial | 27     | One year     | Certificate | No                              | No                  | <a href="http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=1939&amp;returnto=443">http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=1939&amp;returnto=443</a>   |
| Addiction Counseling             | MN State University Moorhead                | Moorhead        | Yes     | 26     | One year     | Certificate | No                              | No                  | <a href="https://navigator.mnstate.edu/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;catalogid=31&amp;chapterid=469&amp;topicgroupid=4173&amp;loadusercredits=False">https://navigator.mnstate.edu/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;catalogid=31&amp;chapterid=469&amp;topicgroupid=4173&amp;loadusercredits=False</a>                           |
| Addiction Counseling             | Winona State University                     | Winona          | Yes     | 24     | One year     | Certificate | No                              | No                  | <a href="https://www.winona.edu/counseloreducation/addictionscounseling.asp">https://www.winona.edu/counseloreducation/addictionscounseling.asp</a>   |
| Addiction Counseling AS          | Minneapolis Community and Technical College | Minneapolis     | Partial | 60     | Two years    | Associate   | No                              | No                  | <a href="https://mctc.uecisionacademic.com/Catalog/viewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=2116&amp;topicid=2770&amp;loadusercredits=True&amp;_ga=2.152875450.2034870">https://mctc.uecisionacademic.com/Catalog/viewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=2116&amp;topicid=2770&amp;loadusercredits=True&amp;_ga=2.152875450.2034870</a> |
| Addiction Counseling BS          | St. Cloud State University                  | St. Cloud       | Partial | 120    | Four years   | Bachelors   | No                              | No                  | <a href="https://catalog.stcloudstate.edu/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=1966">https://catalog.stcloudstate.edu/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=1966</a>   |
| Addiction Counseling Certificate | Bethel University                           | St. Paul        | Yes     | 18     | Eight months | Certificate | No                              | No                  | <a href="https://www.bethel.edu/adult-undergrad/academics/certificates/addiction-studies/">https://www.bethel.edu/adult-undergrad/academics/certificates/addiction-studies/</a>   |
| Addiction Counseling Diploma     | Minneapolis Community and Technical College | Minneapolis     | Partial | 36     | Two years    | Diploma     | No                              | No                  | <a href="https://mctc.uecisionacademic.com/Catalog/viewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=2116&amp;topicid=2769&amp;loadusercredits=True&amp;_ga=2.128367887.2034870">https://mctc.uecisionacademic.com/Catalog/viewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=2116&amp;topicid=2769&amp;loadusercredits=True&amp;_ga=2.128367887.2034870</a> |
| Addiction Studies                | Mesabi Range College                        | Virginia        | Partial | 60     | Two years    | Associate   | No                              | No                  | <a href="https://www.mesabirange.edu/assets/sites/mesabi/uploads/files/Addict_Studies_AAS.pdf">https://www.mesabirange.edu/assets/sites/mesabi/uploads/files/Addict_Studies_AAS.pdf</a>   |
| Addiction Studies                | Mesabi Range College                        | Virginia        | Partial | 28     | Three terms  | Certificate | No                              | No                  | <a href="https://www.mesabirange.edu/assets/sites/mesabi/uploads/files/Addiction_Studies_Certificate_Fall_2019.pdf">https://www.mesabirange.edu/assets/sites/mesabi/uploads/files/Addiction_Studies_Certificate_Fall_2019.pdf</a>   |
| Addiction Studies Certificate    | Saint Mary's University                     | Minneapolis     | Partial | 25     | Two years    | Certificate | No                              | No                  | <a href="https://www.smumn.edu/academics/graduate/health-human-services/graduate-certificate-in-addiction-studies">https://www.smumn.edu/academics/graduate/health-human-services/graduate-certificate-in-addiction-studies</a>   |
| Addictions Counseling Masters    | University of Minnesota                     | Minneapolis     | Partial | 30     | Varies       | Masters     | No                              | No                  | <a href="https://ccaps.umn.edu/addictions-counseling-masters-degree">https://ccaps.umn.edu/addictions-counseling-masters-degree</a>   |
| Addictions Graduate Certificate  | St. Cloud State University                  | St. Cloud       | Partial | 27     | 16 Months    | Certificate | No                              | No                  | <a href="https://www.stcloudstate.edu/graduate/addictions/default.aspx">https://www.stcloudstate.edu/graduate/addictions/default.aspx</a>   |
| Alcohol and Drug Counseling      | Anoka-Ramsey Community College              | Coon Rapids     | Partial | 28     | Varies       | Certificate | No                              | No                  | <a href="https://www.anokaramsey.edu/academics/degrees-diplomas-certificates/diplomas-certificates/alcohol-and-drug-counseling/">https://www.anokaramsey.edu/academics/degrees-diplomas-certificates/diplomas-certificates/alcohol-and-drug-counseling/</a>   |
| Alcohol and Drug Counseling      | Rochester Community and Technical College   | Rochester       | Partial | 25     | One year     | Certificate | No                              | No                  | <a href="https://www.rctc.edu/files/programs/AD_COUNSELING_CERT_PROG_PLAN.pdf">https://www.rctc.edu/files/programs/AD_COUNSELING_CERT_PROG_PLAN.pdf</a>   |
| Alcohol and Drug Counseling      | Rochester Community and Technical College   | Rochester       | Partial | 60     | Two years    | Associate   | No                              | No                  | <a href="https://www.rctc.edu/files/programs/AD_COUNSELING_AS_PROG_PLAN.pdf">https://www.rctc.edu/files/programs/AD_COUNSELING_AS_PROG_PLAN.pdf</a>   |
| Alcohol and Drug Counseling BS   | Metropolitan State University               | St. Paul        | Partial | 120    | Four years   | Bachelors   | No                              | No                  | <a href="https://www.metrostate.edu/academics/programs/alcohol-and-drug-counseling-bs#requirements">https://www.metrostate.edu/academics/programs/alcohol-and-drug-counseling-bs#requirements</a>   |

HEALTH CARE — Addiction Specialist

| Program                             | Training Institution                     | Location    | Online  | Credit | Duration   | Credential  | Has participated in DTG Program | Competencies Mapped | URL   |
|-------------------------------------|--|-------------|---------|--------|------------|-------------|---------------------------------|---------------------|---|
| Alcohol and Drug Counseling BS      | Metropolitan State University            | St. Paul    | Partial | 121    | Four years | Bachelors   | No                              | No                  | <a href="https://www.metrostate.edu/academics/programs/alcohol-and-drug-counseling-bs#requirements">https://www.metrostate.edu/academics/programs/alcohol-and-drug-counseling-bs#requirements</a>   |
| Alcohol and Drug Counseling BS      | Metropolitan State University            | St. Paul    | Partial | 122    | Four years | Bachelors   | No                              | No                  | <a href="https://www.metrostate.edu/academics/programs/alcohol-and-drug-counseling-bs#requirements">https://www.metrostate.edu/academics/programs/alcohol-and-drug-counseling-bs#requirements</a>   |
| Alcohol and Drug Counseling Studies | Anoka-Ramsey Community College           | Coon Rapids | Partial | 60     | Two years  | Associate   | No                              | No                  | <a href="https://www.anokaramsey.edu/academics/degrees-diplomas-certificates/two-year-degrees/associate-of-science-degrees/alcohol-and-drug-counseling-studies/">https://www.anokaramsey.edu/academics/degrees-diplomas-certificates/two-year-degrees/associate-of-science-degrees/alcohol-and-drug-counseling-studies/</a> |
| Alcohol and Drug Counselor          | Bemidji State University                 | Bemidji     | Partial | 51     | Varies     | Certificate | No                              | No                  | <a href="https://www.bemidjistate.edu/academics/catalog/2019-3/programs/certaldc">https://www.bemidjistate.edu/academics/catalog/2019-3/programs/certaldc</a>   |
| Alcohol and Drug Studies            | MN State University Mankato              | Mankato     | Partial | 120    | Four years | Bachelors   | No                              | No                  | <a href="https://ahn.mnsu.edu/academic-programs/alcohol-and-drug-studies/alcohol-and-drug-studies/">https://ahn.mnsu.edu/academic-programs/alcohol-and-drug-studies/alcohol-and-drug-studies/</a>   |
| Chemical Dependency Counselor       | Fond du Lac Tribal and Community College | Cloquet     | Partial | 28     | One year   | Certificate | No                              | No                  | <a href="https://fdltcc.edu/academics/degree-and-certificate-programs/certificate-programs/chemical-dependency-counselor/">https://fdltcc.edu/academics/degree-and-certificate-programs/certificate-programs/chemical-dependency-counselor/</a>   |

HEALTH CARE — Certified Nursing Assistant

| Program                                    | Training Institution                         | Location   | Online       | Credit    | Duration   | Credential  | Has participated in DTG Program | Competencies Mapped | URL   |
|--|--|--|--------------|-----------|------------|-------------|---------------------------------|---------------------|---|
| Nursing Assistant                          | Century College                              | White Bear Lake  | No           | 4 Credits | 1 Semester | Certificate | No                              | No                  | <a href="https://www.century.edu/programs/nursing-assistant">https://www.century.edu/programs/nursing-assistant</a>   |
| Nursing Assistant                          | Dakota County Technical College              | Rosemount  | No           | 5 Credits | 1 Semester | Certificate | No                              | No                  | <a href="https://www.dctc.edu/academics/programs-majors/health-education/nursing-assistant/">https://www.dctc.edu/academics/programs-majors/health-education/nursing-assistant/</a>   |
| Nursing Assistant                          | Hibbing Community College                    | Hibbing  | No           | 4 Credits | 1 Semester | Certificate | No                              | No                  | <a href="https://hibbing.edu/academics/areas-of-study/medical-dental/nursing-assistant">https://hibbing.edu/academics/areas-of-study/medical-dental/nursing-assistant</a>   |
| Nursing Assistant                          | Inver Hills Community College                | Inver Grove Heights                                    | No           | 5 Credits | 1 Semester | Certificate | No                              | No                  | <a href="https://www.inverhills.edu/CNA/index.aspx">https://www.inverhills.edu/CNA/index.aspx</a>   |
| Nursing Assistant                          | Itasca Community College                     | Grand Rapids   | No           | 3 Credits | 1 Semester | Certificate | No                              | No                  | <a href="https://www.itascacc.edu/assets/sites/icc/uploads/CNA_Cert_2020_21.pdf">https://www.itascacc.edu/assets/sites/icc/uploads/CNA_Cert_2020_21.pdf</a>   |
| Nursing Assistant                          | Lake Superior College                        | Duluth   | No           | 3 Credits | 1 Semester | Certificate | No                              | No                  | <a href="https://degrees.lsc.edu/wp-content/uploads/Nursing-Assistant.pdf">https://degrees.lsc.edu/wp-content/uploads/Nursing-Assistant.pdf</a>   |
| Nursing Assistant                          | Minnesota West Community & Technical College | Canby, Granite Falls, Jackson, Pipestone & Worthington | No           | 3 Credits | 1 Semester | Certificate | No                              | No                  | <a href="https://www.mnwest.edu/faculty-webpages/nursing-assistant">https://www.mnwest.edu/faculty-webpages/nursing-assistant</a>   |
| Nursing Assistant                          | Normandale Community College                 | Bloomington  | No           | 4 Credits | 1 Semester | Certificate | No                              | No                  | <a href="http://normandale.smartcatalogiq.com/2021-2022/Catalog/Programs-of-Study/Nursing-Assistant-Certificate">http://normandale.smartcatalogiq.com/2021-2022/Catalog/Programs-of-Study/Nursing-Assistant-Certificate</a>         |
| Nursing Assistant                          | Northwest Technical College                  | Bemidji  | No           | 4 Credits | 1 Semester | Certificate | No                              | No                  | <a href="https://www.ntcmn.edu/career-paths/health-care/nursing/admission-to-nursing/certificate-nursing-assistant/">https://www.ntcmn.edu/career-paths/health-care/nursing/admission-to-nursing/certificate-nursing-assistant/</a> |
| Nursing Assistant                          | Northland Community & Technical College      | Thief River Falls                                      | No           | 3 Credits | 1 Semester | Certificate | No                              | No                  | <a href="http://www.northlandcollege.edu/programs/nursing/program_detail.php?program_code=700">http://www.northlandcollege.edu/programs/nursing/program_detail.php?program_code=700</a>   |
| Nursing Assistant                          | Pine Technical & Community College           | Pine City  | No           | 3 Credits | 1 Semester | Certificate | No                              | No                  | <a href="https://www.pine.edu/programs/health-science-and-nursing/nursing-assistant-and-trained-medication-aide/">https://www.pine.edu/programs/health-science-and-nursing/nursing-assistant-and-trained-medication-aide/</a>       |
| Nursing Assistant                          | Ridgewater College                           | Hutchinson & Wilmar                                    | No           | 4 Credits | 5 Weeks    | Certificate | No                              | No                  | <a href="https://ridgewater.edu/academics/areas-of-study/health-care/nursing-assistant-program/">https://ridgewater.edu/academics/areas-of-study/health-care/nursing-assistant-program/</a>   |
| <input type="checkbox"/> Nursing Assistant | Saint Anne of Winona                         | Winona   | Yes, partial |           | 10 Days    | Certificate | No                              | No                  | <a href="https://www.benedictineliving.org/winona-mn/training-center/">https://www.benedictineliving.org/winona-mn/training-center/</a>   |
| Nursing Assistant & Home Health Aide       | Alexandria Technical College                 | Alexandria   | No           | 3 Credits | 84 Hours   | Certificate | No                              | No                  | <a href="https://www.alextech.edu/customized-training/nursing-assistant-home-health-aide">https://www.alextech.edu/customized-training/nursing-assistant-home-health-aide</a>   |
| Nursing Assistant & Home Health Aide       | Fond du Lac Tribal and Community College     | Cloquet  | No           | 4 Credits | 1 Semester | Certificate | No                              | No                  | <a href="https://fdlcc.edu/academics/degree-and-certificate-programs/certificate-programs/home-health-aid/">https://fdlcc.edu/academics/degree-and-certificate-programs/certificate-programs/home-health-aid/</a>                   |
| Nursing Assistant & Home Health Aide       | Lake Superior College                        | Duluth   | No           | 4 Credits | 1 Semester | Certificate | No                              | No                  | <a href="https://degrees.lsc.edu/wp-content/uploads/Nursing-Assistant-Home-Health-Aide.pdf">https://degrees.lsc.edu/wp-content/uploads/Nursing-Assistant-Home-Health-Aide.pdf</a>   |
| Nursing Assistant & Home Health Aide       | Rainy River Community College                | International Falls                                    | No           | 4 Credits | 1 Semester | Certificate | No                              | No                  | <a href="https://www.rainyriver.edu/academics/programs/nursing-assistant">https://www.rainyriver.edu/academics/programs/nursing-assistant</a>   |

**HEALTH CARE — Certified Nursing Assistant**

| Program                              | Training Institution                      | Location                       | Online | Credit    | Duration   | Credential  | Has participated in DTG Program | Competencies Mapped | URL   |
|--------------------------------------|---|--------------------------------|--------|-----------|------------|-------------|---------------------------------|---------------------|---|
| Nursing Assistant & Home Health Aide | Riverland Community College               | Albert Lea, Austin, & Owatonna | No     | 4 Credits | 6 Weeks    | Certificate | No                              | No                  | <a href="https://www.riverland.edu/academics/programs/nursing-assistant-home-health-aide-cert/description/">https://www.riverland.edu/academics/programs/nursing-assistant-home-health-aide-cert/description/</a>   |
| Nursing Assistant & Home Health Aide | Anoka Technical College                   | Anoka                          | No     | 5 Credits | 1 Semester | Certificate | No                              | No                  | <a href="http://www.anokatech.edu/ProgramsCourses/HealthScienceTech/NursingAssistantHomeHealthAide.aspx">http://www.anokatech.edu/ProgramsCourses/HealthScienceTech/NursingAssistantHomeHealthAide.aspx</a>   |
| Nursing Assistant & Home Health Aide | Hennepin Technical College                | Brooklyn Park & Eden Prairie   | No     | 5 Credits | 1 Semester | Certificate | No                              | No                  | <a href="https://hennepintech.edu/academic-programs/health/nursing-assistant-home-health-aide/index.html">https://hennepintech.edu/academic-programs/health/nursing-assistant-home-health-aide/index.html</a>   |
| Nursing Assistant & Home Health Aide | Mesabi Range College                      | Virginia                       | No     | 4 Credits | 1 Semester | Certificate | No                              | No                  | <a href="https://www.mesabirange.edu/programs/practical-nursing">https://www.mesabirange.edu/programs/practical-nursing</a>   |
| Nursing Assistant & Home Health Aide | Minneapolis Community & Technical College | Minneapolis                    | No     | 5 Credits | 1 Semester | Certificate | No                              | No                  | <a href="https://www.minneapolis.edu/academics/school-nursing-health-sciences-public-services/nursing-assistant/home-health-aide">https://www.minneapolis.edu/academics/school-nursing-health-sciences-public-services/nursing-assistant/home-health-aide</a> |
| Nursing Assistant & Home Health Aide | Saint Paul College                        | Saint Paul                     | No     | 5 Credits | 1 Semester | Certificate | No                              | No                  | <a href="https://www.saintpaul.edu/programs/Pages/nursing-assistant-home-health-aide.aspx">https://www.saintpaul.edu/programs/Pages/nursing-assistant-home-health-aide.aspx</a>   |



**HEALTH CARE — Community Paramedic**

| Program                         | Training Institution          | Location            | Online       | Credit | Duration     | Credential  | Has participated in DTG Program | Competencies Mapped | URL   |
|---------------------------------|-------------------------------|---------------------|--------------|--------|--------------|-------------|---------------------------------|---------------------|---|
| Community Paramedic Certificate | Century College               | White Bear Lake     | Yes, partial | 12     | One semester | Certificate | No                              | No                  | <a href="http://catalog.century.edu/preview_program.php?catoid=9&amp;pooid=1947&amp;returnto=443">http://catalog.century.edu/preview_program.php?catoid=9&amp;pooid=1947&amp;returnto=443</a>   |
| Community Paramedic Certificate | Inver Hills Community College | Inver Grove Heights | Yes, partial | 12     | One semester | Certificate | No                              | No                  | <a href="https://www.inverhills.edu/DegreesAndPrograms/EMS/index.aspx#/certs">https://www.inverhills.edu/DegreesAndPrograms/EMS/index.aspx#/certs</a>   |
| Community Paramedic Clinician   | Hennepin Technical College    | Brooklyn Park       | Yes, partial | 14     | One semester | Certificate | No                              | No                  | <a href="http://hennepintech.smartcatalogiq.com/2020-2021/Catalog/Degrees-and-Programs/Emergency-and-Public-Service/Emergency-Medical-Services/Community-Service">http://hennepintech.smartcatalogiq.com/2020-2021/Catalog/Degrees-and-Programs/Emergency-and-Public-Service/Emergency-Medical-Services/Community-Service</a> |
| Community Paramedic Technician  | Hennepin Technical College    | Brooklyn Park       | Yes, partial | 11     | One semester | Certificate | No                              | No                  | <a href="http://hennepintech.smartcatalogiq.com/2020-2021/Catalog/Degrees-and-Programs/Emergency-and-Public-Service/Emergency-Medical-Services/Community-Service">http://hennepintech.smartcatalogiq.com/2020-2021/Catalog/Degrees-and-Programs/Emergency-and-Public-Service/Emergency-Medical-Services/Community-Service</a> |

HEALTH CARE — Community Health Worker

| Program                             | Training Institution                           | Location  | Online       | Credit | Duration     | Credential  | Has participated in DTG Program | Competencies Mapped | URL   |
|-------------------------------------|--|---|--------------|--------|--------------|-------------|---------------------------------|---------------------|---|
| Community Health Worker Certificate | Minneapolis Community and Technical College    | Minneapolis   | Yes, partial | Yes    | One semester | Certificate | No                              | No                  | <a href="https://www.minneapolis.edu/academics/school-nursing-health-sciences-wellness/community-health-worker">https://www.minneapolis.edu/academics/school-nursing-health-sciences-wellness/community-health-worker</a>   |
| Community Health Worker Certificate | Normandale Community College                   | Bloomington   | Yes, partial | Yes    | One semester | Certificate | No                              | No                  | <a href="http://normandale.smartcatalogiq.com/en/2021-2022/Catalog/Programs-of-Study/Community-Health-Worker-Navigator-Certificate">http://normandale.smartcatalogiq.com/en/2021-2022/Catalog/Programs-of-Study/Community-Health-Worker-Navigator-Certificate</a> |
| Community Health Worker Certificate | Northwest Technical College                    | Bemidji   | Yes, partial | Yes    | One semester | Certificate | No                              | No                  | <a href="https://www.ntcmn.edu/career-paths/health-care/community-health-worker/degrees-credentials/">https://www.ntcmn.edu/career-paths/health-care/community-health-worker/degrees-credentials/</a>   |
| Community Health Worker Certificate | Rochester Community and Technical College      | Rochester   | Yes, partial | Yes    | One semester | Certificate | Yes                             | Yes                 | <a href="https://www.rctc.edu/program/chw/">https://www.rctc.edu/program/chw/</a>   |
| Community Health Worker Certificate | St. Catherine University                       | St. Paul  | Yes, partial | Yes    | One semester | Certificate | No                              | No                  | <a href="https://catalog.stkate.edu/undergraduate/health/public-health/community-health-worker-certificate/#text">https://catalog.stkate.edu/undergraduate/health/public-health/community-health-worker-certificate/#text</a>                                     |
| Community Health Worker Certificate | Minnesota West Community and Technical College | Granite Falls   | Yes, partial | Yes    | One semester | Certificate | No                              | No                  | <a href="https://www.saioic.org/courses/community-health-worker/">https://www.saioic.org/courses/community-health-worker/</a>   |
| Community Health Worker Certificate | Minnesota West Community and Technical College | Jackson   | Yes, partial | Yes    | One semester | Certificate | No                              | No                  | <a href="https://www.saioic.org/courses/community-health-worker/">https://www.saioic.org/courses/community-health-worker/</a>   |
| Community Health Worker Certificate | Minnesota West Community and Technical College | Pipestone   | Yes, partial | Yes    | One semester | Certificate | No                              | No                  | <a href="https://www.mnwest.edu/programs-courses/list/community-health-worker-certificate">https://www.mnwest.edu/programs-courses/list/community-health-worker-certificate</a>   |
| Community Health Worker Certificate | Minnesota West Community and Technical College | Canby, Granite Falls, Jackson, Pipestone, Worthington | Yes          | Yes    | One semester | Certificate | No                              | No                  | <a href="http://www.mnwest.edu/programs-courses/list/community-health-worker-certificate">http://www.mnwest.edu/programs-courses/list/community-health-worker-certificate</a>   |

HEALTH CARE — Critical Care Nurse

| Program                                | Training Institution          | Location               | Online  | Credit | Duration    | Credential | Has participated in DTG Program | Competencies Mapped | URL   |
|--|-------------------------------|------------------------|---------|--------|-------------|------------|---------------------------------|---------------------|---|
| Accelerated Nursing Post Baccalaureate | Concordia College             | Moorhead               | Partial |        | 16 months   | Bachelors  | No                              | No                  | <a href="https://concordiacontinuingstudies.com/graduate-accelerated-post-bacc/accelerated-nursing/">https://concordiacontinuingstudies.com/graduate-accelerated-post-bacc/accelerated-nursing/</a>   |
| Bachelor of Science in Nursing         | Concordia University          | Saint Paul             | Partial | 121    | 4 years     | Bachelors  | No                              | No                  | <a href="https://www.csp.edu/academic-programs/nursing/">https://www.csp.edu/academic-programs/nursing/</a>   |
| Bachelor of Science in Nursing         | University of Minnesota       | Minneapolis, Rochester | Partial |        | Varies      | Bachelors  | No                              | No                  | <a href="https://www.nursing.umn.edu/degrees-programs/bachelor-science-nursing">https://www.nursing.umn.edu/degrees-programs/bachelor-science-nursing</a>   |
| Bachelor's to DNP                      | College of St. Scholastica    | Duluth, St. Cloud      | Yes     | 79-83  | 4 years     | Doctorate  | No                              | No                  | <a href="https://www.css.edu/academics/programs/doctorate/bachelors-to-doctor-of-nursing-practice/">https://www.css.edu/academics/programs/doctorate/bachelors-to-doctor-of-nursing-practice/</a>   |
| BSN                                    | Crown College                 | St. Bonifacius         | Partial | 120    | 4 years     | Bachelors  | No                              | No                  | <a href="https://www.crown.edu/on-campus-degree-programs/nursing/nursing-bsn/">https://www.crown.edu/on-campus-degree-programs/nursing/nursing-bsn/</a>   |
| BSN                                    | Herzing University            | Various                | Partial | 120    | 36 months+  | Bachelors  | No                              | No                  | <a href="https://www.herzing.edu/nursing/bachelor-science-nursing-bsn-degree">https://www.herzing.edu/nursing/bachelor-science-nursing-bsn-degree</a>   |
| Master of Nursing                      | University of Minnesota       | Minneapolis            | Partial |        | 16 months   | Masters    | No                              | No                  | <a href="https://www.nursing.umn.edu/degrees-programs/master-nursing">https://www.nursing.umn.edu/degrees-programs/master-nursing</a>   |
| Master of Science in Nursing           | Rasmussen College             | 8 locations in MN      | Yes     |        | 18 months+  | Masters    | No                              | No                  | <a href="https://www.rasmussen.edu/degrees/nursing/master-science-nursing/">https://www.rasmussen.edu/degrees/nursing/master-science-nursing/</a>   |
| Master of Science in Nursing           | MN State University Moorhead  | Moorhead               | Partial | 41-42  | Varies      | Masters    | No                              | No                  | <a href="https://www.mnstate.edu/graduate/nursing/courses.aspx">https://www.mnstate.edu/graduate/nursing/courses.aspx</a>   |
| Master of Science in Nursing (ELMSN)   | Metropolitan State University | St. Paul               | Partial |        | 7 semesters | Masters    | No                              | No                  | <a href="https://www.metrostate.edu/academics/nursing-and-health-sciences/nursing">https://www.metrostate.edu/academics/nursing-and-health-sciences/nursing</a>   |
| Nursing                                | St. Cloud State University    | St. Cloud              | Partial | 98     | 4 years     | Bachelors  | No                              | No                  | <a href="https://catalog.stcloudstate.edu/~Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;catalogid=7&amp;topicgroupid=1780">https://catalog.stcloudstate.edu/~Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;catalogid=7&amp;topicgroupid=1780</a> |
| Nursing                                | Winona State University       | Winona                 | Partial | 120    | 4 years     | Bachelors  | No                              | No                  | <a href="https://www.winona.edu/undergrad-nursing/pre-licensure-program.asp">https://www.winona.edu/undergrad-nursing/pre-licensure-program.asp</a>   |
| Nursing                                | Bethany Lutheran College      | Mankato                | Partial | 120    | 4 years     | Bachelors  | No                              | No                  | <a href="https://blc.edu/academics/programs/nursing-major/">https://blc.edu/academics/programs/nursing-major/</a>   |
| Nursing                                | Bethel University             | St. Paul               | Partial | 120    | 4 years     | Bachelors  | No                              | No                  | <a href="https://www.bethel.edu/undergrad/academics/nursing/majors-minors/nursing">https://www.bethel.edu/undergrad/academics/nursing/majors-minors/nursing</a>   |
| Nursing                                | Saint Benedicts/Saint John's  | St. Joseph             | Partial | 120    | 4 years     | Bachelors  | No                              | No                  | <a href="https://www.csbsju.edu/nursing">https://www.csbsju.edu/nursing</a>   |
| Nursing                                | College of St. Scholastica    | Duluth                 | Partial | 120    | 4 years     | Bachelors  | No                              | No                  | <a href="http://www.css.edu/undergraduate/undergraduate-traditional/academics/nursing/nursing.html">http://www.css.edu/undergraduate/undergraduate-traditional/academics/nursing/nursing.html</a>   |
| Nursing                                | Concordia College             | Moorhead               | Partial | 120    | 4 years     | Bachelors  | No                              | No                  | <a href="https://www.concordiacollege.edu/academics/programs-of-study/nursing/">https://www.concordiacollege.edu/academics/programs-of-study/nursing/</a>   |

HEALTH CARE — Critical Care Nurse

| Program                           | Training Institution                | Location                         | Online  | Credit | Duration        | Credential | Has participated in DTG Program | Competencies Mapped | URL   |
|-----------------------------------|-------------------------------------|----------------------------------|---------|--------|-----------------|------------|---------------------------------|---------------------|---|
| Nursing                           | Gustavus Adolphus                   | St. Peter                        | Partial | 120    | 4 years         | Bachelors  | No                              | No                  | <a href="https://gustavus.edu/nursing/ProgramOverview2.php">https://gustavus.edu/nursing/ProgramOverview2.php</a>   |
| Nursing                           | Presentation College                | Fairmont                         | Yes     | 120    | 4 years         | Bachelors  | No                              | No                  | <a href="https://www.presentation.edu/academics/programs/nursing-bsn">https://www.presentation.edu/academics/programs/nursing-bsn</a>   |
| Nursing                           | St. Catherine University            | Saint Paul                       | Partial | 120    | 4 years         | Bachelors  | No                              | No                  | <a href="https://www.stkate.edu/academics/academic-programs/cfw-nursing">https://www.stkate.edu/academics/academic-programs/cfw-nursing</a>                                     |
| Nursing                           | St. Olaf College                    | Northfield                       | Partial | 120    | 4 years         | Bachelors  | No                              | No                  | <a href="https://wp.stolaf.edu/nursing/">https://wp.stolaf.edu/nursing/</a>   |
| Nursing                           | University of Northwestern          | Saint Paul                       | Partial | 134    | 4 years         | Bachelors  | No                              | No                  | <a href="https://unwsp.edu/program/nursing">https://unwsp.edu/program/nursing</a>   |
| Nursing Anesthesia MSN            | Metropolitan State University       | St. Paul                         | Partial | 60     | 5 semesters     | Masters    | No                              | No                  | <a href="https://www.metrostate.edu/academics/programs/nursing-anesthesia">https://www.metrostate.edu/academics/programs/nursing-anesthesia</a>                                 |
| Nursing BSN                       | Minnesota State University-Moorhead | Moorhead                         | Yes     |        | Varies          | Bachelors  | No                              | No                  | <a href="https://www.mnstate.edu/rn-bsn/">https://www.mnstate.edu/rn-bsn/</a>   |
| Nursing Practice DNP              | Metropolitan State University       | St. Paul                         | Partial | 63 /80 | Varies          | Doctorate  | No                              | No                  | <a href="https://www.metrostate.edu/academics/programs/nursing-practice-dnp#requirements">https://www.metrostate.edu/academics/programs/nursing-practice-dnp#requirements</a>   |
| Nursing, Bachelor of Science (BS) | Minnesota State University Mankato  | Mankato                          | Partial | 120    | 4 years         | Bachelors  | No                              | No                  | <a href="https://ahn.mnsu.edu/academic-programs/nursing-bs/nursing-pre-licensure-program/">https://ahn.mnsu.edu/academic-programs/nursing-bs/nursing-pre-licensure-program/</a> |
| PhD in Nursing                    | University of Minnesota             | Minneapolis                      | Partial |        | 4 years+        | Doctorate  | No                              | No                  | <a href="https://www.nursing.umn.edu/degrees-programs/phd-nursing">https://www.nursing.umn.edu/degrees-programs/phd-nursing</a>   |
| Post-Baccalaureate Nursing Track  | College of St. Scholastica          | Duluth, St. Cloud                | Partial |        | 15 months       | Bachelors  | No                              | No                  | <a href="https://www.css.edu/academics/programs/undergraduate/post-baccalaureate-nursing/">https://www.css.edu/academics/programs/undergraduate/post-baccalaureate-nursing/</a> |
| RN Baccalaureate Completion       | Minnesota State University Mankato  | Mankato                          | Partial | 30+    | Varies          | Bachelors  | No                              | No                  | <a href="https://ahn.mnsu.edu/academic-programs/nursing/rn-baccalaureate-completion/">https://ahn.mnsu.edu/academic-programs/nursing/rn-baccalaureate-completion/</a>           |
| RN to BSN                         | Southwest MN State University       | Marshall                         | Yes     | 82     | Varies          | Bachelors  | No                              | No                  | <a href="https://www.smsu.edu/academics/programs/rntobs/index.html">https://www.smsu.edu/academics/programs/rntobs/index.html</a>   |
| RN to BSN                         | Winona State University             | Rochester, La Crescent, Red Wing | Partial | 40+    | Varies          | Bachelors  | No                              | No                  | <a href="https://www.winona.edu/undergrad-nursing/rn-bs-completion-program.asp">https://www.winona.edu/undergrad-nursing/rn-bs-completion-program.asp</a>                       |
| RN to BSN                         | Concordia University                | Saint Paul                       | Yes     | 36     | Varies          | Bachelors  | No                              | No                  | <a href="https://online.csp.edu/academics/rn-to-bsn">https://online.csp.edu/academics/rn-to-bsn</a>   |
| RN to BSN                         | Rasmussen College                   | 8 locations in MN                | Yes     |        | 12 or 18 months | Bachelors  | No                              | No                  | <a href="https://www.rasmussen.edu/degrees/nursing/rn-bsn/">https://www.rasmussen.edu/degrees/nursing/rn-bsn/</a>   |
| RN to BSN Online                  | College of St. Scholastica          | Duluth                           | Yes     | 40+    | Varies          | Bachelors  | No                              | No                  | <a href="https://www.css.edu/academics/programs/undergraduate/rn-to-bs-in-nursing/">https://www.css.edu/academics/programs/undergraduate/rn-to-bs-in-nursing/</a>               |

HEALTH CARE — Dental Assistant

| Program                                       | Training Institution                           | Location                     | Online       | Credit     | Duration    | Credential        | Has participated in DTG Program | Competencies Mapped | URL   |
|---|--|------------------------------|--------------|------------|-------------|-------------------|---------------------------------|---------------------|---|
| Allied Dental Clinical Sedation Certification | South Central College                          | Mankato                      | Partial      | No         | Accelerated | Certificate       | No                              | No                  | <a href="http://southcentral.edu/Workforce/allied-dental-clinical-sedation-certification.html">http://southcentral.edu/Workforce/allied-dental-clinical-sedation-certification.html</a>   |
| Dental Assistant                              | Century College                                | White Bear Lake              | Yes, partial | 48 Credits | 4 Semesters | Diploma           | No                              | No                  | <a href="http://catalog.century.edu/preview_program.php?catoid=5&amp;poiid=1028&amp;returnto=252">http://catalog.century.edu/preview_program.php?catoid=5&amp;poiid=1028&amp;returnto=252</a>   |
| Dental Assistant                              | Dakota County Technical College                | Rosemount                    | Yes, partial | 40 Credits | 4 Semesters | Diploma           | No                              | No                  | <a href="https://www.dctc.edu/academics/programs-majors/health-education/dental-assistant/dental-assistant-diploma/">https://www.dctc.edu/academics/programs-majors/health-education/dental-assistant/dental-assistant-diploma/</a>   |
| Dental Assistant                              | Hennepin Technical College                     | Brooklyn Park & Eden Prairie | Yes, partial | 49 Credits | 4 Semesters | Diploma           | No                              | No                  | <a href="https://hennepintech.smartcatalogiq.com/2018-2019/Catalog/Degrees-and-Programs/Health/Dental-Assistant/Dental-Assistant-BP-EP-Diploma">https://hennepintech.smartcatalogiq.com/2018-2019/Catalog/Degrees-and-Programs/Health/Dental-Assistant/Dental-Assistant-BP-EP-Diploma</a>   |
| Dental Assistant                              | Hibbing Community College                      | Hibbing                      | Yes, partial | 40 Credits | 4 Semesters | Diploma           | No                              | No                  | <a href="https://hibbing.edu/academics/areas-of-study/medical-dental/dental-assistant-diploma">https://hibbing.edu/academics/areas-of-study/medical-dental/dental-assistant-diploma</a>   |
| Dental Assistant                              | Minneapolis Community and Technical College    | Minneapolis                  | Yes, partial | 35 Credits | 3 Semesters | Diploma           | No                              | No                  | <a href="https://mctc.decisionacademic.com/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=1976&amp;topicid=2600&amp;loadusercredits=True&amp;ga=2.254410248.1639987">https://mctc.decisionacademic.com/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=1976&amp;topicid=2600&amp;loadusercredits=True&amp;ga=2.254410248.1639987</a> |
| Dental Assistant                              | Minnesota West Community and Technical College | Canby                        | Yes, partial | 48 Credits | 4 Semesters | Diploma           | No                              | No                  | <a href="https://www.mnwest.edu/programs-courses/list/dental-assistant-diploma">https://www.mnwest.edu/programs-courses/list/dental-assistant-diploma</a>   |
| Dental Assistant                              | Rochester Community and Technical College      | Rochester                    | Yes, partial | 47 Credits | 4 Semesters | Diploma           | No                              | No                  | <a href="https://www.rctc.edu/program/da/">https://www.rctc.edu/program/da/</a>   |
| Dental Assistant                              | St. Cloud Technical and Community College      | St. Cloud                    | Yes, partial | 53 Credits | 4 Semesters | Diploma           | No                              | No                  | <a href="https://www.sctcc.edu/degrees-programs/dental-assistant/dental-assistant-diploma-53-credits">https://www.sctcc.edu/degrees-programs/dental-assistant/dental-assistant-diploma-53-credits</a>   |
| Dental Assistant                              | Century College                                | White Bear Lake              | Yes, partial | 64 Credits | 4 Semesters | Associates Degree | No                              | No                  | <a href="http://catalog.century.edu/preview_program.php?catoid=5&amp;poiid=1029&amp;returnto=252">http://catalog.century.edu/preview_program.php?catoid=5&amp;poiid=1029&amp;returnto=252</a>   |
| Dental Assistant                              | Dakota County Technical College                | Rosemount                    | Yes, partial | 60 Credits | 4 Semesters | Associates Degree | No                              | No                  | <a href="https://www.dctc.edu/academics/programs-majors/health-education/dental-assistant/dental-assistant-aas-degree/">https://www.dctc.edu/academics/programs-majors/health-education/dental-assistant/dental-assistant-aas-degree/</a>   |
| Dental Assistant                              | Hennepin Technical College                     | Brooklyn Park & Eden Prairie | Yes, partial | 60 Credits | 4 Semesters | Associates Degree | No                              | No                  | <a href="https://hennepintech.smartcatalogiq.com/en/2018-2019/Catalog/Degrees-and-Programs/Health/Dental-Assistant/Dental-Assistant-BP-EP-Associate-in-Applied-">https://hennepintech.smartcatalogiq.com/en/2018-2019/Catalog/Degrees-and-Programs/Health/Dental-Assistant/Dental-Assistant-BP-EP-Associate-in-Applied-</a>                                     |
| Dental Assistant                              | Hibbing Community College                      | Hibbing                      | Yes, partial | 60 Credits | 4 Semesters | Associates Degree | No                              | No                  | <a href="https://hibbing.edu/academics/areas-of-study/medical-dental/dental-assistant-aas-degree">https://hibbing.edu/academics/areas-of-study/medical-dental/dental-assistant-aas-degree</a>   |
| Dental Assistant                              | Minnesota West Community and Technical College | Canby                        | Yes, partial | 60 Credits | 4 Semesters | Associates Degree | No                              | No                  | <a href="https://www.mnwest.edu/programs-courses/list/dental-assistant-aas">https://www.mnwest.edu/programs-courses/list/dental-assistant-aas</a>   |
| Dental Assistant                              | Rochester Community and Technical College      | Rochester                    | Yes, partial | 64 Credits | 4 Semesters | Associates Degree | No                              | No                  | <a href="https://www.rctc.edu/program/da/">https://www.rctc.edu/program/da/</a>   |
| Dental Assistant                              | St. Cloud Technical and Community College      | St. Cloud                    | Yes, partial | 60 Credits | 4 Semesters | Associates Degree | No                              | No                  | <a href="https://www.sctcc.edu/degrees-programs/dental-assistant/dental-assistant-aas-60-credits">https://www.sctcc.edu/degrees-programs/dental-assistant/dental-assistant-aas-60-credits</a>   |
| Dental Assistant (Expanded Functions)         | Rochester Community and Technical College      | Rochester                    | Yes, partial | 13 Credits | 2 Semesters | Certificate       | No                              | No                  | <a href="https://www.rctc.edu/program/da/">https://www.rctc.edu/program/da/</a>   |

HEALTH CARE — Dental Assistant

| Program  | Training Institution                          | Location        | Online       | Credit     | Duration                     | Credential        | Has participated in DTG Program | Competencies Mapped | URL   |
|--|---|-----------------|--------------|------------|------------------------------|-------------------|---------------------------------|---------------------|---|
| Dental Assistant (Expanded Functions)              | Minneapolis Community and Technical College   | Minneapolis     | Yes, partial | 16 Credits | 2 Semesters                  | Certificate       | No                              | No                  | <a href="https://mctc.decisionacademic.com/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=1976&amp;topicid=2601&amp;loadusercredits=True&amp;_ga=2.49871270.16399877">https://mctc.decisionacademic.com/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=1976&amp;topicid=2601&amp;loadusercredits=True&amp;_ga=2.49871270.16399877</a> |
| Dental Assisting                                   | Central Lakes College                         | Brainerd        | Yes, partial | 44 Credits | 3 Semesters                  | Diploma           | No                              | No                  | <a href="http://www.clcmn.edu/dental-assistant-diploma-2/">http://www.clcmn.edu/dental-assistant-diploma-2/</a>   |
| Dental Assisting                                   | Minnesota State Community & Technical College | Fergus Falls    | Yes, partial | 48 Credits | 4 Semesters                  | Diploma           | No                              | No                  | <a href="https://www.minnesota.edu/programs_majors.php?prog_code=195#/">https://www.minnesota.edu/programs_majors.php?prog_code=195#/</a>   |
| Dental Assisting                                   | Northwest Technical College                   | Bemidji         | Yes, partial | 45 Credits | 4 Semesters                  | Diploma           | No                              | No                  | <a href="https://www.ntcmn.edu/career-paths/health-care/dental-assisting/degrees-credentials/diploma-dental-assisting/">https://www.ntcmn.edu/career-paths/health-care/dental-assisting/degrees-credentials/diploma-dental-assisting/</a>   |
| Dental Assisting                                   | South Central College                         | North Mankato   | Yes, partial | 52 Credits | 4 Semesters                  | Diploma           | No                              | No                  | <a href="https://southcentral.edu/Majors-and-Programs/dental-assisting-program.html">https://southcentral.edu/Majors-and-Programs/dental-assisting-program.html</a>   |
| Dental Assisting                                   | Central Lakes College                         | Brainerd        | Yes, partial | 60 Credits | 3 Semesters & Summer Session | Associates Degree | No                              | No                  | <a href="http://www.clcmn.edu/dental-assisting-a-a-s-degree-2/">http://www.clcmn.edu/dental-assisting-a-a-s-degree-2/</a>   |
| Dental Assisting                                   | Minnesota State Community & Technical College | Fergus Falls    | Yes, partial | 63 Credits | 3 Semesters                  | Associates Degree | No                              | No                  | <a href="https://www.minnesota.edu/programs/dental/">https://www.minnesota.edu/programs/dental/</a>   |
| Dental Assisting                                   | Northwest Technical College                   | Bemidji         | Yes, partial | 60 Credits | 4 Semesters                  | Associates Degree | No                              | No                  | <a href="https://www.ntcmn.edu/career-paths/health-care/dental-assisting/degrees-credentials/aas-dental-assisting/">https://www.ntcmn.edu/career-paths/health-care/dental-assisting/degrees-credentials/aas-dental-assisting/</a>   |
| Dental Assisting                                   | South Central College                         | Mankato         | Yes, partial | 63 Credits | 4 Semesters                  | Associates Degree | No                              | No                  | <a href="https://southcentral.edu/Majors-and-Programs/dental-assisting-program.html">https://southcentral.edu/Majors-and-Programs/dental-assisting-program.html</a>   |
| Dental Assisting                                   | Minnesota State Community & Technical College | Moorhead        | Yes, partial | 48 Credits | 4 Semesters                  | Diploma           | No                              | No                  | <a href="https://www.minnesota.edu/programs_majors.php?prog_code=195#/">https://www.minnesota.edu/programs_majors.php?prog_code=195#/</a>   |
| Dental Assisting                                   | Minnesota State Community & Technical College | Moorhead        | Yes, partial | 63 Credits | 4 Semesters                  | Associates Degree | No                              | No                  | <a href="https://www.minnesota.edu/programs_majors.php?prog_code=198#/">https://www.minnesota.edu/programs_majors.php?prog_code=198#/</a>   |
| Dental Practice Management                         | Century College                               | White Bear Lake | No           | 16 Credits | 1 Semester                   | Certificate       | No                              | No                  | <a href="http://catalog.century.edu/preview_degree_planner.php?catoid=5&amp;poid=1031&amp;returnto=252&amp;print">http://catalog.century.edu/preview_degree_planner.php?catoid=5&amp;poid=1031&amp;returnto=252&amp;print</a>   |
| Sedation Monitoring and IV Assistant Certification | Sedation Consult, LLC                         | Twin Cities     | No           | No         | Accelerated                  | Certificate       | No                              | No                  | <a href="https://www.sedationconsult.com/monitoring-sedgen-anesthesia-course.html#/">https://www.sedationconsult.com/monitoring-sedgen-anesthesia-course.html#/</a>   |

HEALTH CARE — Electronic Health Records Specialist

| Program                              | Training Institution                       | Location                    | Online       | Credit     | Duration        | Credential        | Has participated in DTG Program | Competencies Mapped | URL   |
|--------------------------------------|--|-----------------------------|--------------|------------|-----------------|-------------------|---------------------------------|---------------------|---|
| Coding Specialist                    | Rochester Community and Technical College  | Rochester                   | Yes, partial | 40 credits | 1.5 years       | Diploma           | No                              | No                  | <a href="https://www.rctc.edu/program/hit/">https://www.rctc.edu/program/hit/</a>   |
| Health Information Technology        | Rochester Community and Technical College  | Rochester                   | Yes, partial | 64 credits | Two years       | Associates Degree | No                              | No                  | <a href="https://www.rctc.edu/program/hit/">https://www.rctc.edu/program/hit/</a>   |
| Healthcare Administrative Specialist | Central Lakes College                      | Brainerd                    | Yes, partial | 31 credits | One year        | Diploma           | No                              | No                  | <a href="http://www.clcmn.edu/healthcare-administrative-specialist-diploma-2/">http://www.clcmn.edu/healthcare-administrative-specialist-diploma-2/</a>   |
| Healthcare Administrative Specialist | Central Lakes College                      | Brainerd                    | Yes, partial | 60 credits | Two years       | Associates Degree | No                              | No                  | <a href="http://www.clcmn.edu/healthcare-administrative-specialist-a-a-s-degree-2/">http://www.clcmn.edu/healthcare-administrative-specialist-a-a-s-degree-2/</a>   |
| Healthcare Administrative Support    | Northwest Technical College                | Bemidji                     | No           | 40 credits | One year        | Diploma           | No                              | No                  | <a href="https://www.ntcmn.edu/career-paths/health-care/health-care-support/degrees-credentials/diploma-healthcare-administrative-support/">https://www.ntcmn.edu/career-paths/health-care/health-care-support/degrees-credentials/diploma-healthcare-administrative-support/</a>   |
| Healthcare Documentation Specialist  | Saint Paul College                         | St. Paul                    | Some classes | 30 credits | Three semesters | Certificate       | No                              | No                  | <a href="https://www.saintpaul.edu/programs/ProgramGuides/HealthcareDocumentsSpecialistCertificate.pdf">https://www.saintpaul.edu/programs/ProgramGuides/HealthcareDocumentsSpecialistCertificate.pdf</a>   |
| Healthcare Informatics Diploma       | Rochester Community and Technical College  | Rochester                   | Yes, partial | 32 credits | One year        | Diploma           | No                              | No                  | <a href="https://www.rctc.edu/program/hit/">https://www.rctc.edu/program/hit/</a>   |
| Medical Administrative Assistant     | Hennepin Technical College                 | Brooklyn Park, Eden Prairie | No           | 48 credits | Two years       | Diploma           | No                              | No                  | <a href="http://hennepintech.smartcatalogiq.com/en/2018-2019/Catalog/Degrees-and-Programs/Health/Medical-Office/Medical-Administrative-Assistant-BP-EP-Diploma">http://hennepintech.smartcatalogiq.com/en/2018-2019/Catalog/Degrees-and-Programs/Health/Medical-Office/Medical-Administrative-Assistant-BP-EP-Diploma</a>     |
| Medical Administrative Assistant     | Hennepin Technical College                 | Brooklyn Park, Eden Prairie | No           | 60 credits | Two years       | Associates Degree | No                              | No                  | <a href="http://hennepintech.smartcatalogiq.com/en/2018-2019/Catalog/Degrees-and-Programs/Health/Medical-Office/Medical-Administrative-Assistant-BP-EP-Associate">http://hennepintech.smartcatalogiq.com/en/2018-2019/Catalog/Degrees-and-Programs/Health/Medical-Office/Medical-Administrative-Assistant-BP-EP-Associate</a> |
| Medical Administrative Assistant     | MN State College Southeast                 | Winona                      | Yes, partial | 60 credits | Two years       | Associates Degree | No                              | No                  | <a href="http://www.southeastmn.edu/academic_programs/Major.aspx?MajorID=686">http://www.southeastmn.edu/academic_programs/Major.aspx?MajorID=686</a>   |
| Medical Administrative Assistant     | MN State Community and Technical College   | Moorhead                    | Yes          | 60 credits | Two years       | Associates Degree | No                              | No                  | <a href="http://www.minnesota.edu/programs_majors.php?prog_code=390#/">http://www.minnesota.edu/programs_majors.php?prog_code=390#/</a>   |
| Medical Administrative Assistant     | Northland Community and Technical College  | Thief River Falls           | Yes, partial | 60 credits | Two years       | Associates Degree | No                              | No                  | <a href="http://www.northlandcollege.edu/programs/medical_administrative/program_detail.php?program_code=390">http://www.northlandcollege.edu/programs/medical_administrative/program_detail.php?program_code=390</a>   |
| Medical Administrative Assistant     | Riverland Community College                | Albert Lea                  | Yes, partial | 34 credits | One year        | Diploma           | No                              | No                  | <a href="https://www.riverland.edu/academics/programs/medical-administrative-assistant-dip1/description/">https://www.riverland.edu/academics/programs/medical-administrative-assistant-dip1/description/</a>   |
| Medical Administrative Assistant     | Riverland Community College                | Albert Lea                  | Yes, partial | 60 credits | Two years       | Associates Degree | No                              | No                  | <a href="https://www.riverland.edu/academics/programs/medical-administrative-assistant-aas/description/">https://www.riverland.edu/academics/programs/medical-administrative-assistant-aas/description/</a>   |
| Medical Administrative Specialist    | Alexandria Technical and Community College | Alexandria                  | No           | 60 credits | Two years       | Associates Degree | No                              | No                  | <a href="https://www.alextech.edu/programs/medical-administrative-specialist/curriculum">https://www.alextech.edu/programs/medical-administrative-specialist/curriculum</a>   |
| Medical Administrative Specialist    | Anoka Technical College                    | Anoka                       | No           | 60 credits | Two years       | Associates Degree | No                              | No                  | <a href="http://www.anokatech.edu/ProgramsCourses/HealthScienceTech/MedicalAdministrativeSpecialist.aspx">http://www.anokatech.edu/ProgramsCourses/HealthScienceTech/MedicalAdministrativeSpecialist.aspx</a>   |
| Medical Administrative Specialist    | Dakota County Technical College            | Rosemount                   | No           | 44 credits | 1.5 years       | Diploma           | No                              | No                  | <a href="https://www.dctc.edu/academics/programs-majors/administrative-support/medical-administrative-specialist/medical-administrative-specialist-diploma/">https://www.dctc.edu/academics/programs-majors/administrative-support/medical-administrative-specialist/medical-administrative-specialist-diploma/</a>           |

HEALTH CARE — Electronic Health Records Specialist

| Program                           | Training Institution                        | Location                    | Online       | Credit     | Duration         | Credential        | Has participated in DTG Program | Competencies Mapped | URL   |
|-----------------------------------|---|-----------------------------|--------------|------------|------------------|-------------------|---------------------------------|---------------------|---|
| Medical Administrative Specialist | MN State College Southeast                  | Winona                      | Yes, partial | 40 credits | Three semesters  | Diploma           | No                              | No                  | <a href="http://www.southeastmn.edu/academic_programs/Major.aspx?MajorID=688">http://www.southeastmn.edu/academic_programs/Major.aspx?MajorID=688</a>   |
| Medical Administrative Support    | Century College                             | White Bear Lake             | No           | 47 credits | Two years        | Diploma           | No                              | No                  | <a href="http://catalog.century.edu/preview_program.php?catoid=5&amp;poiid=1108">http://catalog.century.edu/preview_program.php?catoid=5&amp;poiid=1108</a>   |
| Medical Coding                    | Northwest Technical College                 | Bemidji                     | No           | 30 credits | One year         | Certificate       | No                              | No                  | <a href="https://www.ntcmn.edu/career-paths/health-care/health-care-support/degrees-credentials/certificate-medical-coding/">https://www.ntcmn.edu/career-paths/health-care/health-care-support/degrees-credentials/certificate-medical-coding/</a>   |
| Medical Coding                    | Northwest Technical College                 | Bemidji                     | No           | 40 credits | 1.5 years        | Diploma           | No                              | No                  | <a href="https://www.ntcmn.edu/career-paths/health-care/health-care-support/degrees-credentials/certificate-medical-coding/">https://www.ntcmn.edu/career-paths/health-care/health-care-support/degrees-credentials/certificate-medical-coding/</a>   |
| Medical Coding                    | Northwest Technical College                 | Bemidji                     | No           | 60 credits | Two years        | Associates Degree | No                              | No                  | <a href="https://www.ntcmn.edu/career-paths/health-care/health-care-support/degrees-credentials/aas-medical-coding/">https://www.ntcmn.edu/career-paths/health-care/health-care-support/degrees-credentials/aas-medical-coding/</a>   |
| Medical Coding and Billing        | Lake Superior College                       | Duluth                      | No           | 30 credits | One year         | Diploma           | No                              | No                  | <a href="https://degrees.lsc.edu/medical-billing/">https://degrees.lsc.edu/medical-billing/</a>   |
| Medical Coding and Insurance      | MN State Community and Technical College    | Moorhead                    | Yes          | 50 credits | Two years        | Diploma           | No                              | No                  | <a href="http://www.minnesota.edu/programs_majors.php?progcode=404#/">http://www.minnesota.edu/programs_majors.php?progcode=404#/</a>   |
| Medical Coding and Scribing       | Hibbing Community College                   | Hibbing                     | Yes          | 43 credits | 1.5 years        | Diploma           | No                              | No                  | <a href="http://hibbing.edu/academics/areas-of-study/medical-dental/medical-coding-scribing">http://hibbing.edu/academics/areas-of-study/medical-dental/medical-coding-scribing</a>   |
| Medical Coding Diploma            | Saint Paul College                          | St. Paul                    | Some classes | 40 credits | Three semesters  | Certificate       | No                              | No                  | <a href="https://www.saintpaul.edu/programs/ProgramGuides/MedicalCodingDiploma.pdf">https://www.saintpaul.edu/programs/ProgramGuides/MedicalCodingDiploma.pdf</a>   |
| Medical Coding Specialist         | Hennepin Technical College                  | Brooklyn Park, Eden Prairie | No           | 43 credits | One or Two Years | Diploma           | No                              | No                  | <a href="http://hennepintech.smartcatalogiq.com/2018-2019/Catalog/Degrees-and-Programs/Health/Medical-Office/Medical-Coding-Specialist-BP-EP-Diploma">http://hennepintech.smartcatalogiq.com/2018-2019/Catalog/Degrees-and-Programs/Health/Medical-Office/Medical-Coding-Specialist-BP-EP-Diploma</a>   |
| Medical Office                    | Saint Paul College                          | St. Paul                    | Some classes | 20 credits | One semester     | Certificate       | No                              | No                  | <a href="https://www.saintpaul.edu/programs/ProgramGuides/MedicalOfficeCertificate.pdf">https://www.saintpaul.edu/programs/ProgramGuides/MedicalOfficeCertificate.pdf</a>   |
| Medical Office Administration     | Minneapolis Community and Technical College | Minneapolis                 | No           | 60 credits | Two years        | Associates Degree | No                              | No                  | <a href="https://mctc.decisionacademic.com/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=1676&amp;topicid=2260&amp;loaduseredits=True&amp;_ga=2.10508468.18339611">https://mctc.decisionacademic.com/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=1676&amp;topicid=2260&amp;loaduseredits=True&amp;_ga=2.10508468.18339611</a> |
| Medical Office Assistant          | Century College                             | White Bear Lake             | No           | 60 credits | Two years        | Associates Degree | No                              | No                  | <a href="http://catalog.century.edu/preview_program.php?catoid=5&amp;poiid=1112">http://catalog.century.edu/preview_program.php?catoid=5&amp;poiid=1112</a>   |
| Medical Office Specialist         | Lake Superior College                       | Duluth                      | No           | 48 credits | Three semesters  | Diploma           | No                              | No                  | <a href="https://degrees.lsc.edu/medical-administrative-assistant/">https://degrees.lsc.edu/medical-administrative-assistant/</a>   |
| Medical Office Support            | Century College                             | White Bear Lake             | No           | 18 credits | One year         | Certificate       | No                              | No                  | <a href="http://catalog.century.edu/preview_program.php?catoid=5&amp;poiid=1115&amp;returnto=252">http://catalog.century.edu/preview_program.php?catoid=5&amp;poiid=1115&amp;returnto=252</a>   |
| Medical Receptionist              | Anoka Technical College                     | Anoka                       | No           | 48 credits | 1.5 years        | Diploma           | No                              | No                  | <a href="http://anokatech.edu/-/media/Files/New-Web-Site-Files/Programs-and-Courses/Guidesheets/2021/Med-Rep-">http://anokatech.edu/-/media/Files/New-Web-Site-Files/Programs-and-Courses/Guidesheets/2021/Med-Rep-</a>   |
| Medical Scribe Specialist         | Minneapolis Community and Technical College | Minneapolis                 | No           | 32 credits | One year         | Diploma           | No                              | No                  | <a href="https://mctc.decisionacademic.com/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=1676&amp;topicid=2261&amp;loaduseredits=True&amp;_ga=2.10508468.18339611">https://mctc.decisionacademic.com/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=1676&amp;topicid=2261&amp;loaduseredits=True&amp;_ga=2.10508468.18339611</a> |



HEALTH CARE — EMT to Paramedic Pathway

| Program                      | Training Institution                        | Location            | Online | Credit     | Duration | Credential        | Has participated in DTG Program | Competencies Mapped | URL   |
|------------------------------|---|---------------------|--------|------------|----------|-------------------|---------------------------------|---------------------|---|
| Emergency Medicine Paramedic | Rochester Community and Technical College   | Rochester           | No     | 75 credits | 2 years  | Associates Degree | No                              | No                  | <a href="https://www.rctc.edu/files/programs/EMER_MED_PARAS_PROG_PLAN.pdf">https://www.rctc.edu/files/programs/EMER_MED_PARAS_PROG_PLAN.pdf</a>   |
| Paramedic                    | Inver Hills Community College               | Inver Grove Heights | No     | 70 credits | 2 years  | Associates Degree | No                              | No                  | <a href="https://www.inverhills.edu/DegreesAndPrograms/EMS/index.aspx#certs">https://www.inverhills.edu/DegreesAndPrograms/EMS/index.aspx#certs</a>   |
| Paramedic                    | Mesabi Range College                        | Virginia            | No     | 67 credits | 2 years  | Associates Degree | No                              | No                  | <a href="https://www.mesabirange.edu/assets/sites/mesabi/uploads/files/Paramedic_AAS_Program_Planner_update_12.19.pdf">https://www.mesabirange.edu/assets/sites/mesabi/uploads/files/Paramedic_AAS_Program_Planner_update_12.19.pdf</a>         |
| Paramedic                    | Mesabi Range College                        | Virginia            | No     | 52 credits | 2 years  | Diploma           | No                              | No                  | <a href="https://www.mesabirange.edu/assets/sites/mesabi/uploads/files/Paramedic_Diploma_Program_Planner_update_12.19.pdf">https://www.mesabirange.edu/assets/sites/mesabi/uploads/files/Paramedic_Diploma_Program_Planner_update_12.19.pdf</a> |
| Paramedic                    | Northland Community College                 | East Grand Forks    | No     | 60 credits | 2 years  | Associates Degree | No                              | No                  | <a href="http://www.northlandcollege.edu/programs/paramedic/program_detail.php?program_code=437">http://www.northlandcollege.edu/programs/paramedic/program_detail.php?program_code=437</a>   |
| Paramedic                    | Northland Community College                 | East Grand Forks    | No     | 48 credits | 2 years  | Diploma           | No                              | No                  | <a href="http://www.northlandcollege.edu/programs/paramedic/program_detail.php?program_code=438">http://www.northlandcollege.edu/programs/paramedic/program_detail.php?program_code=438</a>   |
| Paramedic                    | Ridgewater College                          | Willmar, Hutchinson | No     | 64 credits | 2 years  | Associates Degree | No                              | No                  | <a href="https://www.ridgewater.edu/academics/areas-of-study/law-enforcement-public-safety/paramedic-program/">https://www.ridgewater.edu/academics/areas-of-study/law-enforcement-public-safety/paramedic-program/</a>                         |
| Paramedic                    | Ridgewater College                          | Willmar, Hutchinson | No     | 42 credits | 2 years  | Diploma           | No                              | No                  | <a href="https://www.ridgewater.edu/academics/areas-of-study/law-enforcement-public-safety/paramedic-program/">https://www.ridgewater.edu/academics/areas-of-study/law-enforcement-public-safety/paramedic-program/</a>                         |
| Paramedic                    | Inver Hills Community College               | Inver Grove Heights | No     | 40 credits | 2 years  | Diploma           | No                              | No                  | <a href="https://www.inverhills.edu/DegreesAndPrograms/EMS/index.aspx#certs">https://www.inverhills.edu/DegreesAndPrograms/EMS/index.aspx#certs</a>   |
| Paramedic                    | Anoka Technical College                     | Anoka               | No     | 60 credits | 2 years  | Associates Degree | No                              | No                  | <a href="https://www.anokatech.edu/-/media/Files/New-Web-Site-Files/Programs-and-Courses/Guidesheets/2021/Paramedic-">https://www.anokatech.edu/-/media/Files/New-Web-Site-Files/Programs-and-Courses/Guidesheets/2021/Paramedic-</a>           |
| Paramedic Science            | Century College                             | White Bear Lake     | No     | 69 credits | 2 years  | Associates Degree | No                              | No                  | <a href="http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=2065&amp;returnto=443">http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=2065&amp;returnto=443</a>   |
| Paramedic Science            | Century College                             | White Bear Lake     | No     | 56 credits | 2 years  | Diploma           | No                              | No                  | <a href="http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=2064&amp;returnto=443">http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=2064&amp;returnto=443</a>   |
| Paramedicine                 | Saint Cloud Community and Technical College | Saint Cloud         | No     | 64 credits | 2 years  | Associates Degree | No                              | No                  | <a href="https://www.sctcc.edu/degrees-programs/paramedicine">https://www.sctcc.edu/degrees-programs/paramedicine</a>   |

HEALTH CARE — Medical Assistant

| Program           | Training Institution                         | Location   | Online       | Credit     | Duration  | Credential        | Has participated in DTG Program | Competencies Mapped | URL   |
|-------------------|--|--|--------------|------------|-----------|-------------------|---------------------------------|---------------------|---|
| Medical Assistant | Anoka Technical College                      | Anoka  | Yes, partial | 37 credits | 1.5 years | Diploma           | No                              | No                  | <a href="http://www.anokatech.edu/en/ProgramsCourses/HealthScienceTech/MedicalAssistant">http://www.anokatech.edu/en/ProgramsCourses/HealthScienceTech/MedicalAssistant</a>   |
| Medical Assistant | Anoka Technical College                      | Anoka  | Yes, partial | 60 credits | 2 years   | Associates Degree | No                              | No                  | <a href="http://www.anokatech.edu/en/ProgramsCourses/HealthScienceTech/MedicalAssistant">http://www.anokatech.edu/en/ProgramsCourses/HealthScienceTech/MedicalAssistant</a>   |
| Medical Assistant | Central Lakes College                        | Brainerd and Staples                                     | Yes, partial | 60 credits | 2 years   | Associates Degree | No                              | No                  | <a href="http://www.clcmn.edu/medical-assistant-a-a-s-degree-2/">http://www.clcmn.edu/medical-assistant-a-a-s-degree-2/</a>   |
| Medical Assistant | Central Lakes College                        | Brainerd and Staples                                     | Yes, partial | 39 credits | 1.5 years | Diploma           | No                              | No                  | <a href="http://www.clcmn.edu/medical-assistant-diploma-2/">http://www.clcmn.edu/medical-assistant-diploma-2/</a>   |
| Medical Assistant | Century College                              | White Bear Lake  | Yes, partial | 51 credits | 1.5 years | Diploma           | No                              | No                  | <a href="https://www.century.edu/programs/medical-assistant">https://www.century.edu/programs/medical-assistant</a>   |
| Medical Assistant | Dakota County Technical College              | Rosemount  | Yes, partial | 42 credits | 1.5 years | Diploma           | No                              | No                  | <a href="https://www.dctc.edu/academics/programs-majors/health-education/medical-assistant/medical-assistant-diploma/">https://www.dctc.edu/academics/programs-majors/health-education/medical-assistant/medical-assistant-diploma/</a>   |
| Medical Assistant | Dakota County Technical College              | Rosemount  | Yes, partial | 60 credits | 2 years   | Associates Degree | No                              | No                  | <a href="https://www.dctc.edu/academics/programs-majors/health-education/medical-assistant/medical-assistant-aas-degree/">https://www.dctc.edu/academics/programs-majors/health-education/medical-assistant/medical-assistant-aas-degree/</a>   |
| Medical Assistant | Hennepin Technical College                   | Eden Prairie   | Yes, partial | 60 credits | 2 years   | Associates Degree | No                              | No                  | <a href="http://hennepintechnical.smartcatalogiq.com/2020-2021/Catalog/Degrees-and-Programs/Health/Medical-Assistant/Medical-Assistant-EP-Associate-in-Applied">http://hennepintechnical.smartcatalogiq.com/2020-2021/Catalog/Degrees-and-Programs/Health/Medical-Assistant/Medical-Assistant-EP-Associate-in-Applied</a> |
| Medical Assistant | Lake Superior College                        | Duluth   | No           | 40 credits | 1 year    | Diploma           | No                              | No                  | <a href="https://degrees.lsc.edu/medical-assistant/">https://degrees.lsc.edu/medical-assistant/</a>   |
| Medical Assistant | Minnesota West Community & Technical College | Luverne  | Yes, partial | 44 credits | 1 year    | Diploma           | No                              | No                  | <a href="http://www.mnwest.edu/programs-courses/list/medical-assistant-diploma">http://www.mnwest.edu/programs-courses/list/medical-assistant-diploma</a>   |
| Medical Assistant | Minnesota West Community & Technical College | Luverne  | Yes, partial | 60 credits | 2 years   | Associates Degree | No                              | No                  | <a href="https://www.mnwest.edu/programs-courses/list/medical-assistant-aas">https://www.mnwest.edu/programs-courses/list/medical-assistant-aas</a>   |
| Medical Assistant | Rasmussen College                            | Blaine, Bloomington, St. Cloud, Woodbury, Mankato, Eagan | Yes, partial | 51 credits | 1 year    | Diploma           | No                              | No                  | <a href="https://www.rasmussen.edu/degrees/health-sciences/medical-assisting/">https://www.rasmussen.edu/degrees/health-sciences/medical-assisting/</a>   |
| Medical Assistant | Ridgewater College                           | Willmar  | Yes, partial | 49 credits | 1.5 years | Diploma           | No                              | No                  | <a href="https://www.ridgewater.edu/academics/areas-of-study/health-care/medical-assistant/">https://www.ridgewater.edu/academics/areas-of-study/health-care/medical-assistant/</a>   |
| Medical Assistant | Ridgewater College                           | Willmar  | Yes, partial | 60 credits | 2 years   | Associates Degree | No                              | No                  | <a href="https://www.ridgewater.edu/academics/areas-of-study/health-care/medical-assistant/">https://www.ridgewater.edu/academics/areas-of-study/health-care/medical-assistant/</a>   |
| Medical Assistant | Riverland Community College                  | Austin and Owatonna                                      | Yes, partial | 36 credits | 1.5 years | Diploma           | No                              | No                  | <a href="https://www.riverland.edu/academics/programs/medical-assistant-dip/description/">https://www.riverland.edu/academics/programs/medical-assistant-dip/description/</a>   |
| Medical Assistant | South Central College                        | North Mankato  | Yes, partial | 60 credits | 2 years   | Associates Degree | No                              | No                  | <a href="http://southcentral.edu/Majors-and-Programs/medical-assistant-program.html">http://southcentral.edu/Majors-and-Programs/medical-assistant-program.html</a>   |

HEALTH CARE — Heath Support Specialist

| Program                   | Training Institution  | Location | Online | Credit | Duration | Credential | Has participated in DTG Program | Competencies Mapped | URL |
|---------------------------|---|----------|--------|--------|----------|------------|---------------------------------|---------------------|-----|
| Health Support Specialist | For Health Support Specialist contact the Department at 651.284.5388. |          |        |        |          |            |                                 |                     |     |

HEALTH CARE — Licensed Practical Nurse

| Program           | Training Institution                       | Location                                      | Online | Credit | Duration  | Credential | Has Participated in DTG Program | Competencies Mapped | URL   |
|-------------------|--|---|--------|--------|-----------|------------|---------------------------------|---------------------|---|
| Practical Nursing | Alexandria Technical and Community College | Alexandria                                    | No     | 36     | 1.5 years | Diploma    | Yes                             | No                  | <a href="https://www.alextech.edu/programs/practical-nursing">https://www.alextech.edu/programs/practical-nursing</a>   |
| Practical Nursing | Anoka Technical College                    | Anoka   | No     | 38     | 1 year    | Diploma    | No                              | No                  | <a href="http://www.anokatech.edu/ProgramsCourses/HealthScienceTech/PracticalNursing.aspx">http://www.anokatech.edu/ProgramsCourses/HealthScienceTech/PracticalNursing.aspx</a>           |
| Practical Nursing | Central Lakes College                      | Staples                                       | No     | 36     | 1.5 years | Diploma    | Yes                             | No                  | <a href="http://www.clcmn.edu/practical-nursing-diploma-2/">http://www.clcmn.edu/practical-nursing-diploma-2/</a>   |
| Practical Nursing | Dakota County Technical College            | Rosemount                                     | No     | 42     | 1.5 years | Diploma    | Yes                             | No                  | <a href="https://www.dctc.edu/academics/programs-majors/health-education/practical-nursing/">https://www.dctc.edu/academics/programs-majors/health-education/practical-nursing/</a>       |
| Practical Nursing | Hennepin Technical College                 | Brooklyn Park/Eden Prairie                    | No     | 41     | 1.5 years | Diploma    | No                              | No                  | <a href="https://www.hennepintech.edu/academic-programs/health/practical-nursing/index.html">https://www.hennepintech.edu/academic-programs/health/practical-nursing/index.html</a>       |
| Practical Nursing | Itasca Community College                   | Grand Rapids                                  | No     | 45     | 1.5 years | Diploma    | No                              | No                  | <a href="https://www.itascacc.edu/nursing">https://www.itascacc.edu/nursing</a>   |
| Practical Nursing | Lake Superior College                      | Duluth  | No     | 40     | 1.5 years | Diploma    | Yes                             | No                  | <a href="https://degrees.lsc.edu/nurse/">https://degrees.lsc.edu/nurse/</a>   |
| Practical Nursing | Mesabi Range College                       | Eveleth                                       | No     | 45     | 1.5 years | Diploma    | No                              | No                  | <a href="https://www.mesabirange.edu/programs/practical-nursing">https://www.mesabirange.edu/programs/practical-nursing</a>   |
| Practical Nursing | MN State College-Southeast Technical       | Red Wing/Winona                               | No     | 36     | 1 year    | Diploma    | No                              | No                  | <a href="https://www.southeastmn.edu/academics/program.aspx?p=78">https://www.southeastmn.edu/academics/program.aspx?p=78</a>   |
| Practical Nursing | MN State Community and Technical College   | Moorhead/Fergus Falls                         | No     | 40     | 1.5 years | Diploma    | Yes                             | No                  | <a href="https://www.minnesota.edu/degrees/465">https://www.minnesota.edu/degrees/465</a>   |
| Practical Nursing | MN West Community and Technical College    | Pipestone/Worthington/online                  | Yes    | 39     | 1 year    | Diploma    | Yes                             | No                  | <a href="https://www.mnwest.edu/programs-courses/list/nursing-practical-nursing-diploma">https://www.mnwest.edu/programs-courses/list/nursing-practical-nursing-diploma</a>               |
| Practical Nursing | Northland Community and Technical College  | E Grand Forks/Thief River Falls/Roseau/online | Yes    | 44     | 1.5 years | Diploma    | No                              | No                  | <a href="https://www.northlandcollege.edu/programs/nursing/program_detail.php?program_code=467">https://www.northlandcollege.edu/programs/nursing/program_detail.php?program_code=467</a> |
| Practical Nursing | Northwest Technical College                | Bemidji                                       | Yes    | 38     | 2 years   | Associates | Yes                             | No                  | <a href="https://www.ntcmn.edu/career-paths/health-care/nursing/">https://www.ntcmn.edu/career-paths/health-care/nursing/</a>   |
| Practical Nursing | Pine Technical and Community College       | Pine City                                     | No     | 41     | 1.5 years | Diploma    | No                              | No                  | <a href="https://www.pine.edu/programs/health-science-and-nursing/practical-nursing/">https://www.pine.edu/programs/health-science-and-nursing/practical-nursing/</a>                     |
| Practical Nursing | Ridgewater College                         | Hutchinson/Willmar                            | No     | 40     | 1.5 years | Diploma    | No                              | No                  | <a href="https://www.ridgewater.edu/academics/areas-of-study/health-care/nursing-practical/">https://www.ridgewater.edu/academics/areas-of-study/health-care/nursing-practical/</a>       |
| Practical Nursing | Riverland Community College                | Austin  | No     | 39     | 1.5 years | Diploma    | No                              | No                  | <a href="https://www.riverland.edu/academics/programs/nursing-lpn-track-dip/description/">https://www.riverland.edu/academics/programs/nursing-lpn-track-dip/description/</a>             |
| Practical Nursing | Rochester Community and Technical College  | Rochester                                     | No     | 39     | 1 year    | Diploma    | No                              | No                  | <a href="https://www.rctc.edu/program/pnm/">https://www.rctc.edu/program/pnm/</a>   |

HEALTH CARE — Licensed Practical Nurse

| Program              | Training Institution                      | Location  | Online | Credit | Duration    | Credential | Has Participated in DTG Program | Competencies Mapped | URL   |
|----------------------|---|---|--------|--------|-------------|------------|---------------------------------|---------------------|---|
| Practical Nursing    | South Central College                     | Faribault/Mankato                                 | No     | 40     | 1.5 years   | Diploma    | Yes                             | No                  | <a href="https://southcentral.edu/Majors-and-Programs/practical-nursing.html">https://southcentral.edu/Majors-and-Programs/practical-nursing.html</a> |
| Practical Nursing    | St. Cloud Technical and Community College | St. Cloud   | No     | 40     | 1.5 years   | Diploma    | No                              | No                  | <a href="https://www.sctcc.edu/degrees-programs/practical-nursing">https://www.sctcc.edu/degrees-programs/practical-nursing</a>                       |
| Professional Nursing | Rasmussen College                         | Blaine, Bloomington, Mankato, Moorhead, St. Cloud | Yes    | 103    | 1.5-2 years | Associates | Yes                             | No                  | <a href="https://www.rasmussen.edu/degrees/nursing/practical-nursing/">https://www.rasmussen.edu/degrees/nursing/practical-nursing/</a>               |

HEALTH CARE — Medical Laboratory Assistant

| Program                      | Training Institution                      | Location  | Online  | Credit     | Duration | Credential                                       | Has participated in DTG Program | Competencies Mapped | URL   |
|------------------------------|---|-----------|---------|------------|----------|--|---------------------------------|---------------------|---|
| Medical Laboratory Assistant | Rochester Community and Technical College | Rochester | Partial | Customized | 9 months | Medical Laboratory Assistant (MLA) certification | No                              | No                  | <a href="http://rctcbwe.com/category/healthcare">http://rctcbwe.com/category/healthcare</a> |

HEALTH CARE — Mental Health Tech-In Patient

| Program                                      | Training Institution                      | Location        | Online       | Credit     | Duration                                  | Credential                         | Has participated in DTG Program | Competencies Mapped | URL   |
|--|---|-----------------|--------------|------------|---|------------------------------------|---------------------------------|---------------------|---|
| Clinical Mental Health Counseling            | Adler Graduate School                     | Minnetonka      | Yes          | 60 credits | 2 years                                   | Masters                            | No                              | No                  | <a href="http://alfredadler.edu/programs/masters/clinical-counseling">http://alfredadler.edu/programs/masters/clinical-counseling</a>   |
| Clinical Mental Health Counseling            | St. Cloud State University                | St. Cloud       | No           | 61 credits | 2 years                                   | Masters                            | No                              | No                  | <a href="https://catalog.stcloudstate.edu/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=1967">https://catalog.stcloudstate.edu/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=1967</a>   |
| Clinical Mental Health Counseling            | Winona State University                   | Winona          | No           | 60 credits | 2 years                                   | Masters                            | No                              | No                  | <a href="https://www.winona.edu/counseloreducation/clinical-counseling.asp">https://www.winona.edu/counseloreducation/clinical-counseling.asp</a>   |
| Human Services Specialist                    | Rochester Community and Technical College | Rochester       | No           | 60 credits | 2 years                                   | Associates Degree                  | No                              | No                  | <a href="https://www.rctc.edu/program/hs/program-plans/">https://www.rctc.edu/program/hs/program-plans/</a>   |
| Human Services Technician                    | Rochester Community and Technical College | Rochester       | No           | 32 credits | 1-2 years                                 | Diploma                            | No                              | No                  | <a href="https://www.rctc.edu/program/hs/program-plans/">https://www.rctc.edu/program/hs/program-plans/</a>   |
| Mental Health Behavioral Aide                | Century College                           | White Bear Lake | No           | 18 credits | More than one term but less than one year | Sub-bachelor's postsecondary award | No                              | No                  | <a href="https://www.century.edu/programs/mental-and-behavioral-health-worker">https://www.century.edu/programs/mental-and-behavioral-health-worker</a>   |
| Mental Health Counseling                     | Minnesota State University Mankato        | Mankato         | No           | 60 credits | 2 years                                   | Masters                            | No                              | No                  | <a href="https://ed.mnsu.edu/academic-programs/counseling-student-personnel/master-of-science-in-counseling-and-student-personnel/counseling-and-student-personnel-">https://ed.mnsu.edu/academic-programs/counseling-student-personnel/master-of-science-in-counseling-and-student-personnel/counseling-and-student-personnel-</a> |
| Psychiatric Mental Health Nurse Practitioner | Walden University                         | Minneapolis     | Yes          | 61 credits | 2 years                                   | Masters                            | No                              | No                  | <a href="https://www.waldenu.edu/online-masters-programs/msn-psychiatric-mental-health-nurse-practitioner">https://www.waldenu.edu/online-masters-programs/msn-psychiatric-mental-health-nurse-practitioner</a>   |
| Psychiatric Mental Health Nurse Practitioner | Winona State University                   | Winona          | Yes, partial | 24 credits | 1 year                                    | Graduate Certificate               | No                              | No                  | <a href="https://www.winona.edu/graduatenuersing/certificate.asp">https://www.winona.edu/graduatenuersing/certificate.asp</a>   |

**HEALTH CARE — Mental Health Tech Out-Patient**

| Program                                      | Training Institution                      | Location        | Online       | Credit     | Duration                                  | Credential                         | Has participated in DTG Program | Competencies Mapped | URL   |
|--|---|-----------------|--------------|------------|---|------------------------------------|---------------------------------|---------------------|---|
| Clinical Mental Health Counseling            | Adler Graduate School                     | Richfield       | Yes          | 60 credits | 2 years                                   | Masters                            | No                              | No                  | <a href="http://alfredadler.edu/programs/masters/clinical-counseling">http://alfredadler.edu/programs/masters/clinical-counseling</a>   |
| Clinical Mental Health Counseling            | St. Cloud State University                | St. Cloud       | No           | 61 credits | 2 years                                   | Masters                            | No                              | No                  | <a href="https://catalog.stcloudstate.edu/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=1967">https://catalog.stcloudstate.edu/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=1967</a>   |
| Clinical Mental Health Counseling            | Winona State University                   | Winona          | No           | 60 credits | 2 years                                   | Masters                            | No                              | No                  | <a href="https://www.winona.edu/counseloreducation/clinical-counseling.asp">https://www.winona.edu/counseloreducation/clinical-counseling.asp</a>   |
| Human Services Specialist                    | Rochester Community and Technical College | Rochester       | No           | 60 credits | 2 years                                   | Associates Degree                  | No                              | No                  | <a href="https://www.rctc.edu/program/hs/program-plans/">https://www.rctc.edu/program/hs/program-plans/</a>   |
| Human Services Technician                    | Rochester Community and Technical College | Rochester       | No           | 32 credits | 1-2 years                                 | Diploma                            | No                              | No                  | <a href="https://www.rctc.edu/program/hs/program-plans/">https://www.rctc.edu/program/hs/program-plans/</a>   |
| Mental Health Behavioral Aide                | Century College                           | White Bear Lake | No           | 18 credits | More than one term but less than one year | Sub-bachelor's postsecondary award | No                              | No                  | <a href="https://www.century.edu/programs/mental-health-behavioral-aide-ii">https://www.century.edu/programs/mental-health-behavioral-aide-ii</a>   |
| Mental Health Counseling                     | Minnesota State University Mankato        | Mankato         | No           | 60 credits | 2 years                                   | Masters                            | No                              | No                  | <a href="https://mankato.mnsu.edu/academics/academic-catalog/graduate/counseling-and-student-personnel/counseling-and-student-personnel-ms-mental">https://mankato.mnsu.edu/academics/academic-catalog/graduate/counseling-and-student-personnel/counseling-and-student-personnel-ms-mental</a> |
| Psychiatric Mental Health Nurse Practitioner | Walden University                         | Minneapolis     | Yes          | 61 credits | 2 years                                   | Masters                            | No                              | No                  | <a href="https://www.waldenu.edu/online-masters-programs/msn-psychiatric-mental-health-nurse-practitioner">https://www.waldenu.edu/online-masters-programs/msn-psychiatric-mental-health-nurse-practitioner</a>   |
| Psychiatric Mental Health Nurse Practitioner | Winona State University                   | Winona          | Yes, partial | 24 credits | 1 year                                    | Graduate Certificate               | No                              | No                  | <a href="https://www.winona.edu/graduatenuresing/doctor.asp">https://www.winona.edu/graduatenuresing/doctor.asp</a>   |



**HEALTH CARE — Ophthalmic Technician**

| Program               | Training Institution  | Location | Online | Credit | Duration | Credential | Has participated in DTG Program | Competencies Mapped | URL |
|-----------------------|---|----------|--------|--------|----------|------------|---------------------------------|---------------------|-----|
| Ophthalmic Technician | For Ophthalmic Technician contact the Department of Labor and Industry at 651.284.5388. |          |        |        |          |            |                                 |                     |     |
|                       |   |          |        |        |          |            |                                 |                     |     |
|                       |   |          |        |        |          |            |                                 |                     |     |
|                       |   |          |        |        |          |            |                                 |                     |     |
|                       |   |          |        |        |          |            |                                 |                     |     |

HEALTH CARE — Pharmacy Technician

| Program   | Training Institution                           | Location         | Online  | Credit | Duration       | Credential  | Has participated in DTG Program | Competencies Mapped | URL   |
|---|--|------------------|---------|--------|----------------|-------------|---------------------------------|---------------------|---|
| Pharmacy Technician Associate of Applied Science Degree | Saint Paul College                             | Saint Paul       | Partial | 60     | Four Semesters | AAS Degree  | No                              | No                  | <a href="https://www.saintpaul.edu/programs/ProgramGuides/PharmacyTechnicianAAS.pdf">https://www.saintpaul.edu/programs/ProgramGuides/PharmacyTechnicianAAS.pdf</a>   |
| Pharmacy Technician Associate of Applied Science Degree | Anoka-Ramsey Community College                 | Coon Rapids      | Partial | 60     | Four Semesters | AAS Degree  | No                              | No                  | <a href="https://www.anokaramsey.edu/academics/degrees-diplomas-certificates/two-year-degrees/associate-of-science-degrees/pharmacy-technician/">https://www.anokaramsey.edu/academics/degrees-diplomas-certificates/two-year-degrees/associate-of-science-degrees/pharmacy-technician/</a> |
| Pharmacy Technician Associate of Applied Science Degree | Northland Community & Technical College        | East Grand Forks | Partial | 60     | Four Semesters | AAS Degree  | No                              | No                  | <a href="http://www.northlandcollege.edu/programs/pharmacy-technology/program_detail.php?program_code=440">http://www.northlandcollege.edu/programs/pharmacy-technology/program_detail.php?program_code=440</a>   |
| Pharmacy Technician Certificate                         | Anoka-Ramsey Community College                 | Coon Rapids      | Partial | 16     | One Semester   | Certificate | No                              | No                  | <a href="https://www.anokaramsey.edu/academics/degrees-diplomas-certificates/diplomas-certificates/pharmacy-technician/">https://www.anokaramsey.edu/academics/degrees-diplomas-certificates/diplomas-certificates/pharmacy-technician/</a>   |
| Pharmacy Technician Certificate                         | Minneapolis College                            | Minneapolis      | Partial | 16     | One Semester   | Certificate | No                              | No                  | <a href="https://minneapolis.edu/academics/school-nursing-health-sciences-and-wellness/pharmacy-technician">https://minneapolis.edu/academics/school-nursing-health-sciences-and-wellness/pharmacy-technician</a>   |
| Pharmacy Technician Certificate                         | Minnesota West Community and Technical College | Worthington      | Partial | 10     | One Semester   | Certificate | No                              | No                  | <a href="https://www.mnwest.edu/programs-courses/list/pharmacy-technician-certificate">https://www.mnwest.edu/programs-courses/list/pharmacy-technician-certificate</a>   |
| Pharmacy Technician Diploma                             | Saint Paul College                             | Saint Paul       | Partial | 35     | Three Terms    | Diploma     | No                              | No                  | <a href="https://www.saintpaul.edu/programs/ProgramGuides/PharmacyTechnicianDiploma.pdf">https://www.saintpaul.edu/programs/ProgramGuides/PharmacyTechnicianDiploma.pdf</a>   |
| Pharmacy Technology Diploma                             | Minnesota West Community and Technical College | Worthington      | Yes     | 35     | Three Terms    | Diploma     | No                              | No                  | <a href="https://www.mnwest.edu/programs-courses/list/pharmacy-technology-diploma">https://www.mnwest.edu/programs-courses/list/pharmacy-technology-diploma</a>   |
| Pharmacy Technology Diploma                             | Northland Community & Technical College        | East Grand Forks | Partial | 36     | Three Terms    | Diploma     | No                              | No                  | <a href="http://www.northlandcollege.edu/programs/pharmacy-technology/program_detail.php?program_code=445">http://www.northlandcollege.edu/programs/pharmacy-technology/program_detail.php?program_code=445</a>   |

HEALTH CARE — Phlebotomist

| Program                           | Training Institution                      | Location         | Online  | Credit | Duration     | Credential  | Has participated in DTG Program | Competencies Mapped | URL   |
|-----------------------------------|---|------------------|---------|--------|--------------|-------------|---------------------------------|---------------------|---|
| Phlebotomy Certificate            | Lake Superior College                     | Duluth           | Partial | 9      | One Semester | Certificate | No                              | No                  | <a href="https://degrees.lsc.edu/phlebotomy/">https://degrees.lsc.edu/phlebotomy/</a>   |
| Phlebotomy Certificate            | MN State College Southeast                | Winona           | Partial | 9      | One Semester | Certificate | No                              | No                  | <a href="https://www.southeastmn.edu/academics/MajorDetail.aspx?i=713">https://www.southeastmn.edu/academics/MajorDetail.aspx?i=713</a>   |
| Phlebotomy Certificate            | Northland Community and Technical College | East Grand Forks | Partial | 16     | One Semester | Certificate | No                              | No                  | <a href="http://www.northlandcollege.edu/programs/phlebotomy/program_detail.php?program_code=155">http://www.northlandcollege.edu/programs/phlebotomy/program_detail.php?program_code=155</a>               |
| Phlebotomy Certificate            | South Central College                     | North Mankato    | Partial | 16     | One Semester | Certificate | No                              | No                  | <a href="https://southcentral.edu/Majors-and-Programs/phlebotomy-program.html">https://southcentral.edu/Majors-and-Programs/phlebotomy-program.html</a>   |
| Phlebotomy Certificate            | Alexandria Technical & Community College  | Alexandria       | Partial | 18     | One Semester | Certificate | No                              | No                  | <a href="https://www.alextech.edu/programs/phlebotomy-technician">https://www.alextech.edu/programs/phlebotomy-technician</a>   |
| Phlebotomy Certificate            | Central Lakes College                     | Brainerd         | Partial | 18     | One Semester | Certificate | No                              | No                  | <a href="http://www.clcmn.edu/phlebotomy-technician-certificate-2/">http://www.clcmn.edu/phlebotomy-technician-certificate-2/</a>   |
| Phlebotomy Technician Certificate | MN State Community and Technical College  | Fergus Falls     | Partial | 16     | One Semester | Certificate | No                              | No                  | <a href="https://www.minnesota.edu/programs-and-degrees/phlebotomy-technician">https://www.minnesota.edu/programs-and-degrees/phlebotomy-technician</a>   |
| Phlebotomy Technician Certificate | MN West Community & Technical College     | Luverne          | Partial | 16     | One Semester | Certificate | No                              | No                  | <a href="https://www.mnwest.edu/programs-courses/list/phlebotomy-certificate">https://www.mnwest.edu/programs-courses/list/phlebotomy-certificate</a>   |
| Phlebotomy Technician Certificate | North Hennepin Community College          | Brooklyn Park    | Partial | 13     | One Semester | Certificate | No                              | No                  | <a href="https://www.nhcc.edu/academic-programs/degrees-and-certificates/health-careers/phlebotomy-cert">https://www.nhcc.edu/academic-programs/degrees-and-certificates/health-careers/phlebotomy-cert</a> |
| Phlebotomy Technician Certificate | Saint Paul College                        | Saint Paul       | Partial | 22     | One Semester | Certificate | No                              | No                  | <a href="https://www.saintpaul.edu/programs/ProgramGuides/PhlebotomyTechnicianCertificate.pdf">https://www.saintpaul.edu/programs/ProgramGuides/PhlebotomyTechnicianCertificate.pdf</a>                     |

HEALTH CARE — Radiologic Technician

| Program               | Training Institution                               | Location         | Online       | Credit     | Duration               | Credential        | Has participated in DTG Program | Competencies Mapped | URL   |
|-----------------------|--|------------------|--------------|------------|------------------------|-------------------|---------------------------------|---------------------|---|
| Radiologic Technology | Century College                                    | White Bear       | No           | 78 credits | Six semesters          | Associates Degree | No                              | No                  | <a href="https://www.century.edu/programs/radiologic-technology">https://www.century.edu/programs/radiologic-technology</a>   |
| Radiologic Technology | Lake Superior College                              | Duluth           | No           | 78 credits | Six semesters          | Associates Degree | No                              | No                  | <a href="https://degrees.lsc.edu/radiologic-technologist/">https://degrees.lsc.edu/radiologic-technologist/</a>   |
| Radiologic Technology | Minnesota State Community & Technical College      | Detroit Lakes    | Yes, partial | 79 credits | Six semesters          | Associates Degree | No                              | No                  | <a href="https://www.minnesota.edu/programs_majors.php?prog_code=470#/">https://www.minnesota.edu/programs_majors.php?prog_code=470#/</a>   |
| Radiologic Technology | Minnesota West State Community & Technical College | Luverne          | No           | 84 credits | Two years              | Associates Degree | No                              | No                  | <a href="https://www.mnwest.edu/faculty-webpages/radiologic-technology">https://www.mnwest.edu/faculty-webpages/radiologic-technology</a>   |
| Radiologic Technology | Northland Community & Technical College            | East Grand Forks | No           | 83 credits | 21 months, 5 semesters | Associates Degree | No                              | No                  | <a href="http://www.northlandcollege.edu/programs/radiologic-technology/program_detail.php?program_code=470">http://www.northlandcollege.edu/programs/radiologic-technology/program_detail.php?program_code=470</a> |
| Radiologic Technology | Rasmussen College                                  | Lake Elmo        | Yes, partial | ???        | Two years              | Associates Degree | No                              | No                  | <a href="https://www.mnwest.edu/faculty-webpages/radiologic-technology">https://www.mnwest.edu/faculty-webpages/radiologic-technology</a>   |
| Radiologic Technology | Dunwoody College of Technology                     | Minneapolis      | No           | ???        | Two years              | Associates Degree | No                              | No                  | <a href="https://dunwoody.edu/radtech/radiologic-technology/">https://dunwoody.edu/radtech/radiologic-technology/</a>   |
| Radiologic Technology | Mayo Clinic College of Medicine & Science          | Rochester        | No           | ???        | Two years              | Associates Degree | No                              | No                  | <a href="https://college.mayo.edu/academics/health-sciences-education/radiography-program-minnesota/">https://college.mayo.edu/academics/health-sciences-education/radiography-program-minnesota/</a>               |
| Radiologic Technology | St. Cloud Hospital                                 | St. Cloud        | No           | ???        | 21 months              | Certificate       | No                              | No                  | <a href="https://www.centracare.com/professionals/school-of-diagnostic-imaging/">https://www.centracare.com/professionals/school-of-diagnostic-imaging/</a>   |
| Radiologic Technology | St. Catherine University                           | Minneapolis      | No           | ???        | 73 months              | Associates Degree | No                              | No                  | <a href="https://www.stkate.edu/academics/academic-programs/cfa-radiography">https://www.stkate.edu/academics/academic-programs/cfa-radiography</a>   |
| Radiologic Technology | Minnesota State College Southeast                  | Winona           | No           | 71 credits | 28 months              | Associates Degree | No                              | No                  | <a href="http://www.southeastmn.edu/academic_programs/program/Default.aspx?pid=65">http://www.southeastmn.edu/academic_programs/program/Default.aspx?pid=65</a>   |
| Radiologic Technology | Mayo Clinic College of Medicine & Science          | Rochester        | No           |            | 12 months              | Certificate       | No                              | No                  | <a href="https://college.mayo.edu/academics/health-sciences-education/radiation-therapy-program-minnesota/">https://college.mayo.edu/academics/health-sciences-education/radiation-therapy-program-minnesota/</a>   |
| Radiologic Technology | Riverland Community College                        | Austin           | No           | 83 credits | Two years              | Associates Degree | No                              | No                  | <a href="https://www.riverland.edu/academics/programs/radiography-x-ray-aas/description/">https://www.riverland.edu/academics/programs/radiography-x-ray-aas/description/</a>                                       |

HEALTH CARE — Registered Nurse

| Program                                | Training Institution                       | Location                            | Online  | Credit | Duration                   | Credential | Has participated in DTG Program | Competencies Mapped | URL   |
|--|--|-------------------------------------|---------|--------|----------------------------|------------|---------------------------------|---------------------|---|
| A.S. in Nursing (LPN to RN track)      | Pine Technical and Community College       | Pine City                           | Partial | 64     | 4 semesters                | Associates | No                              | No                  | <a href="https://www.pine.edu/programs/health-science-and-nursing/nursing/">https://www.pine.edu/programs/health-science-and-nursing/nursing/</a>   |
| Accelerated Nursing Post Baccalaureate | Concordia College                          | Moorhead                            | Partial |        | 16 months                  | Bachelors  | No                              | No                  | <a href="https://concordiacontinuingstudies.com/graduate-accelerated-post-bacc/accelerated-nursing/">https://concordiacontinuingstudies.com/graduate-accelerated-post-bacc/accelerated-nursing/</a>                       |
| Bachelor of Science in Nursing         | Concordia University                       | Saint Paul                          | Partial | 121    | 4 years                    | Bachelors  | No                              | No                  | <a href="https://www.csp.edu/academic-programs/nursing/">https://www.csp.edu/academic-programs/nursing/</a>   |
| Bachelor of Science in Nursing         | University of Minnesota                    | Minneapolis, Rochester              | Partial |        | Varies                     | Bachelors  | No                              | No                  | <a href="https://www.nursing.umn.edu/degrees-programs/bachelor-science-nursing">https://www.nursing.umn.edu/degrees-programs/bachelor-science-nursing</a>   |
| Bachelor's to DNP                      | College of St. Scholastica                 | Duluth, St. Cloud                   | Yes     | 79-83  | 4 years                    | Doctorate  | No                              | No                  | <a href="https://www.css.edu/academics/programs/doctorate/bachelors-to-doctor-of-nursing-practice/">https://www.css.edu/academics/programs/doctorate/bachelors-to-doctor-of-nursing-practice/</a>                         |
| BSN                                    | Crown College                              | St. Bonifacius                      | Partial | 120    | 4 years                    | Bachelors  | No                              | No                  | <a href="https://www.crown.edu/on-campus-degree-programs/nursing/nursing-bsn/">https://www.crown.edu/on-campus-degree-programs/nursing/nursing-bsn/</a>   |
| BSN                                    | Herzing University                         | Various                             | Partial | 120    | 36 months+                 | Bachelors  | No                              | No                  | <a href="https://www.herzing.edu/nursing/bachelor-science-nursing-bsn-degree">https://www.herzing.edu/nursing/bachelor-science-nursing-bsn-degree</a>   |
| Master of Nursing                      | University of Minnesota                    | Minneapolis                         | Partial |        | 16 months                  | Masters    | No                              | No                  | <a href="https://www.nursing.umn.edu/degrees-programs/master-nursing">https://www.nursing.umn.edu/degrees-programs/master-nursing</a>   |
| Master of Science in Nursing           | Rasmussen College                          | 8 locations in MN                   | Yes     |        | 18 months+                 | Masters    | No                              | No                  | <a href="https://www.rasmussen.edu/degrees/nursing/master-science-nursing/">https://www.rasmussen.edu/degrees/nursing/master-science-nursing/</a>   |
| Master of Science in Nursing           | MN State University Moorhead               | Moorhead                            | Partial | 41-42  | Varies                     | Masters    | No                              | No                  | <a href="https://www.mnstate.edu/graduate/nursing/courses.aspx">https://www.mnstate.edu/graduate/nursing/courses.aspx</a>   |
| Master of Science in Nursing (ELMSN)   | Metropolitan State University              | St. Paul                            | Partial |        | 7 semesters                | Masters    | No                              | No                  | <a href="https://www.metrostate.edu/academics/nursing-and-health-sciences/nursing">https://www.metrostate.edu/academics/nursing-and-health-sciences/nursing</a>   |
| Nursing                                | Alexandria Technical and Community College | Alexandria                          | Partial | 64     | 2 semesters after generals | Associates | No                              | No                  | <a href="https://www.alextech.edu/programs/nursing">https://www.alextech.edu/programs/nursing</a>   |
| Nursing                                | Central Lakes College                      | Brainerd                            | Partial | 64     | 2 semesters after generals | Associates | No                              | No                  | <a href="http://www.clcmn.edu/nursing-a-s-mobility/">http://www.clcmn.edu/nursing-a-s-mobility/</a>   |
| Nursing                                | Minneapolis College                        | Minneapolis                         | Partial | 64     | 4 semesters                | Associates | No                              | No                  | <a href="https://www.minneapolis.edu/academics/school-nursing-health-sciences-and-wellness/nursing">https://www.minneapolis.edu/academics/school-nursing-health-sciences-and-wellness/nursing</a>                         |
| Nursing                                | Northland Community and Technical College  | East Grand Forks, Thief River Falls | Partial | 64     | 2 semesters after generals | Associates | No                              | No                  | <a href="http://www.northlandcollege.edu/programs/nursing/program_detail.php?program_code=469">http://www.northlandcollege.edu/programs/nursing/program_detail.php?program_code=469</a>                                   |
| Nursing                                | Northwest Technical College                | Bemidji                             | Yes     | 64     | 4 semesters                | Associates | No                              | No                  | <a href="https://www.ntcmn.edu/career-paths/health-care/nursing/admission-to-nursing/as-nursing-generic-track/">https://www.ntcmn.edu/career-paths/health-care/nursing/admission-to-nursing/as-nursing-generic-track/</a> |
| Nursing                                | Bemidji State University                   | Bemidji                             | Partial | 87     | 4 years                    | Bachelors  | No                              | No                  | <a href="https://www.bemidjistate.edu/academics/departments/nursing/programs/">https://www.bemidjistate.edu/academics/departments/nursing/programs/</a>   |

HEALTH CARE — Registered Nurse

| Program                                    | Training Institution                      | Location                            | Online  | Credit | Duration    | Credential | Has participated in DTG Program | Competencies Mapped | URL   |
|--|---|-------------------------------------|---------|--------|-------------|------------|---------------------------------|---------------------|---|
| Nursing                                    | St. Cloud State University                | St. Cloud                           | Partial | 98     | 4 years     | Bachelors  | No                              | No                  | <a href="https://catalog.stcloudstate.edu/~Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;catalogid=7&amp;topicgroupid=1780">https://catalog.stcloudstate.edu/~Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;catalogid=7&amp;topicgroupid=1780</a> |
| Nursing                                    | Winona State University                   | Winona                              | Partial | 120    | 4 years     | Bachelors  | No                              | No                  | <a href="https://www.winona.edu/undergrad-nursing/pre-licensure-program.asp">https://www.winona.edu/undergrad-nursing/pre-licensure-program.asp</a>   |
| Nursing                                    | Bethany Lutheran College                  | Mankato                             | Partial | 120    | 4 years     | Bachelors  | No                              | No                  | <a href="https://blc.edu/academics/programs/nursing-major/">https://blc.edu/academics/programs/nursing-major/</a>   |
| Nursing                                    | Bethel University                         | St. Paul                            | Partial | 120    | 4 years     | Bachelors  | No                              | No                  | <a href="https://www.bethel.edu/undergrad/academics/nursing/majors-minors/nursing">https://www.bethel.edu/undergrad/academics/nursing/majors-minors/nursing</a>   |
| Nursing                                    | Saint Benedicts/Saint John's              | St. Joseph                          | Partial | 120    | 4 years     | Bachelors  | No                              | No                  | <a href="https://www.csbsiu.edu/nursing">https://www.csbsiu.edu/nursing</a>   |
| Nursing                                    | College of St. Scholastica                | Duluth                              | Partial | 120    | 4 years     | Bachelors  | No                              | No                  | <a href="http://www.css.edu/undergraduate/undergraduate-traditional/academics/nursing/nursing.html">http://www.css.edu/undergraduate/undergraduate-traditional/academics/nursing/nursing.html</a>   |
| Nursing                                    | Concordia College                         | Moorhead                            | Partial | 120    | 4 years     | Bachelors  | No                              | No                  | <a href="https://www.concordiacollege.edu/academics/programs-of-study/nursing/">https://www.concordiacollege.edu/academics/programs-of-study/nursing/</a>   |
| Nursing                                    | Gustavus Adolphus                         | St. Peter                           | Partial | 120    | 4 years     | Bachelors  | No                              | No                  | <a href="https://gustavus.edu/nursing/ProgramOverview2.php">https://gustavus.edu/nursing/ProgramOverview2.php</a>   |
| Nursing                                    | Presentation College                      | Fairmont                            | Yes     | 120    | 4 years     | Bachelors  | No                              | No                  | <a href="https://www.presentation.edu/academics/programs/nursing-bsn">https://www.presentation.edu/academics/programs/nursing-bsn</a>   |
| Nursing                                    | St. Catherine University                  | Saint Paul                          | Partial | 120    | 4 years     | Bachelors  | No                              | No                  | <a href="https://www.stkate.edu/academics/academic-programs/cfw-nursing">https://www.stkate.edu/academics/academic-programs/cfw-nursing</a>   |
| Nursing                                    | St. Olaf College                          | Northfield                          | Partial | 120    | 4 years     | Bachelors  | No                              | No                  | <a href="https://wp.stolaf.edu/nursing/">https://wp.stolaf.edu/nursing/</a>   |
| Nursing                                    | University of Northwestern                | Saint Paul                          | Partial | 134    | 4 years     | Bachelors  | No                              | No                  | <a href="https://unwsp.edu/program/nursing">https://unwsp.edu/program/nursing</a>   |
| Nursing - Advanced Standing option         | MN State Community and Technical College  | Detroit Lakes, Fergus Falls, Wadena | Partial | 32     | 2 semesters | Associates | No                              | No                  | <a href="https://www.minnesota.edu/degrees/781">https://www.minnesota.edu/degrees/781</a>   |
| Nursing - Associates Degree & B.S. Program | Ridgewater College                        | Hutchinson and Willmar              | Partial | 75     | 5 semesters | Associates | No                              | No                  | <a href="https://ridgewater.edu/academics/areas-of-study/health-care/nursing-associates-degree-and-bachelor-of-science/">https://ridgewater.edu/academics/areas-of-study/health-care/nursing-associates-degree-and-bachelor-of-science/</a>           |
| Nursing (A.D.N.)                           | St. Cloud Technical and Community College | St. Cloud                           | Partial | 64     | 4 semesters | Associates | No                              | No                  | <a href="https://www.sctcc.edu/degrees-programs/nursing-adn">https://www.sctcc.edu/degrees-programs/nursing-adn</a>   |
| Nursing (AD) Program                       | Rochester Community and Technical College | Rochester                           | Partial | 64     | 4 semesters | Associates | No                              | No                  | <a href="https://www.rctc.edu/program/nurs/">https://www.rctc.edu/program/nurs/</a>   |
| Nursing (MANE BSN)                         | Metropolitan State University             | St. Paul                            | Partial | 120    | 4 years     | Bachelors  | No                              | No                  | <a href="https://www.metrostate.edu/academics/programs/nursing-mane-bsn">https://www.metrostate.edu/academics/programs/nursing-mane-bsn</a>   |

HEALTH CARE — Registered Nurse

| Program                                   | Training Institution                    | Location                    | Online  | Credit | Duration                   | Credential | Has participated in DTG Program | Competencies Mapped | URL   |
|---|---|-----------------------------|---------|--------|----------------------------|------------|---------------------------------|---------------------|---|
| Nursing (MANE)                            | Anoka-Ramsey Community College          | Coon Rapids and Cambridge   | Partial | 75     | 5 semesters                | Associates | No                              | No                  | <a href="https://www.anokaramsey.edu/academics/degrees-diplomas-certificates/two-year-degrees/associate-of-science-degrees/nursing/">https://www.anokaramsey.edu/academics/degrees-diplomas-certificates/two-year-degrees/associate-of-science-degrees/nursing/</a> |
| Nursing (MANE)                            | Century College                         | White Bear Lake             | Partial | 75     | 5 semesters                | Associates | No                              | No                  | <a href="https://www.century.edu/programs/nursing">https://www.century.edu/programs/nursing</a>   |
| Nursing (MANE)                            | Inver Hills Community College           | Inver Grove Heights         | Partial | 75     | 5 semesters                | Associates | No                              | No                  | <a href="https://www.inverhills.edu/DegreesAndPrograms/Nursing/index.aspx">https://www.inverhills.edu/DegreesAndPrograms/Nursing/index.aspx</a>   |
| Nursing (MANE)                            | Normandale Community College            | Bloomington                 | Partial | 75     | 5 semesters                | Associates | No                              | No                  | <a href="http://www.normandale.edu/catalog/programs-of-study/associate-of-science/nursing-(as) - 75-credits">http://www.normandale.edu/catalog/programs-of-study/associate-of-science/nursing-(as) - 75-credits</a>   |
| Nursing (MANE)                            | North Hennepin Community College        | Brooklyn Park               | Partial | 75     | 5 semesters                | Associates | No                              | No                  | <a href="https://www.nhcc.edu/academic-programs/degrees-and-certificates/health-careers/nursing-as">https://www.nhcc.edu/academic-programs/degrees-and-certificates/health-careers/nursing-as</a>   |
| Nursing (RN Track) Dual Admission Program | Riverland Community College             | Austin                      | Partial | 64     | 2 semesters after generals | Associates | No                              | No                  | <a href="https://www.riverland.edu/academics/programs/nursing-rn-track-dual-admission-program-as/description/">https://www.riverland.edu/academics/programs/nursing-rn-track-dual-admission-program-as/description/</a>   |
| Nursing (Traditional Program)             | Hibbing Community College               | Hibbing and Vermilion       | Partial | 64     | 2 semesters after generals | Associates | No                              | No                  | <a href="https://hibbing.edu/academics/areas-of-study/medical-dental/nursing-as-degree-(traditional-program-plan)">https://hibbing.edu/academics/areas-of-study/medical-dental/nursing-as-degree-(traditional-program-plan)</a>                                     |
| Nursing Anesthesia MSN                    | Metropolitan State University           | St. Paul                    | Partial | 60     | 5 semesters                | Masters    | No                              | No                  | <a href="https://www.metrostate.edu/academics/programs/nursing-anesthesia">https://www.metrostate.edu/academics/programs/nursing-anesthesia</a>   |
| Nursing BSN                               | Minnesota State University-Moorhead     | Moorhead                    | Yes     |        | Varies                     | Bachelors  | No                              | No                  | <a href="https://www.mnstate.edu/rn-bsn/">https://www.mnstate.edu/rn-bsn/</a>   |
| Nursing Practice DNP                      | Metropolitan State University           | St. Paul                    | Partial | 63 /80 | Varies                     | Doctorate  | No                              | No                  | <a href="https://www.metrostate.edu/academics/programs/nursing-practice-dnp#requirements">https://www.metrostate.edu/academics/programs/nursing-practice-dnp#requirements</a>   |
| Nursing, A.S.                             | MN West Community and Technical College | Worthington and online      | Yes     | 64     | 2 semesters after generals | Associates | No                              | No                  | <a href="https://www.mnwest.edu/programs-courses/list/nursing-as">https://www.mnwest.edu/programs-courses/list/nursing-as</a>   |
| Nursing, Bachelor of Science (BS)         | Minnesota State University Mankato      | Mankato                     | Partial | 120    | 4 years                    | Bachelors  | No                              | No                  | <a href="https://ahn.mnsu.edu/academic-programs/nursing-bs/nursing-pre-licensure-program/">https://ahn.mnsu.edu/academic-programs/nursing-bs/nursing-pre-licensure-program/</a>   |
| PhD in Nursing                            | University of Minnesota                 | Minneapolis                 | Partial |        | 4 years+                   | Doctorate  | No                              | No                  | <a href="https://www.nursing.umn.edu/degrees-programs/phd-nursing">https://www.nursing.umn.edu/degrees-programs/phd-nursing</a>   |
| Post-Baccalaureate Nursing Track          | College of St. Scholastica              | Duluth, St. Cloud           | Partial |        | 15 months                  | Bachelors  | No                              | No                  | <a href="https://www.css.edu/academics/programs/undergraduate/post-baccalaureate-nursing/">https://www.css.edu/academics/programs/undergraduate/post-baccalaureate-nursing/</a>   |
| Professional Nursing                      | Lake Superior College                   | Duluth                      | Partial | 64     | 4 semesters                | Associates | No                              | No                  | <a href="https://degrees.lsc.edu/rn/">https://degrees.lsc.edu/rn/</a>   |
| Professional Nursing                      | South Central College                   | Faribault and North Mankato | Partial | 64     | 4 semesters                | Associates | No                              | No                  | <a href="http://southcentral.edu/Award/as3363-2317.html">http://southcentral.edu/Award/as3363-2317.html</a>   |
| Professional Nursing                      | Rasmussen College                       | 8 locations in MN           | Yes     |        | 18 months+                 | Associates | No                              | No                  | <a href="https://www.rasmussen.edu/degrees/nursing/professional-nursing/">https://www.rasmussen.edu/degrees/nursing/professional-nursing/</a>   |

HEALTH CARE — Registered Nurse

| Program                     | Training Institution               | Location                         | Online  | Credit | Duration        | Credential | Has participated in DTG Program | Competencies Mapped | URL   |
|-----------------------------|------------------------------------|----------------------------------|---------|--------|-----------------|------------|---------------------------------|---------------------|---|
| RN Baccalaureate Completion | Minnesota State University Mankato | Mankato                          | Partial | 30+    | Varies          | Bachelors  | No                              | No                  | <a href="https://ahn.mnsu.edu/academic-programs/nursing/rn-baccalaureate-completion/">https://ahn.mnsu.edu/academic-programs/nursing/rn-baccalaureate-completion/</a> |
| RN to BSN                   | Southwest MN State University      | Marshall                         | Yes     | 82     | Varies          | Bachelors  | No                              | No                  | <a href="https://www.smsu.edu/academics/programs/rntobsn/index.html">https://www.smsu.edu/academics/programs/rntobsn/index.html</a>                                   |
| RN to BSN                   | Winona State University            | Rochester, La Crescent, Red Wing | Partial | 40+    | Varies          | Bachelors  | No                              | No                  | <a href="https://www.winona.edu/undergrad-nursing/rn-bs-completion-program.asp">https://www.winona.edu/undergrad-nursing/rn-bs-completion-program.asp</a>             |
| RN to BSN                   | Concordia University               | Saint Paul                       | Yes     | 36     | Varies          | Bachelors  | No                              | No                  | <a href="https://online.csp.edu/academics/rn-to-bsn">https://online.csp.edu/academics/rn-to-bsn</a>   |
| RN to BSN                   | Rasmussen College                  | 8 locations in MN                | Yes     |        | 12 or 18 months | Bachelors  | No                              | No                  | <a href="https://www.rasmussen.edu/degrees/nursing/rn-bsn/">https://www.rasmussen.edu/degrees/nursing/rn-bsn/</a>   |
| RN to BSN Online            | College of St. Scholastica         | Duluth                           | Yes     | 40+    | Varies          | Bachelors  | No                              | No                  | <a href="https://www.css.edu/academics/programs/undergraduate/rn-to-bs-in-nursing/">https://www.css.edu/academics/programs/undergraduate/rn-to-bs-in-nursing/</a>     |



**HEALTH CARE — Respiratory Therapist**

| Program   | Training Institution       | Location         | Online  | Credit | Duration  | Credential                          | Has participated in DTG Program | Competencies Mapped | URL   |
|---|----------------------------|------------------|---------|--------|-----------|-------------------------------------|---------------------------------|---------------------|---|
| Bachelor's of Pulmonary Science Degree                | Concordia St. Paul         | Saint Paul       | Yes     | 44     | Varies    | Bachelor of Science Degree          | No                              | No                  | <a href="http://catalog.csp.edu/undergraduate/majors/pulmonary-science-bs-adult/">http://catalog.csp.edu/undergraduate/majors/pulmonary-science-bs-adult/</a>   |
| Respiratory Care Bachelor of Science                  | University of MN Rochester | Rochester        | Partial | 124    | 4 Years   | Bachelor of Science Degree          | No                              | No                  | <a href="https://onestop2.umn.edu/pcas/viewCatalogSamplePlan.do?samplePlanId=70249&amp;programID=5437&amp;programSeq=90799&amp;campus=UMNRO">https://onestop2.umn.edu/pcas/viewCatalogSamplePlan.do?samplePlanId=70249&amp;programID=5437&amp;programSeq=90799&amp;campus=UMNRO</a>                   |
| Respiratory Care Bachelor's Degree                    | St. Catherine University   | Saint Paul       | Partial |        | 4 Years   | Bachelor of Science Degree          | No                              | No                  | <a href="https://catalog.stkate.edu/undergraduate/health/respiratory-care/ba-bs/#majorrequirementstext">https://catalog.stkate.edu/undergraduate/health/respiratory-care/ba-bs/#majorrequirementstext</a>   |
| Respiratory Therapist - Respiratory Care Practitioner | Saint Paul College         | Saint Paul       | Partial | 78     | Six Terms | Associate of Applied Science Degree | No                              | No                  | <a href="https://www.saintpaul.edu/programs/ProgramGuides/RespiratoryTherapistAAS.pdf">https://www.saintpaul.edu/programs/ProgramGuides/RespiratoryTherapistAAS.pdf</a>   |
| Respiratory Therapist AAS Degree                      | Northland College          | East Grand Forks | Yes     | 78     | Six Terms | Associate of Applied Science Degree | No                              | No                  | <a href="http://www.northlandcollege.edu/programs/respiratory_therapist/program_detail.php?program_code=496&amp;semester_order=display&amp;campus=DE">http://www.northlandcollege.edu/programs/respiratory_therapist/program_detail.php?program_code=496&amp;semester_order=display&amp;campus=DE</a> |
| Respiratory Therapy AAS Degree                        | Lake Superior College      | Duluth           | Partial | 78     | Six Terms | Associate of Applied Science Degree | No                              | No                  | <a href="https://degrees.lsc.edu/wp-content/uploads/2020-Respiratory-Therapy.pdf">https://degrees.lsc.edu/wp-content/uploads/2020-Respiratory-Therapy.pdf</a>   |

HEALTH CARE — Dental Hygienist

| Program                           | Training Institution                            | Location        | Online  | Credit | Duration            | Credential  | Has participated in DTG program | Competencies Mapped | URL   |
|-----------------------------------|---|-----------------|---------|--------|---------------------|-------------|---------------------------------|---------------------|---|
| Dental Hygiene                    | Century College                                 | White Bear Lake | Partial | 79     | Varies              | Associate   | No                              | No                  | <a href="https://www.century.edu/programs/dental-hygiene">https://www.century.edu/programs/dental-hygiene</a>   |
| Dental Hygiene                    | Lake Superior College                           | Duluth          | Partial | 82     | 2 years             | Associate   | No                              | No                  | <a href="https://degrees.lsc.edu/dental-hygienist/">https://degrees.lsc.edu/dental-hygienist/</a>   |
| Dental Hygiene                    | Minnesota State Community and Technical College | Fergus Falls    | Partial | 88     | 2 years             | Associate   | No                              | No                  | <a href="https://www.minnesota.edu/degrees/200">https://www.minnesota.edu/degrees/200</a>   |
| Dental Hygiene                    | Normandale Community College                    | Bloomington     | Partial | 88     | 2 years             | Associate   | No                              | No                  | <a href="https://www.normandale.edu/departments/health-sciences/dental-hygiene/dental-hygiene-degrees">https://www.normandale.edu/departments/health-sciences/dental-hygiene/dental-hygiene-degrees</a>               |
| Dental Hygiene                    | Rochester Community and Technical College       | Rochester       | Partial | 83     | 2 years             | Associate   | No                              | No                  | <a href="https://www.rctc.edu/program/dh/">https://www.rctc.edu/program/dh/</a>   |
| Dental Hygiene                    | St. Cloud Technical and Community College       | St. Cloud       | Partial | 80     | 2 years             | Associate   | No                              | No                  | <a href="https://www.sctcc.edu/degrees-programs/dental-hygienist">https://www.sctcc.edu/degrees-programs/dental-hygienist</a>   |
| Dental Hygiene                    | Metropolitan State University                   | St. Paul        | Partial | 120    | 4 years             | Bachelor's  | No                              | No                  | <a href="https://www.metrostate.edu/academics/programs/dental-hygiene-bsdh">https://www.metrostate.edu/academics/programs/dental-hygiene-bsdh</a>   |
| Dental Hygiene                    | Minnesota State University - Mankato            | Mankato         | Partial | 120    | 4 years             | Bachelor's  | No                              | No                  | <a href="https://ahn.mnsu.edu/academic-programs/dental-education/dental-hygiene-bs/dental-hygiene-bs2/">https://ahn.mnsu.edu/academic-programs/dental-education/dental-hygiene-bs/dental-hygiene-bs2/</a>             |
| Dental Hygiene                    | University of Minnesota                         | Minneapolis     | Partial | 120    | 3 years-accelerated | Bachelor's  | No                              | No                  | <a href="https://www.dentistry.umn.edu/degrees-programs/dental-hygiene/bachelor-science">https://www.dentistry.umn.edu/degrees-programs/dental-hygiene/bachelor-science</a>   |
| Dental Hygiene                    | University of Minnesota                         | Minneapolis     | Yes     | 35+    | Varies              | Master's    | No                              | No                  | <a href="https://www.dentistry.umn.edu/degrees-programs/dental-hygiene/master-science">https://www.dentistry.umn.edu/degrees-programs/dental-hygiene/master-science</a>   |
| Dental Hygiene                    | Herzing University                              | St. Louis Park  | Partial |        | 36 months+          | Bachelor's  | No                              | No                  | <a href="https://www.herzing.edu/healthcare/dental-hygiene-degree">https://www.herzing.edu/healthcare/dental-hygiene-degree</a>   |
| Online Dental Hygiene BS          | Minnesota State University - Mankato            | Mankato         | Yes     | 32+    | Varies              | Bachelor's  | No                              | No                  | <a href="https://ahn.mnsu.edu/academic-programs/dental-education/dental-hygiene-bs/online-dental-hygiene-bs/">https://ahn.mnsu.edu/academic-programs/dental-education/dental-hygiene-bs/online-dental-hygiene-bs/</a> |
| Post-Baccalaureate Dental Hygiene | Metropolitan State University                   | St. Paul        | Partial | 16     | 1 semester          | Certificate | No                              | No                  | <a href="https://www.metrostate.edu/academics/nursing-and-health-sciences/dental-hygiene">https://www.metrostate.edu/academics/nursing-and-health-sciences/dental-hygiene</a>   |

HEALTH CARE — Medical Laboratory Technician

| Program                       | Training Institution                       | Location                 | Online  | Credit | Duration | Credential | Has Participated in DTG Program | Competencies Mapped | URL   |
|-------------------------------|--|--------------------------|---------|--------|----------|------------|---------------------------------|---------------------|---|
| Medical Lab Technology        | North Hennepin Community College           | Brooklyn Park            | Partial | 60     | 2 years  | Associates | No                              | No                  | <a href="https://www.nhcc.edu/academic-programs/degrees-and-certificates/health-careers/medical-laboratory-technology-aas">https://www.nhcc.edu/academic-programs/degrees-and-certificates/health-careers/medical-laboratory-technology-aas</a>           |
| Medical Laboratory Technician | Alexandria Technical and Community College | Alexandria               | Partial | 72     | 2 years  | Associates | No                              | No                  | <a href="https://www.alextech.edu/programs/medical-laboratory-technician">https://www.alextech.edu/programs/medical-laboratory-technician</a>   |
| Medical Laboratory Technician | Hibbing Community College                  | Hibbing                  | Partial | 62     | 2 years  | Associates | No                              | No                  | <a href="https://hibbing.edu/academics/areas-of-study/medical-dental/medical-lab-technician">https://hibbing.edu/academics/areas-of-study/medical-dental/medical-lab-technician</a>   |
| Medical Laboratory Technician | Lake Superior College                      | Duluth                   | Partial | 65     | 2 years  | Associates | No                              | No                  | <a href="https://degrees.lsc.edu/mit/?_sft_program_category=health">https://degrees.lsc.edu/mit/?_sft_program_category=health</a>   |
| Medical Laboratory Technician | MN State College Southeast Tech            | Winona                   | Partial | 67     | 2 years  | Associates | No                              | No                  | <a href="https://www.southeastmn.edu/academics/Area.aspx?a=health&amp;p=74">https://www.southeastmn.edu/academics/Area.aspx?a=health&amp;p=74</a>   |
| Medical Laboratory Technician | MN West Community and Technical College    | Worthington              | Partial | 67     | 2 years  | Associates | No                              | No                  | <a href="https://www.mnwest.edu/programs-courses/list/medical-laboratory-technician-aas">https://www.mnwest.edu/programs-courses/list/medical-laboratory-technician-aas</a>   |
| Medical Laboratory Technician | Saint Paul College                         | Saint Paul               | Partial | 72     | 2 years  | Associates | No                              | No                  | <a href="https://www.saintpaul.edu/programs/Pages/medical-laboratory-technician.aspx">https://www.saintpaul.edu/programs/Pages/medical-laboratory-technician.aspx</a>   |
| Medical Laboratory Technician | South Central College                      | North Mankato, Faribault | Partial | 65     | 2 years  | Associates | No                              | No                  | <a href="http://southcentral.edu/Majors-and-Programs/medical-laboratory-technician-program.html">http://southcentral.edu/Majors-and-Programs/medical-laboratory-technician-program.html</a>   |
| Medical Laboratory Technician | MN State Community and Technical College   | Fergus Falls             | Partial | 60     | 2 years  | Associates | No                              | No                  | <a href="https://www.minnesota.edu/programs-and-degrees/medical-laboratory-technology">https://www.minnesota.edu/programs-and-degrees/medical-laboratory-technology</a>   |
| Medical Laboratory Science    | MN State University at Mankato             | Mankato                  | Partial | 120    | 4 years  | Bachelors  | No                              | No                  | <a href="https://cset.mnsu.edu/academic-programs/medical-laboratory-science/medical-laboratory-science-bachelor-of-science-bs/">https://cset.mnsu.edu/academic-programs/medical-laboratory-science/medical-laboratory-science-bachelor-of-science-bs/</a> |
| Medical Laboratory Science    | Southwest MN State University-Marshall     | Marshall                 | Partial | 120    | 4 years  | Bachelors  | No                              | No                  | <a href="https://www.smsu.edu/academics/programs/biology/index.html">https://www.smsu.edu/academics/programs/biology/index.html</a>   |
| Medical Laboratory Science    | St. Cloud State University                 | St. Cloud                | Partial | 120    | 4 years  | Bachelors  | No                              | No                  | <a href="https://catalog.stcloudstate.edu/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=1897">https://catalog.stcloudstate.edu/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=1897</a>                                       |
| Medical Laboratory Science    | University of Minnesota                    | Minneapolis              | Partial | 120    | 4 years  | Bachelors  | No                              | No                  | <a href="https://www.alliedhealth.umn.edu/mls">https://www.alliedhealth.umn.edu/mls</a>   |
| Medical Laboratory Technology | Northwestern Health Sciences University    | Bloomington              | Partial | 75     | 2 years  | Associates | No                              | No                  | <a href="https://www.nwhealth.edu/academics/medical-laboratory-technology/">https://www.nwhealth.edu/academics/medical-laboratory-technology/</a>   |
| Medical Lab Technician        | Rasmussen College                          | Varies                   | Yes     | 91     | 2 years  | Associates | No                              | No                  | <a href="https://www.rasmussen.edu/degrees/health-sciences/medical-lab-technician/associates/">https://www.rasmussen.edu/degrees/health-sciences/medical-lab-technician/associates/</a>   |

HEALTH CARE — Senior Living Culinary

| Program  | Training Institution                    | Location      | Online       | Credit     | Duration        | Credential        | Has participated in DTG Program | Competencies Mapped | URL   |
|--|---|---------------|--------------|------------|-----------------|-------------------|---------------------------------|---------------------|---|
| Culinary Arts                                      | St. Paul College                        | St. Paul      | Yes, partial | 58 credits | 2 years         | Diploma           | No                              | No                  | <a href="https://www.saintpaul.edu/programs/culinary-arts">https://www.saintpaul.edu/programs/culinary-arts</a>   |
| Culinary Arts                                      | St. Paul College                        | St. Paul      | Yes, partial | 68 credits | 2 years         | Associates Degree | No                              | No                  | <a href="https://www.saintpaul.edu/programs/culinary-arts">https://www.saintpaul.edu/programs/culinary-arts</a>   |
| Culinary Arts                                      | Hennepin Technical College              | Brooklyn Park | No           | 38 credits | Three semesters | Diploma           | No                              | No                  | <a href="http://hennepintech.smartcatalogiq.com/en/2020-2021/Catalog/Degrees-and-Programs/Service-and-Education/Culinary-Arts/Culinary-Arts-BP-Diploma">http://hennepintech.smartcatalogiq.com/en/2020-2021/Catalog/Degrees-and-Programs/Service-and-Education/Culinary-Arts/Culinary-Arts-BP-Diploma</a>             |
| Culinary Arts                                      | Hennepin Technical College              | Brooklyn Park | No           | 65 credits | Two years       | Associates degree | No                              | No                  | <a href="http://hennepintech.smartcatalogiq.com/en/2020-2021/Catalog/Degrees-and-Programs/Service-and-Education/Culinary-Arts/Culinary-Arts-BP-Associate-in-">http://hennepintech.smartcatalogiq.com/en/2020-2021/Catalog/Degrees-and-Programs/Service-and-Education/Culinary-Arts/Culinary-Arts-BP-Associate-in-</a> |
| Culinary Arts                                      | South Central College                   | North Mankato | No           | 52 credits | Two years       | Diploma           | No                              | No                  | <a href="http://southcentral.edu/Majors-and-Programs/culinary-arts.html">http://southcentral.edu/Majors-and-Programs/culinary-arts.html</a>   |
| Culinary Arts                                      | South Central College                   | North Mankato | No           | 67 credits | Two years       | Associates degree | No                              | No                  | <a href="http://southcentral.edu/Majors-and-Programs/culinary-arts.html">http://southcentral.edu/Majors-and-Programs/culinary-arts.html</a>   |
| Culinary Arts                                      | St. Cloud Technical & Community College | St. Cloud     | No           | 38 credits | Three semesters | Diploma           | No                              | No                  | <a href="https://www.sctcc.edu/degrees-programs/culinary-arts/culinary-arts-diploma-38-credits">https://www.sctcc.edu/degrees-programs/culinary-arts/culinary-arts-diploma-38-credits</a>   |
| Culinary Arts                                      | St. Cloud Technical & Community College | St. Cloud     | No           | 66 credits | Two years       | Associates degree | No                              | No                  | <a href="https://www.sctcc.edu/degrees-programs/culinary-arts/culinary-arts-aas-66-credits">https://www.sctcc.edu/degrees-programs/culinary-arts/culinary-arts-aas-66-credits</a>   |
| Culinary Arts                                      | Hibbing Community College               | Hibbing       | No           | 65 credits | Two years       | AAS Degree        | No                              | No                  | <a href="http://hibbing.edu/academics/areas-of-study/culinary/culinary-arts">http://hibbing.edu/academics/areas-of-study/culinary/culinary-arts</a>   |
| Culinary Arts                                      | Hibbing Community College               | Hibbing       | No           | 31 credits | One year        | Diploma           | No                              | No                  | <a href="http://hibbing.edu/academics/areas-of-study/culinary/culinary-arts-1-year-diploma">http://hibbing.edu/academics/areas-of-study/culinary/culinary-arts-1-year-diploma</a>   |
| Culinary Arts                                      | Hibbing Community College               | Hibbing       | No           | 60 credits | Two years       | Diploma           | No                              | No                  | <a href="http://hibbing.edu/academics/areas-of-study/culinary/culinary-arts-2-year-diploma">http://hibbing.edu/academics/areas-of-study/culinary/culinary-arts-2-year-diploma</a>   |
| Culinary Arts                                      | Hibbing Community College               | Hibbing       | No           | 65 credits | Two years       | Certificate       | No                              | No                  | <a href="http://hibbing.edu/academics/areas-of-study/culinary/culinary-arts-certificate">http://hibbing.edu/academics/areas-of-study/culinary/culinary-arts-certificate</a>   |
| Senior Living Culinary Manager Customized Training | St. Paul College                        | St. Paul      | No           | Non-Credit | One semester    | Certificate       | Yes                             | Yes                 | <a href="https://www.saintpaul.edu/wtce/culinary-arts-training">https://www.saintpaul.edu/wtce/culinary-arts-training</a>   |

HEALTH CARE — Surgical Technologist

| Program                        | Training Institution                          | Location                             | Online       | Credit     | Duration | Credential        | Has participated in DTG Program | Competencies Mapped | URL   |
|--------------------------------|---|--------------------------------------|--------------|------------|----------|-------------------|---------------------------------|---------------------|---|
| Surgical Technician            | St. Paul College                              | St. Paul                             | Yes, partial | 60 Credits | 2 Years  | Associates Degree | No                              | No                  | <a href="https://www.saintpaul.edu/programs/surgical-technology">https://www.saintpaul.edu/programs/surgical-technology</a>   |
| Surgical Technologist          | Lake Superior College                         | Duluth                               | Yes, partial | 60 Credits | 2 Years  | Associates Degree | No                              | No                  | <a href="https://degrees.lsc.edu/scrub/">https://degrees.lsc.edu/scrub/</a>   |
| Surgical Technologist          | St. Cloud Technical & Community College       | St. Cloud                            | Yes, partial | 49 Credits | 2 Years  | Diploma           | No                              | No                  | <a href="https://www.sctcc.edu/degrees-programs/surgical-technology">https://www.sctcc.edu/degrees-programs/surgical-technology</a>   |
| Surgical Technologist          | St. Cloud Technical & Community College       | St. Cloud                            | Yes, partial | 60 Credits | 2 Years  | Associates Degree | No                              | No                  | <a href="https://www.sctcc.edu/degrees-programs/surgical-technology">https://www.sctcc.edu/degrees-programs/surgical-technology</a>   |
| Surgical Technologist          | Minnesota State Community & Technical College | Moorhead                             | Yes, partial | 60 Credits | 2 Years  | Associates Degree | No                              | No                  | <a href="https://www.minnesota.edu/programs-and-degrees/surgical-technology">https://www.minnesota.edu/programs-and-degrees/surgical-technology</a>   |
| Surgical Technologist          | Minnesota West Community & Technical College  | Luverne                              | Yes, partial | 60 Credits | 2 Years  | Associates Degree | No                              | No                  | <a href="https://www.mnwest.edu/programs-courses/list/surgical-technology-aas">https://www.mnwest.edu/programs-courses/list/surgical-technology-aas</a>   |
| Surgical Technologist          | Northland Community & Technical College       | East Grand Forks                     | Yes, partial | 60 Credits | 2 Years  | Associates Degree | No                              | No                  | <a href="http://www.northlandcollege.edu/programs/surgical_technology/program_detail.php?program_code=560">http://www.northlandcollege.edu/programs/surgical_technology/program_detail.php?program_code=560</a> |
| Surgical Technologist          | Rochester Community & Technical College       | Rochester                            | Yes, partial | 60 Credits | 2 Years  | ssociates Degree  | No                              | No                  | <a href="https://www.rctc.edu/program/st/">https://www.rctc.edu/program/st/</a>   |
| Surgical Technologist          | Rasmussen College                             | Brooklyn Park, Moorhead, & St. Cloud | Yes, partial | 60 Credits | 2 Years  | ssociates Degree  | No                              | No                  | <a href="https://www.rasmussen.edu/degrees/health-sciences/surgical-technologist/">https://www.rasmussen.edu/degrees/health-sciences/surgical-technologist/</a>   |
| Surgical Technology Associates | Anoka Technical College                       | Anoka                                | Yes, partial | 60 Credits | 2 Years  | Associates Degree | No                              | No                  | <a href="http://www.anokatech.edu/ProgramsCourses/HealthScienceTech/Surgical-Technology">http://www.anokatech.edu/ProgramsCourses/HealthScienceTech/Surgical-Technology</a>                                     |

HEALTH CARE — WOC Nurse

| Program                                    | Training Institution | Location    | Online | Credit | Duration | Credential  | Has participated in DTG Program | Competencies Mapped | URL  |
|--|----------------------|-------------|--------|--------|----------|-------------|---------------------------------|---------------------|--|
| Certified Wound Care Associate             | WEB WOC Programs     | Minneapolis | Yes    | Varies | Varies   | Certificate | No                              | No                  | <a href="http://www.webwocnurse.com">www.webwocnurse.com</a> |
| Certified Wound Care Specialist            | WEB WOC Programs     | Minneapolis | Yes    | Varies | Varies   | Certificate | No                              | No                  | <a href="http://www.webwocnurse.com">www.webwocnurse.com</a> |
| Ostomy Management Specialist Certification | WEB WOC Programs     | Minneapolis | Yes    | Varies | Varies   | Certificate | No                              | No                  | <a href="http://www.webwocnurse.com">www.webwocnurse.com</a> |
| Wound Care Certification                   | WEB WOC Programs     | Minneapolis | Yes    | Varies | Varies   | Certificate | No                              | No                  | <a href="http://www.webwocnurse.com">www.webwocnurse.com</a> |
| Wound Care Specialist Certification        | WEB WOC Programs     | Minneapolis | Yes    | Varies | Varies   | Certificate | No                              | No                  | <a href="http://www.webwocnurse.com">www.webwocnurse.com</a> |

**INFORMATION TECHNOLOGY — Information Management Analytic Pathway**

| Program  | Training Institution                          | Location            | Online | Credit | Duration                              | Credential  | Has Participated in DTG Program | Competencies Mapped | URL   |
|--|---|---------------------|--------|--------|---------------------------------------|---|---------------------------------|---------------------|---|
| Advanced Network Security  | Inver Hills Community College                 | Inver Grove Heights | No     | Yes    | One year                              | Sub-bachelor's postsecondary award                            | No                              | No                  | <a href="https://www.inverhills.edu/DegreesAndPrograms/PPGs/2021-22/InformationTechnologyCareers.pdf#page=3">https://www.inverhills.edu/DegreesAndPrograms/PPGs/2021-22/InformationTechnologyCareers.pdf#page=3</a>   |
| Advanced Network Technology  | Inver Hills Community College                 | Inver Grove Heights | No     | Yes    | One year                              | Sub-bachelor's postsecondary award                            | No                              | No                  | <a href="https://inverhills.edu/DegreesAndPrograms/ITCareers/index.aspx">https://inverhills.edu/DegreesAndPrograms/ITCareers/index.aspx</a>   |
| Certified Business Analysis Professional (CBAP) and Certification of Competency in Business Analysis | New Horizons Computer Learning Center - Eagan | Eagan, Minneapolis  | Yes    | No     | 15 weeks or less                      | Industry-recognized or professional association certification | No                              | No                  | <a href="https://www.newhorizonsmn.com/training-and-certifications/center-for-leadership-and-development/business-analysis">https://www.newhorizonsmn.com/training-and-certifications/center-for-leadership-and-development/business-analysis</a>   |
| Cloud Computing  | Century College                               | White Bear Lake     | No     | Yes    | One year                              | Sub-bachelor's postsecondary award                            | No                              | No                  | <a href="http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=1944&amp;returnto=443">http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=1944&amp;returnto=443</a>   |
| Cloud Computing & Virtualization Security, Cloud Computing Track                                     | Century College                               | White Bear Lake     | No     | Yes    | At least two but less than four years | Associate's Degree such as AA, AS, and others                 | No                              | No                  | <a href="http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=1942">http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=1942</a>   |
| Cloud Computing & Virtualization Security, Cloud Security and System Virtualization Track            | Century College                               | White Bear Lake     | No     | Yes    | At least two but less than four years | Associate's Degree such as AA, AS, and others                 | No                              | No                  | <a href="http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=1943">http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=1943</a>   |
| Cloud Security Virtualization Forensics  | Century College                               | White Bear Lake     | No     | Yes    | One year                              | Sub-bachelor's postsecondary award                            | No                              | No                  | <a href="http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=1945&amp;returnto=443">http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=1945&amp;returnto=443</a>   |
| Computer Forensics   | Minneapolis Community and Technical College   | Minneapolis         | No     | Yes    | At least four or more years           | Associate's Degree such as AA, AS, and others                 | No                              | No                  | <a href="https://www.minneapolis.edu/computer-forensics">https://www.minneapolis.edu/computer-forensics</a>   |
| Computer Forensics   | Metropolitan State                            | St. Paul            | No     | Yes    | One year                              | Post-bachelor's or post-baccalaureate certificate             | No                              | No                  | <a href="https://www.metrostate.edu/academics/programs/computer-forensics-post">https://www.metrostate.edu/academics/programs/computer-forensics-post</a>   |
| Computer Networking  | Anoka-Ramsey Community College                | Cambridge           | No     | Yes    | At least two but less than four years | Associate's Degree such as AA, AS, and others                 | No                              | No                  | <a href="http://www.anokaramsey.edu/academics/degrees-diplomas-certificates/two-year-degrees/associate-of-science-degrees/computer-networking/">http://www.anokaramsey.edu/academics/degrees-diplomas-certificates/two-year-degrees/associate-of-science-degrees/computer-networking/</a>   |
| Computer Networking  | Anoka-Ramsey Community College                | Coon Rapids         | No     | Yes    | At least two but less than four years | Associate's Degree such as AA, AS, and others                 | No                              | No                  | <a href="http://www.anokaramsey.edu/academics/degrees-diplomas-certificates/two-year-degrees/associate-of-science-degrees/computer-networking/">http://www.anokaramsey.edu/academics/degrees-diplomas-certificates/two-year-degrees/associate-of-science-degrees/computer-networking/</a>   |
| Cybersecurity Analysis and Techniques  | Century College                               | White Bear Lake     | No     | Yes    | One year                              | Sub-bachelor's postsecondary award                            | No                              | No                  | <a href="http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=1957&amp;returnto=443">http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=1957&amp;returnto=443</a>   |
| Cybersecurity, Virtualization, and Forensics   | Century College                               | White Bear Lake     | No     | Yes    | At least two but less than four years | Associate's Degree such as AA, AS, and others                 | No                              | No                  | <a href="http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=1958&amp;returnto=443">http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=1958&amp;returnto=443</a>   |
| Digital Forensics Analysis and Techniques  | Century College                               | White Bear Lake     | No     | Yes    | One year                              | Sub-bachelor's postsecondary award                            | No                              | No                  | <a href="http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=1966&amp;returnto=443">http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=1966&amp;returnto=443</a>   |
| Information Assurance  | Metropolitan State                            | St. Paul            | No     | Yes    | Four years                            | bachelor's or baccalaureate degree normally requiring 3-5     | No                              | No                  | <a href="https://www.metrostate.edu/academics/programs/information-assurance-bas">https://www.metrostate.edu/academics/programs/information-assurance-bas</a>   |
| Information Assurance  | St. Cloud State University                    | St. Cloud           | No     | Yes    | At least four or more years           | Master's degree such as MA, MS, and others                    | No                              | No                  | <a href="https://www.stcloudstate.edu/graduate/information-assurance/default.aspx">https://www.stcloudstate.edu/graduate/information-assurance/default.aspx</a>   |
| Information Assurance (IA) and Information Technology  | Metropolitan State                            | St. Paul            | No     | Yes    | One year                              | Post-bachelor's or post-baccalaureate certificate             | No                              | No                  | <a href="https://www.metrostate.edu/academics/programs/information-assurance-and">https://www.metrostate.edu/academics/programs/information-assurance-and</a>   |
| Information Assurance Professional   | Minneapolis Community and Technical College   | Minneapolis         | No     | Yes    | One year                              | Sub-bachelor's postsecondary award                            | No                              | No                  | <a href="https://mctc.decisionacademic.com/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=1660&amp;topicid=2325&amp;loadusercredits=True&amp;ga=2.15900081.605519">https://mctc.decisionacademic.com/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=1660&amp;topicid=2325&amp;loadusercredits=True&amp;ga=2.15900081.605519</a> |
| Information Security and Risk Management   | Minnesota State University, Mankato           | On-line             | Yes    | Yes    | At least four or more years           | Master's degree such as MA, MS, and others                    | No                              | No                  | <a href="http://www.mnsu.edu/psm/isrm/">http://www.mnsu.edu/psm/isrm/</a>   |

**INFORMATION TECHNOLOGY — Information Management Analytic Pathway**

| Program  | Training Institution                | Location            | Online | Credit | Duration                              | Credential  | Has Participated in DTG Program | Competencies Mapped | URL   |
|--|-------------------------------------|---------------------|--------|--------|---------------------------------------|---|---------------------------------|---------------------|---|
| Information Systems                                | St. Cloud State University          | St. Cloud           | No     | Yes    | Four years                            | Bachelor's or baccalaureate degree normally requiring 3-5 | No                              | No                  | <a href="https://www.stcloudstate.edu/programs/information-systems/default.aspx">https://www.stcloudstate.edu/programs/information-systems/default.aspx</a>   |
| Information Technology                             | Minnesota State University, Mankato | On-line             | Yes    | Yes    | One year                              | Sub-bachelor's postsecondary award                        | No                              | No                  | <a href="https://mankato.mnsu.edu/academics/academic-catalog/graduate/information-technology#Degrees">https://mankato.mnsu.edu/academics/academic-catalog/graduate/information-technology#Degrees</a>   |
| Intrusion Detection and Incident Handling          | Century College                     | White Bear Lake     | No     | Yes    | One year                              | Sub-bachelor's postsecondary award                        | No                              | No                  | <a href="http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=2028&amp;returnto=443">http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=2028&amp;returnto=443</a>   |
| IT Security and Audit Control                      | Century College                     | White Bear Lake     | No     | Yes    | One year                              | Sub-bachelor's postsecondary award                        | No                              | No                  | <a href="http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=2030&amp;returnto=443">http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=2030&amp;returnto=443</a>   |
| Network support and administration                 | Anoka-Ramsey Community College      | Cambridge           | No     | Yes    | At least two but less than four years | Associate's Degree such as AA, AS, and others             | No                              | No                  | <a href="https://www.anokaramsey.edu/academics/degrees-diplomas-certificates/diplomas-certificates/network-support-and-administration/">https://www.anokaramsey.edu/academics/degrees-diplomas-certificates/diplomas-certificates/network-support-and-administration/</a>                                     |
| Network Technology and Security                    | Inver Hills Community College       | Inver Grove Heights | No     | Yes    | At least two but less than four years | Associate's Degree such as AA, AS, and others             | No                              | No                  | <a href="https://www.inverhills.edu/DegreesAndPrograms/PPGs/2021-22/InformationTechnologyCareers.pdf#page=2">https://www.inverhills.edu/DegreesAndPrograms/PPGs/2021-22/InformationTechnologyCareers.pdf#page=2</a>   |
| Reverse Engineering Malware Analysis and Technique | Century College                     | White Bear Lake     | No     | Yes    | One year                              | Sub-bachelor's postsecondary award                        | No                              | No                  | <a href="http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=2078&amp;returnto=443">http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=2078&amp;returnto=443</a>   |
| System Administration                              | Anoka-Ramsey Community College      | Cambridge           | No     | Yes    | At least two but less than four years | Associate's Degree such as AA, AS, and others             | No                              | No                  | <a href="http://www.anokaramsey.edu/academics/degrees-diplomas-certificates/two-year-degrees/associate-of-applied-science-degrees/system-administration/">http://www.anokaramsey.edu/academics/degrees-diplomas-certificates/two-year-degrees/associate-of-applied-science-degrees/system-administration/</a> |
| System Administration                              | Anoka-Ramsey Community College      | Coon Rapids         | No     | Yes    | At least two but less than four years | Associate's Degree such as AA, AS, and others             | No                              | No                  | <a href="http://www.anokaramsey.edu/academics/degrees-diplomas-certificates/two-year-degrees/associate-of-applied-science-degrees/system-administration/">http://www.anokaramsey.edu/academics/degrees-diplomas-certificates/two-year-degrees/associate-of-applied-science-degrees/system-administration/</a> |



**INFORMATION TECHNOLOGY — Information Security Pathway**

| Program   | Training Institution                        | Location            | Online | Credit | Duration                              | Credential  | Has Participated in DTG Program | Competencies Mapped | URL   |
|---|---|---------------------|--------|--------|---------------------------------------|---|---------------------------------|---------------------|---|
| Advanced Network Security   | Inver Hills Community College               | Inver Grove Heights | No     | Yes    | One year                              | Sub-bachelor's postsecondary award                        | No                              | No                  | <a href="https://inverhills.edu/DegreesAndPrograms/ITCareers/index.aspx">https://inverhills.edu/DegreesAndPrograms/ITCareers/index.aspx</a>   |
| Advanced Network Technology   | Inver Hills Community College               | Inver Grove Heights | No     | Yes    | One year                              | Sub-bachelor's postsecondary award                        | No                              | No                  | <a href="https://inverhills.edu/DegreesAndPrograms/ITCareers/index.aspx">https://inverhills.edu/DegreesAndPrograms/ITCareers/index.aspx</a>   |
| Cloud Computing   | Century College                             | White Bear Lake     | No     | Yes    | One year                              | Sub-bachelor's postsecondary award                        | No                              | No                  | <a href="http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=1944&amp;returnto=443">http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=1944&amp;returnto=443</a>   |
| Cloud Computing & Virtualization Security, Cloud Computing Track                          | Century College                             | White Bear Lake     | No     | Yes    | At least two but less than four years | Associate's Degree such as AA, AS, and others             | No                              | No                  | <a href="http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=1942">http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=1942</a>   |
| Cloud Computing & Virtualization Security, Cloud Security and System Virtualization Track | Century College                             | White Bear Lake     | No     | Yes    | At least two but less than four years | Associate's Degree such as AA, AS, and others             | No                              | No                  | <a href="http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=1943">http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=1943</a>   |
| Cloud Security Virtualization Forensics   | Century College                             | White Bear Lake     | No     | Yes    | One year                              | Sub-bachelor's postsecondary award                        | No                              | No                  | <a href="http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=1945&amp;returnto=443">http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=1945&amp;returnto=443</a>   |
| Computer Forensics  | Metropolitan State                          | St. Paul            | No     | Yes    | Four years                            | Bachelor's or baccalaureate degree normally requiring 3-5 | No                              | No                  | <a href="https://www.metrostate.edu/academics/programs/computer-forensics-bas">https://www.metrostate.edu/academics/programs/computer-forensics-bas</a>   |
| Computer Forensics  | Minneapolis Community and Technical College | Minneapolis         | No     | Yes    | At least four or more years           | Associate's Degree such as AA, AS, and others             | No                              | No                  | <a href="https://www.minneapolis.edu/computer-forensics">https://www.minneapolis.edu/computer-forensics</a>   |
| Computer Forensics  | Metropolitan State                          | St. Paul            | No     | Yes    | One year                              | Post-bachelor's or post-baccalaureate certificate         | No                              | No                  | <a href="https://www.metrostate.edu/academics/programs/computer-forensics-post">https://www.metrostate.edu/academics/programs/computer-forensics-post</a>   |
| Computer Network Security   | Anoka-Ramsey Community College              | Cambridge           | No     | Yes    | One year                              | Sub-bachelor's postsecondary award                        | No                              | No                  | <a href="http://www.anokaramsey.edu/academics/degrees-diplomas-certificates/diplomas-certificates/computer-network-security/">http://www.anokaramsey.edu/academics/degrees-diplomas-certificates/diplomas-certificates/computer-network-security/</a>   |
| Computer Network Security   | Anoka-Ramsey Community College              | Coon Rapids         | No     | Yes    | One year                              | Sub-bachelor's postsecondary award                        | No                              | No                  | <a href="http://www.anokaramsey.edu/academics/degrees-diplomas-certificates/diplomas-certificates/computer-network-security/">http://www.anokaramsey.edu/academics/degrees-diplomas-certificates/diplomas-certificates/computer-network-security/</a>   |
| Computer Networking   | Anoka-Ramsey Community College              | Cambridge           | No     | Yes    | At least two but less than four years | Associate's Degree such as AA, AS, and others             | No                              | No                  | <a href="http://www.anokaramsey.edu/academics/degrees-diplomas-certificates/two-year-degrees/associate-of-science-degrees/computer-networking/">http://www.anokaramsey.edu/academics/degrees-diplomas-certificates/two-year-degrees/associate-of-science-degrees/computer-networking/</a>               |
| Computer Networking   | Anoka-Ramsey Community College              | Coon Rapids         | No     | Yes    | At least two but less than four years | Associate's Degree such as AA, AS, and others             | No                              | No                  | <a href="http://www.anokaramsey.edu/academics/degrees-diplomas-certificates/two-year-degrees/associate-of-science-degrees/computer-networking/">http://www.anokaramsey.edu/academics/degrees-diplomas-certificates/two-year-degrees/associate-of-science-degrees/computer-networking/</a>               |
| Computer Security Specialist  | Minneapolis Community and Technical College | Minneapolis         | No     | Yes    | One year                              | Sub-bachelor's postsecondary award                        | No                              | No                  | <a href="https://mctc.decisionacademic.com/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=2129&amp;topicid=2799&amp;loaduserredits=True">https://mctc.decisionacademic.com/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=2129&amp;topicid=2799&amp;loaduserredits=True</a> |
| Cyber Security  | Minnesota Community and Technical College   | Moorhead            | No     | Yes    | At least two but less than four years | Associate's Degree such as AA, AS, and others             | No                              | No                  | <a href="https://www.minnesota.edu/degrees/416">https://www.minnesota.edu/degrees/416</a>   |
| Cyber Security  | Minnesota Community and Technical College   | Moorhead            | Yes    | Yes    | One year                              | Sub-bachelor's postsecondary award                        | No                              | No                  | <a href="https://www.minnesota.edu/degrees/492">https://www.minnesota.edu/degrees/492</a>   |
| Cyber Security  | Pine Technical and Community College        | Pine City           | No     | Yes    | At least two but less than four years | Associate's Degree such as AA, AS, and others             | No                              | No                  | <a href="http://pine.edu/programs/computer-/-it/cyber-security/">http://pine.edu/programs/computer-/-it/cyber-security/</a>   |
| Cyber Security  | Pine Technical and Community College        | Pine City           | No     | Yes    | One year                              | Sub-bachelor's postsecondary award                        | No                              | No                  | <a href="http://pine.edu/programs/computer-/-it/cyber-security/cyber-security-program-requirements-and-courses">http://pine.edu/programs/computer-/-it/cyber-security/cyber-security-program-requirements-and-courses</a>   |
| Cyber Security  | Riverland Community College                 | Austin              | No     | Yes    | At least two but less than four years | Associate's Degree such as AA, AS, and others             | No                              | No                  | <a href="https://www.riverland.edu/academics/programs/cyber-security-aas/description/">https://www.riverland.edu/academics/programs/cyber-security-aas/description/</a>   |

INFORMATION TECHNOLOGY — Information Security Pathway

| Program   | Training Institution                           | Location        | Online | Credit | Duration                              | Credential  | Has Participated in DTG Program | Competencies Mapped | URL   |
|---|--|-----------------|--------|--------|---------------------------------------|---|---------------------------------|---------------------|---|
| Cyber Security  | St. Paul College                               | St. Paul        | No     | Yes    | One year                              | Sub-bachelor's postsecondary award                        | No                              | No                  | <a href="https://www.saintpaul.edu/programs/Pages/cybersecurity.aspx">https://www.saintpaul.edu/programs/Pages/cybersecurity.aspx</a>   |
| Cyber Security  | St. Paul College                               | St. Paul        | No     | Yes    | At least two but less than four years | Associate's Degree such as AA, AS, and others             | No                              | No                  | <a href="https://www.saintpaul.edu/programs/Pages/cybersecurity.aspx">https://www.saintpaul.edu/programs/Pages/cybersecurity.aspx</a>   |
| Cybersecurity   | Anoka-Ramsey Community College                 | Cambridge       | No     | Yes    | At least two but less than four years | Associate's Degree such as AA, AS, and others             | No                              | No                  | <a href="http://www.anokaramsey.edu/academics/degrees-diplomas-certificates/two-year-degrees/associate-of-science-degrees/cybersecurity/">http://www.anokaramsey.edu/academics/degrees-diplomas-certificates/two-year-degrees/associate-of-science-degrees/cybersecurity/</a>   |
| Cybersecurity   | Anoka-Ramsey Community College                 | Coon Rapids     | No     | Yes    | At least two but less than four years | Associate's Degree such as AA, AS, and others             | No                              | No                  | <a href="http://www.anokaramsey.edu/academics/degrees-diplomas-certificates/two-year-degrees/associate-of-science-degrees/cybersecurity/">http://www.anokaramsey.edu/academics/degrees-diplomas-certificates/two-year-degrees/associate-of-science-degrees/cybersecurity/</a>   |
| Cybersecurity   | Metropolitan State                             | St. Paul        | No     | Yes    | One year                              | Post-bachelor's or post-baccalaureate certificate         | No                              | No                  | <a href="https://www.metrostate.edu/academics/programs/cybersecurity-post">https://www.metrostate.edu/academics/programs/cybersecurity-post</a>   |
| Cybersecurity   | St. Cloud State University                     | St. Cloud       | No     | Yes    | Four years                            | Bachelor's or baccalaureate degree normally requiring 3-5 | No                              | No                  | <a href="https://www.stcloudstate.edu/programs/cybersecurity/default.aspx">https://www.stcloudstate.edu/programs/cybersecurity/default.aspx</a>   |
| Cybersecurity Analysis and Techniques                 | Century College                                | White Bear Lake | No     | Yes    | One year                              | Sub-bachelor's postsecondary award                        | No                              | No                  | <a href="http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=1957&amp;returnto=443">http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=1957&amp;returnto=443</a>   |
| Cybersecurity, Virtualization, and Forensics          | Century College                                | White Bear Lake | No     | Yes    | At least two but less than four years | Associate's Degree such as AA, AS, and others             | No                              | No                  | <a href="http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=1941&amp;returnto=443">http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=1941&amp;returnto=443</a>   |
| Cybersecurity, Virtualization, and Networking         | Alexandria Technical and Community College     | Alexandria      | No     | Yes    | At least two but less than four years | Associate's Degree such as AA, AS, and others             | No                              | No                  | <a href="https://www.alextech.edu/programs/cybersecurity-virtualization-networking">https://www.alextech.edu/programs/cybersecurity-virtualization-networking</a>   |
| Digital Forensics Analysis and Techniques             | Century College                                | White Bear Lake | No     | Yes    | One year                              | Sub-bachelor's postsecondary award                        | No                              | No                  | <a href="http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=1966&amp;returnto=443">http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=1966&amp;returnto=443</a>   |
| Fundamentals of Network Security                      | Riverland Community College                    | On-line         | Yes    | Yes    | One year                              | Sub-bachelor's postsecondary award                        | No                              | No                  | <a href="https://www.riverland.edu/academics/programs/fundamentals-of-network-security-cert/description/">https://www.riverland.edu/academics/programs/fundamentals-of-network-security-cert/description/</a>   |
| Fundamentals of Network Security                      | Riverland Community College                    | Austin          | No     | Yes    | One year                              | Sub-bachelor's postsecondary award                        | No                              | No                  | <a href="https://www.riverland.edu/academics/programs/fundamentals-of-network-security-cert/description/">https://www.riverland.edu/academics/programs/fundamentals-of-network-security-cert/description/</a>   |
| Information Assurance                                 | Metropolitan State                             | St. Paul        | No     | Yes    | Four years                            | Bachelor's or baccalaureate degree normally requiring 3-5 | No                              | No                  | <a href="https://www.metrostate.edu/academics/programs/information-assurance-bas">https://www.metrostate.edu/academics/programs/information-assurance-bas</a>   |
| Information Assurance                                 | St. Cloud State University                     | St. Cloud       | No     | Yes    | At least four or more years           | Master's degree such as MA, MS, and others                | No                              | No                  | <a href="https://www.stcloudstate.edu/graduate/information-assurance/default.aspx">https://www.stcloudstate.edu/graduate/information-assurance/default.aspx</a>   |
| Information Assurance (IA) and Information Technology | Metropolitan State                             | St. Paul        | No     | Yes    | One year                              | Post-bachelor's or post-baccalaureate certificate         | No                              | No                  | <a href="https://www.metrostate.edu/academics/programs/information-assurance-and">https://www.metrostate.edu/academics/programs/information-assurance-and</a>   |
| Information Assurance Professional                    | Minneapolis Community and Technical College    | Minneapolis     | No     | Yes    | One year                              | Sub-bachelor's postsecondary award                        | No                              | No                  | <a href="https://mctc.decisionacademic.com/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=2515&amp;entitytype=CDD&amp;entityid=2225&amp;loadusercredits=True">https://mctc.decisionacademic.com/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=2515&amp;entitytype=CDD&amp;entityid=2225&amp;loadusercredits=True</a> |
| Information Security Administration                   | Minnesota West Community and Technical College | Granite Falls   | No     | Yes    | One year                              | Sub-bachelor's postsecondary award                        | No                              | No                  | <a href="http://www.mnwest.edu/programs-courses/list/computer-information-security-management-certificate">http://www.mnwest.edu/programs-courses/list/computer-information-security-management-certificate</a>   |
| Information Security Administration                   | Minnesota West Community and Technical College | Jackson         | No     | Yes    | One year                              | Sub-bachelor's postsecondary award                        | No                              | No                  | <a href="http://www.mnwest.edu/programs-courses/list/computer-information-security-management-certificate">http://www.mnwest.edu/programs-courses/list/computer-information-security-management-certificate</a>   |
| Information Security and Assurance                    | Minnesota West Community and Technical College | On-line         | Yes    | Yes    | At least two but less than four years | Associate's Degree such as AA, AS, and others             | No                              | No                  | <a href="http://www.mnwest.edu/programs-courses/list/computer-information-security-and-assurance-aas">http://www.mnwest.edu/programs-courses/list/computer-information-security-and-assurance-aas</a>   |

**INFORMATION TECHNOLOGY — Information Security Pathway**

| Program  | Training Institution                           | Location            | Online | Credit | Duration                              | Credential  | Has Participated in DTG Program | Competencies Mapped | URL   |
|--|--|---------------------|--------|--------|---------------------------------------|---|---------------------------------|---------------------|---|
| Information Security and Risk Management           | Minnesota State University, Mankato            | On-line             | Yes    | Yes    | At least four or more years           | Master's degree such as MA, MS, and others                | No                              | No                  | <a href="https://mankato.mnsu.edu/academics/academic-catalog/graduate/information-technology/information-security-risk-management-psm/">https://mankato.mnsu.edu/academics/academic-catalog/graduate/information-technology/information-security-risk-management-psm/</a>                                       |
| Information Security Management                    | Minnesota West Community and Technical College | Granite Falls       | No     | Yes    | One year                              | Sub-bachelor's postsecondary award                        | No                              | No                  | <a href="http://www.mnwest.edu/programs-courses/list/computer-information-security-management-certificate">http://www.mnwest.edu/programs-courses/list/computer-information-security-management-certificate</a>   |
| Information Security Management                    | Minnesota West Community and Technical College | Jackson             | No     | Yes    | One year                              | Sub-bachelor's postsecondary award                        | No                              | No                  | <a href="http://www.mnwest.edu/programs-courses/list/computer-information-security-management-certificate">http://www.mnwest.edu/programs-courses/list/computer-information-security-management-certificate</a>   |
| Information Systems                                | St. Cloud State University                     | St. Cloud           | No     | Yes    | Four years                            | bachelor's or baccalaureate degree normally requiring 3-5 | No                              | No                  | <a href="https://www.stcloudstate.edu/programs/information-systems/default.aspx">https://www.stcloudstate.edu/programs/information-systems/default.aspx</a>   |
| Information Technology                             | Minnesota Community and Technical College      | Moorhead            | Yes    | Yes    | Two years                             | Associate's Degree such as AA, AS, and others             | No                              | No                  | <a href="https://www.minnesota.edu/programs-and-degrees/information-technology">https://www.minnesota.edu/programs-and-degrees/information-technology</a>   |
| Information Technology-Database Admin              | Minnesota Community and Technical College      | Moorhead            | Yes    | Yes    | Two years                             | Associate's Degree such as AA, AS, and others             | No                              | No                  | <a href="https://www.minnesota.edu/programs-and-degrees/information-technology-database-administration">https://www.minnesota.edu/programs-and-degrees/information-technology-database-administration</a>   |
| Intrusion Detection and Incident Handling          | Century College                                | White Bear Lake     | No     | Yes    | One year                              | Sub-bachelor's postsecondary award                        | No                              | No                  | <a href="http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=2028&amp;returnto=443">http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=2028&amp;returnto=443</a>   |
| IT Security and Audit Control                      | Century College                                | White Bear Lake     | No     | Yes    | One year                              | Sub-bachelor's postsecondary award                        | No                              | No                  | <a href="http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=2030&amp;returnto=443">http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=2030&amp;returnto=443</a>   |
| Network Administration                             | Anoka-Ramsey Community College                 | Cambridge           | No     | Yes    | At least two but less than four years | Associate's Degree such as AA, AS, and others             | No                              | No                  | <a href="https://www.anokaramsey.edu/academics/degrees-diplomas-certificates/diplomas-certificates/network-support-and-administration/">https://www.anokaramsey.edu/academics/degrees-diplomas-certificates/diplomas-certificates/network-support-and-administration/</a>                                       |
| Network Administration                             | Anoka-Ramsey Community College                 | Coon Rapids         | No     | Yes    | At least two but less than four years | Associate's Degree such as AA, AS, and others             | No                              | No                  | <a href="https://www.anokaramsey.edu/academics/degrees-diplomas-certificates/diplomas-certificates/network-support-and-administration/">https://www.anokaramsey.edu/academics/degrees-diplomas-certificates/diplomas-certificates/network-support-and-administration/</a>                                       |
| Network Technology and Security                    | Inver Hills Community College                  | Inver Grove Heights | No     | Yes    | At least two but less than four years | Associate's Degree such as AA, AS, and others             | No                              | No                  | <a href="https://inverhills.edu/DegreesAndPrograms/ITCareers/index.aspx">https://inverhills.edu/DegreesAndPrograms/ITCareers/index.aspx</a>   |
| Reverse Engineering Malware Analysis and Technique | Century College                                | White Bear Lake     | No     | Yes    | One year                              | Sub-bachelor's postsecondary award                        | No                              | No                  | <a href="http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=2078&amp;returnto=443">http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=2078&amp;returnto=443</a>   |
| System Administration                              | Anoka-Ramsey Community College                 | Cambridge           | No     | Yes    | At least two but less than four years | Associate's Degree such as AA, AS, and others             | No                              | No                  | <a href="https://www.anokaramsey.edu/academics/degrees-diplomas-certificates/two-year-degrees/associate-of-applied-science-degrees/system-administration/">https://www.anokaramsey.edu/academics/degrees-diplomas-certificates/two-year-degrees/associate-of-applied-science-degrees/system-administration/</a> |
| System Administration                              | Anoka-Ramsey Community College                 | Coon Rapids         | No     | Yes    | At least two but less than four years | Associate's Degree such as AA, AS, and others             | No                              | No                  | <a href="http://www.anokaramsey.edu/academics/degrees-diplomas-certificates/two-year-degrees/associate-of-applied-science-degrees/system-administration/">http://www.anokaramsey.edu/academics/degrees-diplomas-certificates/two-year-degrees/associate-of-applied-science-degrees/system-administration/</a>   |

**INFORMATION TECHNOLOGY — Infrastructure Administration Pathway**

| Program  | Training Institution                           | Location            | Online | Credit | Duration                              | Credential  | Has Participated in DTG Program | Competencies Mapped | URL   |
|--|--|---------------------|--------|--------|---------------------------------------|---|---------------------------------|---------------------|---|
| Cisco Certified Entry Networking Technician  | Able Career Institute - IT Career Lab          | Golden Valley       | N/A    | No     | 4 Weeks                               | Industry-recognized or professional association certification | YES                             | YES                 | <a href="https://www.itcareerlab.org/job-seekers/">https://www.itcareerlab.org/job-seekers/</a>   |
| Cisco Certified Network Associate  | Able Career Institute - IT Career Lab          | Golden Valley       | N/A    | No     | 12 Weeks                              | Industry-recognized or professional association certification | YES                             | YES                 | <a href="https://www.itcareerlab.org/job-seekers/">https://www.itcareerlab.org/job-seekers/</a>   |
| Cisco Network Technician   | Hibbing Community College                      | Hibbing             | No     | Yes    | One year                              | Sub-bachelor's postsecondary award                            | No                              | No                  | <a href="http://hibbing.edu/academics/areas-of-study/computer-it/cisco-network-technician">http://hibbing.edu/academics/areas-of-study/computer-it/cisco-network-technician</a>   |
| Cisco Networking   | Hennepin Technical College                     | Brooklyn Park       | No     | Yes    | One year                              | Sub-bachelor's postsecondary award                            | No                              | No                  | <a href="http://hennepintechn.smartcatalogiq.com/2020-2021/Catalog/Degrees-and-Programs/Business-and-Information-Technology/Information-Technology/Cisco-">http://hennepintechn.smartcatalogiq.com/2020-2021/Catalog/Degrees-and-Programs/Business-and-Information-Technology/Information-Technology/Cisco-</a> |
| Cisco Networking   | Hennepin Technical College                     | Brooklyn Park       | No     | Yes    | One year                              | Sub-bachelor's postsecondary award                            | No                              | No                  | <a href="http://hennepintechn.smartcatalogiq.com/2020-2021/Catalog/Degrees-and-Programs/Business-and-Information-Technology/Information-Technology/Cisco-">http://hennepintechn.smartcatalogiq.com/2020-2021/Catalog/Degrees-and-Programs/Business-and-Information-Technology/Information-Technology/Cisco-</a> |
| Cisco Networking   | Minnesota State College                        | Detroit Lakes       | No     | Yes    | One year                              | Sub-bachelor's postsecondary award                            | No                              | No                  | <a href="https://www.minnesota.edu/programs/cisco-networking/">https://www.minnesota.edu/programs/cisco-networking/</a>   |
| Cisco Networking   | Minnesota State College                        | Wadena              | No     | Yes    | One year                              | Sub-bachelor's postsecondary award                            | No                              | No                  | <a href="https://www.minnesota.edu/programs/cisco-networking/">https://www.minnesota.edu/programs/cisco-networking/</a>   |
| CISCO Networking   | Minnesota West Community and Technical College | Jackson             | Yes    | Yes    | One year                              | Sub-bachelor's postsecondary award                            | No                              | No                  | <a href="http://www.mnwest.edu/programs-courses/list/computer-cisco-networking-certificate">http://www.mnwest.edu/programs-courses/list/computer-cisco-networking-certificate</a>   |
| CISCO Networking   | Minnesota West Community and Technical College | Granite Falls       | Yes    | Yes    | One year                              | Sub-bachelor's postsecondary award                            | No                              | No                  | <a href="http://www.mnwest.edu/programs-courses/list/computer-cisco-networking-certificate">http://www.mnwest.edu/programs-courses/list/computer-cisco-networking-certificate</a>   |
| Cisco Networking   | Hennepin Technical College                     | Eden Prairie        | No     | Yes    | One year                              | Sub-bachelor's postsecondary award                            | No                              | No                  | <a href="http://hennepintechn.smartcatalogiq.com/2020-2021/Catalog/Degrees-and-Programs/Business-and-Information-Technology/Information-Technology/Cisco-">http://hennepintechn.smartcatalogiq.com/2020-2021/Catalog/Degrees-and-Programs/Business-and-Information-Technology/Information-Technology/Cisco-</a> |
| Cloud Computing and Virtualizations  | South Central College                          | North Mankato       | No     | Yes    | One Year                              | Certificate   | No                              | Yes                 | <a href="https://southcentral.edu/Award/cert3298.html">https://southcentral.edu/Award/cert3298.html</a>   |
| Computer Support & Network Administration  | Minneapolis Community and Technical College    | Minneapolis         | No     | Yes    | One year                              | Sub-bachelor's postsecondary award                            | No                              | No                  | <a href="https://www.minneapolis.edu/computer-support-network-administration">https://www.minneapolis.edu/computer-support-network-administration</a>   |
| Cyber Security   | Minnesota Community and Technical College      | Moorhead            | No     | Yes    | At least two but less than four years | Associate's Degree such as AA, AS, and others                 | No                              | No                  | <a href="https://www.minnesota.edu/degrees/416">https://www.minnesota.edu/degrees/416</a>   |
| Cyber Security   | Minnesota Community and Technical College      | Moorhead            | Yes    | Yes    | One year                              | Sub-bachelor's postsecondary award                            | No                              | No                  | <a href="https://www.minnesota.edu/degrees/492">https://www.minnesota.edu/degrees/492</a>   |
| Information and Telecommunications Technology - Cloud Computing Network Specialist Track | Century College                                | White Bear Lake     | No     | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others                 | No                              | No                  | <a href="http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=2020">http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=2020</a>   |
| Information and Telecommunications Technology - Networking Specialist Track              | Century College                                | White Bear Lake     | No     | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others                 | No                              | No                  | <a href="http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=2022">http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=2022</a>   |
| Information and Telecommunications Technology- Network Security Specialist Track         | Century College                                | White Bear Lake     | No     | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others                 | No                              | No                  | <a href="http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=2021">http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=2021</a>   |
| Information Technology   | Minnesota Community and Technical College      | Moorhead            | Yes    | Yes    | Two years                             | Associate's Degree such as AA, AS, and others                 | No                              | No                  | <a href="https://www.minnesota.edu/programs-and-degrees/information-technology">https://www.minnesota.edu/programs-and-degrees/information-technology</a>   |
| IP Telephony   | Inver Hills Community College                  | Inver Grove Heights | No     | Yes    | One year                              | Sub-bachelor's postsecondary award                            | No                              | No                  | <a href="https://www.inverhills.edu/DegreesAndPrograms/PPGs/2021-22/InformationTechnologyCareers.pdf#page=3">https://www.inverhills.edu/DegreesAndPrograms/PPGs/2021-22/InformationTechnologyCareers.pdf#page=3</a>   |

**INFORMATION TECHNOLOGY — Infrastructure Administration Pathway**

| Program                             | Training Institution                           | Location        | Online | Credit | Duration                              | Credential                                    | Has Participated in DTG Program | Competencies Mapped | URL   |
|-------------------------------------|--|-----------------|--------|--------|---------------------------------------|---|---------------------------------|---------------------|---|
| Linux Networking                    | Hennepin Technical College                     | Brooklyn Park   | No     | Yes    | One year                              | Sub-bachelor's postsecondary award            | No                              | No                  | <a href="http://hennepintech.smartcatalogiq.com/2020-2021/Catalog/Degrees-and-Programs/Business-and-Information-Technology/Information-Technology/Linux-">http://hennepintech.smartcatalogiq.com/2020-2021/Catalog/Degrees-and-Programs/Business-and-Information-Technology/Information-Technology/Linux-</a> |
| Linux Networking                    | Hennepin Technical College                     | Eden Prairie    | No     | Yes    | One year                              | Sub-bachelor's postsecondary award            | No                              | No                  | <a href="http://hennepintech.smartcatalogiq.com/2020-2021/Catalog/Degrees-and-Programs/Business-and-Information-Technology/Information-Technology/Linux-">http://hennepintech.smartcatalogiq.com/2020-2021/Catalog/Degrees-and-Programs/Business-and-Information-Technology/Information-Technology/Linux-</a> |
| Network Administration and Security | Lake Superior College                          | Duluth          | No     | Yes    | One year                              | Sub-bachelor's postsecondary award            | No                              | No                  | <a href="https://degrees.lsc.edu/network-administrator/">https://degrees.lsc.edu/network-administrator/</a>   |
| Network Support Specialist          | Hennepin Technical College                     | Brooklyn Park   | No     | Yes    | One year                              | Sub-bachelor's postsecondary award            | No                              | No                  | <a href="http://hennepintech.smartcatalogiq.com/2020-2021/Catalog/Degrees-and-Programs/Business-and-Information-Technology/Information-">http://hennepintech.smartcatalogiq.com/2020-2021/Catalog/Degrees-and-Programs/Business-and-Information-Technology/Information-</a>                                   |
| Network Support Specialist          | Hennepin Technical College                     | Eden Prairie    | No     | Yes    | One year                              | Sub-bachelor's postsecondary award            | No                              | No                  | <a href="http://hennepintech.smartcatalogiq.com/2020-2021/Catalog/Degrees-and-Programs/Business-and-Information-Technology/Information-">http://hennepintech.smartcatalogiq.com/2020-2021/Catalog/Degrees-and-Programs/Business-and-Information-Technology/Information-</a>                                   |
| Networking Fundamentals             | Century College                                | White Bear Lake | No     | Yes    | One year                              | Sub-bachelor's postsecondary award            | No                              | No                  | <a href="http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=2051&amp;returnto=443">http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=2051&amp;returnto=443</a>   |
| Networking Services                 | South Central College                          | North Mankato   | No     | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others | No                              | Yes                 | <a href="https://southcentral.edu/Award/aas3277.html">https://southcentral.edu/Award/aas3277.html</a>   |
| Networking Specialist               | Minnesota West Community and Technical College | Worthington     | Yes    | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others | No                              | No                  | <a href="https://www.mnwest.edu/programs-courses/list/computer-specialist-aas">https://www.mnwest.edu/programs-courses/list/computer-specialist-aas</a>   |
| Networking Technologies             | Minnesota State University, Mankato            | Mankato         | No     | Yes    | One year                              | Sub-bachelor's postsecondary award            | No                              | No                  | <a href="https://mankato.mnsu.edu/academics/academic-catalog/undergraduate/computer-information-technology/networking-technologies-cert/">https://mankato.mnsu.edu/academics/academic-catalog/undergraduate/computer-information-technology/networking-technologies-cert/</a>                                 |
| Storage Area Networking             | Century College                                | White Bear Lake | No     | Yes    | One year                              | Sub-bachelor's postsecondary award            | No                              | No                  | <a href="http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=2083&amp;returnto=443">http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=2083&amp;returnto=443</a>   |
| Windows Networking                  | Hennepin Technical College                     | Brooklyn Park   | No     | Yes    | One year                              | Sub-bachelor's postsecondary award            | No                              | No                  | <a href="http://hennepintech.smartcatalogiq.com/2020-2021/Catalog/Degrees-and-Programs/Business-and-Information-Technology/Information-">http://hennepintech.smartcatalogiq.com/2020-2021/Catalog/Degrees-and-Programs/Business-and-Information-Technology/Information-</a>                                   |
| Windows Networking                  | Hennepin Technical College                     | Eden Prairie    | No     | Yes    | One year                              | Sub-bachelor's postsecondary award            | No                              | No                  | <a href="http://hennepintech.smartcatalogiq.com/2020-2021/Catalog/Degrees-and-Programs/Business-and-Information-Technology/Information-">http://hennepintech.smartcatalogiq.com/2020-2021/Catalog/Degrees-and-Programs/Business-and-Information-Technology/Information-</a>                                   |

**INFORMATION TECHNOLOGY — Program Development Engineer Pathway**

| Program                                   | Training Institution                            | Location            | Online       | Credit | Duration                              | Credential  | Has Participated in DTG Program | Competencies Mapped | URL   |
|---|---|---------------------|--------------|--------|---------------------------------------|---|---------------------------------|---------------------|---|
| Computer - Management Information Systems | Saint Paul College                              | Saint Paul          | Yes, partial | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.saintpaul.edu/programs/Pages/management-information-systems.aspx">https://www.saintpaul.edu/programs/Pages/management-information-systems.aspx</a>   |
| Computer and Information Technology       | Minnesota West Community & Technical College    | Worthington         | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.mnwest.edu/programs-courses/list/computer-and-information-technology-aas">https://www.mnwest.edu/programs-courses/list/computer-and-information-technology-aas</a>   |
| Computer Information Systems              | Alexandria Technical and Community College      | Alexandria          | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.alextech.edu/programs/computer-information-systems">https://www.alextech.edu/programs/computer-information-systems</a>   |
| Computer Information Systems              | Bemidji State University                        | Bemidji             | No           | Yes    | Four years                            | Bachelor's or baccalaureate degree normally requiring 3-5 | No                              | No                  | <a href="https://www.bemidjistate.edu/academics/departments/mathematics-computer-science/computer-science/">https://www.bemidjistate.edu/academics/departments/mathematics-computer-science/computer-science/</a>   |
| Computer Information Systems              | Rochester Community and Technical College       | Rochester           | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.rctc.edu/files/programs/COMP_INFO_SCI_AS_PROG_PLAN.pdf">https://www.rctc.edu/files/programs/COMP_INFO_SCI_AS_PROG_PLAN.pdf</a>   |
| Computer Information Systems              | Minnesota State University Moorhead             | Moorhead            | No           | Yes    | Four years                            | Bachelor's or baccalaureate degree normally requiring 3-5 | No                              | Pending             | <a href="https://www.mnstate.edu/academics/majors/computer-information-systems/">https://www.mnstate.edu/academics/majors/computer-information-systems/</a>   |
| Computer Information Technology           | Metropolitan State University                   | St. Paul            | No           | Yes    | Four years                            | Bachelor's or baccalaureate degree normally requiring 3-5 | No                              | Yes                 | <a href="https://www.metrostate.edu/academics/programs/computer-information">https://www.metrostate.edu/academics/programs/computer-information</a>   |
| Computer Information Technology           | Central Lakes College                           | Brainerd            | Yes, partial | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Yes                 | <a href="http://www.clcmn.edu/computer-information-technology-a-a-s-degree-2/">http://www.clcmn.edu/computer-information-technology-a-a-s-degree-2/</a>   |
| Computer Information Technology           | Minnesota State University Moorhead             | Moorhead            | No           | Yes    | Four years                            | Bachelor's or baccalaureate degree normally requiring 3-5 | No                              | Pending             | <a href="https://navigator.mnstate.edu/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;catalogid=36&amp;chapterid=536&amp;topicgroupid=4843&amp;loaduserredits=True">https://navigator.mnstate.edu/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;catalogid=36&amp;chapterid=536&amp;topicgroupid=4843&amp;loaduserredits=True</a> |
| Computer Networking and Applications      | St. Cloud State University                      | St. Cloud           | Yes, partial | Yes    | Four years                            | Bachelor's or baccalaureate degree normally requiring 3-5 | No                              | Pending             | <a href="https://www.stcloudstate.edu/programs/computer-networking-applications/default.aspx">https://www.stcloudstate.edu/programs/computer-networking-applications/default.aspx</a>   |
| Computer Programmer                       | Inver Hills Community College                   | Inver Grove Heights | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.inverhills.edu/DegreesAndPrograms/PPGs/2021-22/ComputerScience.pdf#page=3">https://www.inverhills.edu/DegreesAndPrograms/PPGs/2021-22/ComputerScience.pdf#page=3</a>   |
| Computer Programmer                       | Ridgewater College                              | Hutchinson          | Yes, partial | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://ridgewater.edu/academics/areas-of-study/information-technology/computer-programming-program/">https://ridgewater.edu/academics/areas-of-study/information-technology/computer-programming-program/</a>   |
| Computer Programmer                       | Ridgewater College                              | Willmar             | Yes, partial | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://ridgewater.edu/academics/areas-of-study/information-technology/computer-programming-program/">https://ridgewater.edu/academics/areas-of-study/information-technology/computer-programming-program/</a>   |
| Computer Programmer                       | Ridgewater College                              | Hutchinson          | Yes, partial | Yes    | One to Two Years                      | Sub-bachelor's postsecondary award                        | No                              | Pending             | <a href="https://ridgewater.edu/academics/areas-of-study/information-technology/computer-programming-program/">https://ridgewater.edu/academics/areas-of-study/information-technology/computer-programming-program/</a>   |
| Computer Programmer                       | Ridgewater College                              | Willmar             | Yes, partial | Yes    | One to Two Years                      | Sub-bachelor's postsecondary award                        | No                              | Pending             | <a href="https://ridgewater.edu/academics/areas-of-study/information-technology/computer-programming-program/">https://ridgewater.edu/academics/areas-of-study/information-technology/computer-programming-program/</a>   |
| Computer Programming                      | Saint Paul College                              | Saint Paul          | Yes, partial | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.saintpaul.edu/programs/Pages/computer-programming.aspx">https://www.saintpaul.edu/programs/Pages/computer-programming.aspx</a>   |
| Computer Programming                      | Minnesota State Community and Technical College | Moorhead            | Yes, partial | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.minnesota.edu/programs-and-degrees/computer-programming">https://www.minnesota.edu/programs-and-degrees/computer-programming</a>   |
| Computer Programming                      | St. Cloud Technical and Community College       | St. Cloud           | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Yes                 | <a href="https://www.sctcc.edu/degrees-programs/computer-programming/computer-programmer-aas-71-credits">https://www.sctcc.edu/degrees-programs/computer-programming/computer-programmer-aas-71-credits</a>   |
| Computer Science                          | Century College                                 | White Bear Lake     | Yes, partial | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=2129&amp;returnto=443">http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=2129&amp;returnto=443</a>   |

**INFORMATION TECHNOLOGY — Program Development Engineer Pathway**

| Program                         | Training Institution                         | Location            | Online       | Credit | Duration                              | Credential  | Has Participated in DTG Program | Competencies Mapped | URL   |
|---------------------------------|--|---------------------|--------------|--------|---------------------------------------|---|---------------------------------|---------------------|---|
| Computer Science                | Inver Hills Community College                | Inver Grove Heights | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.inverhills.edu/DegreesAndPrograms/PPGs/2021-22/ComputerScience.pdf">https://www.inverhills.edu/DegreesAndPrograms/PPGs/2021-22/ComputerScience.pdf</a>   |
| Computer Science                | Minnesota West Community & Technical College | Worthington         | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.mnwest.edu/programs-courses/list/computer-science-as">https://www.mnwest.edu/programs-courses/list/computer-science-as</a>   |
| Computer Science                | North Hennepin Community College             | Brooklyn Park       | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.nhcc.edu/academic-programs/degrees-and-certificates/computer-science">https://www.nhcc.edu/academic-programs/degrees-and-certificates/computer-science</a>   |
| Computer Science                | Rochester Community and Technical College    | Rochester           | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.rctc.edu/program/comp/program-plans/">https://www.rctc.edu/program/comp/program-plans/</a>   |
| Computer Science                | St. Cloud State University                   | St. Cloud           | Yes, partial | Yes    | Four years                            | Bachelor's or baccalaureate degree normally requiring 3-5 | No                              | Pending             | <a href="https://www.stcloudstate.edu/programs/computer-science/default.aspx">https://www.stcloudstate.edu/programs/computer-science/default.aspx</a>   |
| Computer Science                | Bemidji State University                     | Bemidji             | No           | Yes    | Four years                            | Bachelor's or baccalaureate degree normally requiring 3-5 | No                              | Yes                 | <a href="https://www.bemidjistate.edu/academics/departments/mathematics-computer-science/computer-science/">https://www.bemidjistate.edu/academics/departments/mathematics-computer-science/computer-science/</a>   |
| Computer Science                | Minnesota State University Moorhead          | Moorhead            | No           | Yes    | Four years                            | Bachelor's or baccalaureate degree normally requiring 3-5 | No                              | Pending             | <a href="https://navigator.mnstate.edu/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;catalogid=36&amp;chapterid=536&amp;topicgroupid=4847&amp;loaduseredits=True">https://navigator.mnstate.edu/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;catalogid=36&amp;chapterid=536&amp;topicgroupid=4847&amp;loaduseredits=True</a>                       |
| Computer Science                | Normandale Community College                 | Bloomington         | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="http://www.normandale.edu/catalog/programs-of-study/minnesota-state-transfer-pathway-degrees/computer-science-transfer-pathway-(as)-60-">http://www.normandale.edu/catalog/programs-of-study/minnesota-state-transfer-pathway-degrees/computer-science-transfer-pathway-(as)-60-</a>   |
| Computer Technology             | Normandale Community College                 | Bloomington         | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="http://www.normandale.edu/catalog/programs-of-study/associate-of-applied-science/computer-technology-(aas)-60-credits">http://www.normandale.edu/catalog/programs-of-study/associate-of-applied-science/computer-technology-(aas)-60-credits</a>   |
| Computer Technology             | Normandale Community College                 | Bloomington         | No           | Yes    | One Semester                          | Certificate   | No                              | Pending             | <a href="http://normandale.smartcatalogiq.com/en/2021-2022/Catalog/Programs-of-Study/Computer-Technology-Certificate">http://normandale.smartcatalogiq.com/en/2021-2022/Catalog/Programs-of-Study/Computer-Technology-Certificate</a>   |
| Computer Technology             | Riverland Community College                  | Albert Lea          | Yes, partial | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.riverland.edu/academics/programs/computer-technology-aas/description/">https://www.riverland.edu/academics/programs/computer-technology-aas/description/</a>   |
| Computer Technology             | Riverland Community College                  | Austin              | Yes, partial | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.riverland.edu/academics/programs/computer-technology-aas/description/">https://www.riverland.edu/academics/programs/computer-technology-aas/description/</a>   |
| Computer Technology             | Riverland Community College                  | Owatonna            | Yes, partial | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.riverland.edu/academics/programs/computer-technology-aas/description/">https://www.riverland.edu/academics/programs/computer-technology-aas/description/</a>   |
| Database Specialist Certificate | Minneapolis Community and Technical College  | Minneapolis         | No           | Yes    | Two Semesters                         | Certificate   | No                              | No                  | <a href="https://mctc.decisionacademic.com/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=2514&amp;topicid=3203&amp;loaduseredits=True&amp;ga=2.232972184.70598">https://mctc.decisionacademic.com/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=2514&amp;topicid=3203&amp;loaduseredits=True&amp;ga=2.232972184.70598</a> |
| Desktop Programming             | Dakota County Technical College              | Rosemount           | No           | Yes    | One Year                              | Certificate   | No                              | No                  | <a href="https://www.dctc.edu/academics/programs-majors/stem/software-development/desktop-programming-certificate/">https://www.dctc.edu/academics/programs-majors/stem/software-development/desktop-programming-certificate/</a>   |
| Information Systems             | South Central College                        | North Mankato       | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://southcentral.edu/Award/aas3275.html">https://southcentral.edu/Award/aas3275.html</a>   |
| Information Systems             | South Central College                        | North Mankato       | No           | Yes    | One to Two Years                      | Sub-bachelor's postsecondary award                        | No                              | Pending             | <a href="https://southcentral.edu/Award/dip3276.html">https://southcentral.edu/Award/dip3276.html</a>   |
| Internet Programming            | Century College                              | White Bear Lake     | Yes, partial | Yes    | One Semester                          | Certificate   | No                              | No                  | <a href="http://catalog.century.edu/preview_program.php?catoid=9&amp;pooid=2027&amp;returnto=443">http://catalog.century.edu/preview_program.php?catoid=9&amp;pooid=2027&amp;returnto=443</a>   |
| Java Certificate                | Minneapolis Community and Technical College  | Minneapolis         | No           | Yes    | Two Semesters                         | Certificate   | No                              | No                  | <a href="https://mctc.decisionacademic.com/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=2514&amp;topicid=3204&amp;loaduseredits=True&amp;ga=2.196951850.70598">https://mctc.decisionacademic.com/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=2514&amp;topicid=3204&amp;loaduseredits=True&amp;ga=2.196951850.70598</a> |

**INFORMATION TECHNOLOGY — Program Development Engineer Pathway**

| Program  | Training Institution                        | Location  | Online       | Credit     | Duration                              | Credential                                    | Has Participated in DTG Program | Competencies Mapped | URL   |
|--|---|---|--------------|------------|---------------------------------------|---|---------------------------------|---------------------|---|
| JAVA Computer Programmer                                 | Ridgewater College                          | Hutchinson  | Yes, partial | Yes        | One Semester                          | Certificate                                   | No                              | Pending             | <a href="https://ridgewater.edu/academics/areas-of-study/information-technology/computer-programming-program/">https://ridgewater.edu/academics/areas-of-study/information-technology/computer-programming-program/</a>   |
| JAVA Computer Programmer                                 | Ridgewater College                          | Willmar   | Yes, partial | Yes        | One Semester                          | Certificate                                   | No                              | Pending             | <a href="https://ridgewater.edu/academics/areas-of-study/information-technology/computer-programming-program/">https://ridgewater.edu/academics/areas-of-study/information-technology/computer-programming-program/</a>   |
| JAVA Programming Certificate                             | Saint Paul College                          | Saint Paul  | Yes, partial | Yes        | One Semester                          | Certificate                                   | No                              | Pending             | <a href="https://www.saintpaul.edu/programs/Pages/java-programming.aspx">https://www.saintpaul.edu/programs/Pages/java-programming.aspx</a>   |
| Microsoft MCSD : Web Applications Certification Training | CED Solutions                               | Bloomington, Duluth, Minneapolis, Rochester, St. Paul | No           | Non credit | 15 days                               | Certificate                                   | Yes                             | Pending             | <a href="https://www.cedsolutions.com/1042/certification/mcsd-web-applications-html5">https://www.cedsolutions.com/1042/certification/mcsd-web-applications-html5</a>   |
| Networking Services                                      | South Central College                       | North Mankato   | No           | Yes        | At least two but less than four years | Associate's degree such as AA, AS, and others | No                              | Pending             | <a href="https://southcentral.edu/Award/aas3277.html">https://southcentral.edu/Award/aas3277.html</a>   |
| Networking Services                                      | South Central College                       | North Mankato   | No           | Yes        | One to Two Years                      | Sub-bachelor's postsecondary award            | No                              | Pending             | <a href="https://southcentral.edu/Award/dip3278.html">https://southcentral.edu/Award/dip3278.html</a>   |
| Open Source Developer Certificate                        | Minneapolis Community and Technical College | Minneapolis   | No           | Yes        | Two Semesters                         | Certificate                                   | No                              | No                  | <a href="https://mctc.decisionacademic.com/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=2514&amp;topicid=3205&amp;loaduseredits=True&amp;_ga=2.232972184.70598">https://mctc.decisionacademic.com/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=2514&amp;topicid=3205&amp;loaduseredits=True&amp;_ga=2.232972184.70598</a> |
| Software Development                                     | Anoka Technical College                     | Anoka   | Yes, partial | Yes        | At least two but less than four years | Associate's degree such as AA, AS, and others | No                              | No                  | <a href="https://www.anokatech.edu/ProgramsCourses/InformationTechMgmt/SoftwareDevelopment.aspx">https://www.anokatech.edu/ProgramsCourses/InformationTechMgmt/SoftwareDevelopment.aspx</a>   |
| Software Development                                     | Anoka Technical College                     | Anoka   | Yes, partial | Yes        | One to two years                      | Sub-bachelor's postsecondary award            | No                              | No                  | <a href="https://www.anokatech.edu/ProgramsCourses/InformationTechMgmt/SoftwareDevelopment.aspx">https://www.anokatech.edu/ProgramsCourses/InformationTechMgmt/SoftwareDevelopment.aspx</a>   |
| Software Development                                     | Dakota County Technical College             | Rosemount   | No           | Yes        | At least two but less than four years | Associate's degree such as AA, AS, and others | No                              | No                  | <a href="https://www.dctc.edu/academics/programs-majors/stem/software-development/">https://www.dctc.edu/academics/programs-majors/stem/software-development/</a>   |
| Software Development                                     | Dakota County Technical College             | Rosemount   | No           | Yes        | One to Two Years                      | Sub-bachelor's postsecondary award            | No                              | No                  | <a href="https://www.dctc.edu/academics/programs-majors/stem/software-development/software-development-diploma/">https://www.dctc.edu/academics/programs-majors/stem/software-development/software-development-diploma/</a>   |
| Software Development                                     | Minneapolis Community and Technical College | Minneapolis   | No           | Yes        | At least two but less than four years | Associate's degree such as AA, AS, and others | No                              | No                  | <a href="https://www.minneapolis.edu/computer-software-development">https://www.minneapolis.edu/computer-software-development</a>   |
| Software Development                                     | Minneapolis Community and Technical College | Minneapolis   | No           | Yes        | One to Two Years                      | Sub-bachelor's postsecondary award            | No                              | No                  | <a href="https://www.minneapolis.edu/computer-software-development">https://www.minneapolis.edu/computer-software-development</a>   |
| Visual BASIC .NET Developer Certificate                  | Minneapolis Community and Technical College | Minneapolis   | No           | Yes        | Two Semesters                         | Certificate                                   | No                              | No                  | <a href="https://mctc.decisionacademic.com/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=2514&amp;topicid=3207&amp;loaduseredits=True&amp;_ga=2.196951850.70598">https://mctc.decisionacademic.com/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=2514&amp;topicid=3207&amp;loaduseredits=True&amp;_ga=2.196951850.70598</a> |
| Visual C# Developer Certificate                          | Minneapolis Community and Technical College | Minneapolis   | No           | Yes        | Two Semesters                         | Certificate                                   | No                              | No                  | <a href="https://mctc.decisionacademic.com/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=2514&amp;topicid=3206&amp;loaduseredits=True&amp;_ga=2.196951850.70598">https://mctc.decisionacademic.com/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=2514&amp;topicid=3206&amp;loaduseredits=True&amp;_ga=2.196951850.70598</a> |
| Web Programmer   | South Central College                       | North Mankato   | No           | Yes        | One Semester                          | Certificate                                   | No                              | Pending             | <a href="https://southcentral.edu/Award/cert3261.html">https://southcentral.edu/Award/cert3261.html</a>   |
| Web Programming  | Dakota County Technical College             | Rosemount   | No           | Yes        | One Year                              | Certificate                                   | No                              | No                  | <a href="https://www.dctc.edu/academics/programs-majors/stem/software-development/web-programming-certificate/">https://www.dctc.edu/academics/programs-majors/stem/software-development/web-programming-certificate/</a>   |
| Web Programming  | Ridgewater College                          | Hutchinson  | Yes, partial | Yes        | At least two but less than four years | Associate's degree such as AA, AS, and others | No                              | Pending             | <a href="https://www.ridgewater.edu/academics/areas-of-study/information-technology/web-developer-program/">https://www.ridgewater.edu/academics/areas-of-study/information-technology/web-developer-program/</a>   |
| Web Programming  | Ridgewater College                          | Hutchinson  | Yes, partial | Yes        | One to Two Years                      | Sub-bachelor's postsecondary award            | No                              | Pending             | <a href="https://www.ridgewater.edu/academics/areas-of-study/information-technology/web-developer-program/">https://www.ridgewater.edu/academics/areas-of-study/information-technology/web-developer-program/</a>   |



**INFORMATION TECHNOLOGY — Program Development Engineer Pathway**

| Program         | Training Institution | Location | Online       | Credit | Duration                              | Credential                                    | Has Participated in DTG Program | Competencies Mapped | URL   |
|-----------------|----------------------|----------|--------------|--------|---------------------------------------|---|---------------------------------|---------------------|---|
| Web Programming | Ridgewater College   | Willmar  | Yes, partial | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others | No                              | Pending             | <a href="https://www.ridgewater.edu/academics/areas-of-study/information-technology/web-developer-program/">https://www.ridgewater.edu/academics/areas-of-study/information-technology/web-developer-program/</a> |
| Web Programming | Ridgewater College   | Willmar  | Yes, partial | Yes    | One to Two Years                      | Sub-bachelor's postsecondary award            | No                              | Pending             | <a href="https://www.ridgewater.edu/academics/areas-of-study/information-technology/web-developer-program/">https://www.ridgewater.edu/academics/areas-of-study/information-technology/web-developer-program/</a> |

INFORMATION TECHNOLOGY —Security Analyst

| Program   | Training Institution                         | Location        | Online       | Credit | Duration                              | Credential                                    | Has Participated in DTG Program | Competencies Mapped | URL   |
|---|--|-----------------|--------------|--------|---------------------------------------|---|---------------------------------|---------------------|---|
| Advanced Network Security Certificate   | Inver Hills Community College                | Burnsville      | No           | Yes    | 1 semester                            | Sub-bachelor's postsecondary award            | No                              | Pending             | <a href="https://www.inverhills.edu/DegreesAndPrograms/PPGs/2021-22/InformationTechnologyCareers.pdf#page=3">https://www.inverhills.edu/DegreesAndPrograms/PPGs/2021-22/InformationTechnologyCareers.pdf#page=3</a>   |
| CISCO Network Technician  | Hibbing Community College                    | Hibbing         | No           | Yes    | 1 year                                | Sub-bachelor's postsecondary award            | No                              | Pending             | <a href="http://hibbing.edu/academics/areas-of-study/computer-it/cisco-network-technician">http://hibbing.edu/academics/areas-of-study/computer-it/cisco-network-technician</a>   |
| Cloud Computing   | Century College                              | White Bear Lake | Yes, Partial | Yes    | One year                              | Sub-bachelor's postsecondary award            | No                              | No                  | <a href="http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=1944&amp;returnto=443">http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=1944&amp;returnto=443</a>   |
| Cloud Computing & Virtualization Security, Cloud Security and System Virtualization Track | Century College                              | White Bear Lake | Yes, Partial | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others | No                              | No                  | <a href="http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=1943">http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=1943</a>   |
| Cloud Computing & Virtualization Security, Cloud Computing Track                          | Century College                              | White Bear Lake | Yes, Partial | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others | No                              | No                  | <a href="http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=1942">http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=1942</a>   |
| Cloud Security Virtualization Forensics   | Century College                              | White Bear Lake | Yes, Partial | Yes    | One year                              | Sub-bachelor's postsecondary award            | No                              | No                  | <a href="http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=1945&amp;returnto=443">http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=1945&amp;returnto=443</a>   |
| Computer - Management Information Systems (CSCI)  | Saint Paul College                           | St. Paul        | Online       | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others | No                              | Pending             | <a href="https://www.saintpaul.edu/programs/management-information-systems">https://www.saintpaul.edu/programs/management-information-systems</a>   |
| Computer Forensics  | Metropolitan State University                | St. Paul        | No           | Yes    | Four years                            | Bachelor's Degree                             | No                              | Pending             | <a href="https://www.metrostate.edu/academics/programs/computer-forensics-bas">https://www.metrostate.edu/academics/programs/computer-forensics-bas</a>   |
| Computer Forensics  | Minneapolis Community and Technical College  | Minneapolis     | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others | No                              | Yes                 | <a href="https://www.minneapolis.edu/computer-forensics">https://www.minneapolis.edu/computer-forensics</a>   |
| Computer Information Security Management  | Minnesota West Community & Technical College | Granite Falls   | Online       | Yes    | 1 semester                            | Sub-bachelor's postsecondary award            | No                              | Pending             | <a href="http://www.mnwest.edu/programs-courses/list/computer-information-security-management-certificate">http://www.mnwest.edu/programs-courses/list/computer-information-security-management-certificate</a>   |
| Computer Information Security Management  | Minnesota West Community & Technical College | Jackson         | Online       | Yes    | 1 semester                            | Sub-bachelor's postsecondary award            | No                              | No                  | <a href="http://www.mnwest.edu/programs-courses/list/computer-information-security-management-certificate">http://www.mnwest.edu/programs-courses/list/computer-information-security-management-certificate</a>   |
| Computer Information Systems (CSIS)   | Minnesota State University Moorhead          | Moorhead        | No           | Yes    | Four years                            | Bachelor's Degree                             | No                              | Pending             | <a href="https://navigator.mnstate.edu/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;catalogid=36&amp;chapterid=536&amp;topicgroupid=4845&amp;loaduseredits=True">https://navigator.mnstate.edu/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;catalogid=36&amp;chapterid=536&amp;topicgroupid=4845&amp;loaduseredits=True</a> |
| Computer Information Technology   | Central Lakes College                        | Brainerd        | Online       | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others | No                              | Yes                 | <a href="http://www.clcmn.edu/computer-information-technology-a-a-s-degree-2/#1506450587773-16882aa0-3d01a5c3-e10f31d5-30e7168c-ba6ebb2e-911c">http://www.clcmn.edu/computer-information-technology-a-a-s-degree-2/#1506450587773-16882aa0-3d01a5c3-e10f31d5-30e7168c-ba6ebb2e-911c</a>   |
| Computer Information Technology   | Central Lakes College                        | Brainerd        | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others | No                              | No                  | <a href="http://www.clcmn.edu/computer-information-technology-a-a-s-degree-2/#1506450587773-16882aa0-3d01a5c3-e10f31d5-30e7168c-ba6ebb2e-911c">http://www.clcmn.edu/computer-information-technology-a-a-s-degree-2/#1506450587773-16882aa0-3d01a5c3-e10f31d5-30e7168c-ba6ebb2e-911c</a>   |
| Computer Information Technology (CSIS)  | Minnesota State University Moorhead          | Moorhead        | No           | Yes    | Four years                            | Bachelor's Degree                             | No                              | Pending             | <a href="https://navigator.mnstate.edu/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;catalogid=36&amp;chapterid=536&amp;topicgroupid=4845&amp;loaduseredits=True">https://navigator.mnstate.edu/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;catalogid=36&amp;chapterid=536&amp;topicgroupid=4845&amp;loaduseredits=True</a> |
| Computer Information Technology (cybersecurity minor)                                     | Metropolitan State University                | St. Paul        | No           | Yes    | Four years                            | Bachelor's Degree                             | No                              | No                  | <a href="https://www.metrostate.edu/academics/programs/computer-information">https://www.metrostate.edu/academics/programs/computer-information</a>   |
| Computer Information Technology (with minor is computer forensics)                        | Metropolitan State University                | St. Paul        | No           | Yes    | Four years                            | Bachelor's Degree                             | No                              | Pending             | <a href="https://www.metrostate.edu/academics/programs/computer-information">https://www.metrostate.edu/academics/programs/computer-information</a>   |
| Computer Network Engineering (CSCI)   | Saint Paul College                           | St. Paul        | Online       | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others | No                              | Pending             | <a href="https://www.saintpaul.edu/programs/computer-networking-careers">https://www.saintpaul.edu/programs/computer-networking-careers</a>   |
| Computer Programming (CSCI)   | Saint Paul College                           | St. Paul        | Online       | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others | No                              | Pending             | <a href="https://www.saintpaul.edu/programs/computer-programming">https://www.saintpaul.edu/programs/computer-programming</a>   |

INFORMATION TECHNOLOGY —Security Analyst

| Program  | Training Institution                         | Location        | Online       | Credit | Duration                              | Credential  | Has Participated in DTG Program | Competencies Mapped | URL   |
|--|--|-----------------|--------------|--------|---------------------------------------|---|---------------------------------|---------------------|---|
| Computer Science   | University of St. Thomas                     | St. Paul        | No           | Yes    | Four years                            | Bachelor's Degree   | No                              | No                  | <a href="https://www.stthomas.edu/catalog/current/cisc/">https://www.stthomas.edu/catalog/current/cisc/</a>   |
| Computer Science   | St. Cloud State University                   | St. Cloud       | No           | Yes    | Four years                            | Bachelor's Degree   | No                              | Pending             | <a href="https://catalog.stcloudstate.edu/~Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;catalogid=7&amp;topicgroupid=1964">https://catalog.stcloudstate.edu/~Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;catalogid=7&amp;topicgroupid=1964</a>   |
| Computer Science (CSCI)  | Saint Paul College                           | St. Paul        | Online       | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.saintpaul.edu/programs/computer-science">https://www.saintpaul.edu/programs/computer-science</a>   |
| Computer Science (CSIS)  | Minnesota State University Moorhead          | Moorhead        | No           | Yes    | Four years                            | Bachelor's Degree   | No                              | Pending             | <a href="https://navigator.mnstate.edu/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;catalogid=36&amp;chapterid=536&amp;topicgroupid=4847&amp;loaduseredits=True">https://navigator.mnstate.edu/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;catalogid=36&amp;chapterid=536&amp;topicgroupid=4847&amp;loaduseredits=True</a> |
| Computer Technology (CPRO)   | Riverland Community College                  | Albert Lea      | Online       | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.riverland.edu/academics/programs/computer-technology-aas/description/">https://www.riverland.edu/academics/programs/computer-technology-aas/description/</a>   |
| Computer Technology (CPRO)   | Riverland Community College                  | Austin          | Online       | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.riverland.edu/academics/programs/computer-technology-aas/description/">https://www.riverland.edu/academics/programs/computer-technology-aas/description/</a>   |
| Computer Technology (CPRO)   | Riverland Community College                  | Owatonna        | Online       | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.riverland.edu/academics/programs/computer-technology-aas/description/">https://www.riverland.edu/academics/programs/computer-technology-aas/description/</a>   |
| Cyber and Information Security   | MSC Southeast                                | Red Wing/Winona | Online       | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="http://www.southeastmn.edu/academic_programs/_program/Default.aspx?pid=80">http://www.southeastmn.edu/academic_programs/_program/Default.aspx?pid=80</a>   |
| Cybersecurity  | Herzing University                           | Minneapolis     | Online       | Yes    | Four years                            | Bachelor's Degree   | No                              | No                  | <a href="https://www.herzing.edu/technology/cybersecurity-degree">https://www.herzing.edu/technology/cybersecurity-degree</a>   |
| Cybersecurity  | St. Cloud State University                   | St. Cloud       | No           | Yes    | Four years                            | Bachelor's Degree   | No                              | No                  | <a href="https://catalog.stcloudstate.edu/~Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;catalogid=7&amp;topicgroupid=1964">https://catalog.stcloudstate.edu/~Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;catalogid=7&amp;topicgroupid=1964</a>   |
| Cybersecurity (CSCI)   | Saint Paul College                           | St. Paul        | Online       | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.saintpaul.edu/programs/cybersecurity">https://www.saintpaul.edu/programs/cybersecurity</a>   |
| Cybersecurity Analysis and Techniques  | Century College                              | White Bear Lake | Yes, Partial | Yes    | One year                              | Sub-bachelor's postsecondary award                        | No                              | No                  | <a href="http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=1957&amp;returnto=443">http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=1957&amp;returnto=443</a>   |
| Cybersecurity, Virtualization, & Networking  | Alexandria Technical and Community College   | Alexandria      | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Yes                 | <a href="https://www.alextech.edu/programs/cybersecurity-virtualization-networking/curriculum">https://www.alextech.edu/programs/cybersecurity-virtualization-networking/curriculum</a>   |
| Cybersecurity, Virtualization, and Forensics, Cybersecurity and Network Forensics Track                        | Century College                              | White Bear Lake | Yes, Partial | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=1959">http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=1959</a>   |
| Cybersecurity, Virtualization, and Forensics, Digital Forensics and Reverse Engineering Malware Analysis Track | Century College                              | White Bear Lake | Yes, Partial | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=1960">http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=1960</a>   |
| Digital Forensics Analysis and Techniques Certificate  | Century College                              | White Bear Lake | Yes, Partial | Yes    | One year                              | Sub-bachelor's postsecondary award                        | No                              | No                  | <a href="http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=1966&amp;returnto=443">http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=1966&amp;returnto=443</a>   |
| Information Assurance  | St. Cloud State University                   | St. Cloud       | No           | Yes    | 1 year                                | Masters   | No                              | Pending             | <a href="https://catalog.stcloudstate.edu/~Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;catalogid=7&amp;topicgroupid=2021">https://catalog.stcloudstate.edu/~Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;catalogid=7&amp;topicgroupid=2021</a>   |
| Information Assurance and Security Specialization  | Capella University                           | Minneapolis     | Online       | Yes    | Four years                            | Bachelor's or baccalaureate degree normally requiring 3-5 | No                              | No                  | <a href="https://www.capella.edu/online-degrees/bachelors-information-assurance-cybersecurity/">https://www.capella.edu/online-degrees/bachelors-information-assurance-cybersecurity/</a>   |
| Information Security and Assurance (CST)   | Minnesota West Community & Technical College | Worthington     | Online       | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Yes                 | <a href="https://www.mnwest.edu/programs-courses/list/computer-information-security-and-assurance-aas">https://www.mnwest.edu/programs-courses/list/computer-information-security-and-assurance-aas</a>   |

**INFORMATION TECHNOLOGY —Security Analyst**

| Program   | Training Institution          | Location        | Online       | Credit | Duration                              | Credential                                    | Has Participated in DTG Program | Competencies Mapped | URL   |
|---|-------------------------------|-----------------|--------------|--------|---------------------------------------|---|---------------------------------|---------------------|---|
| Information Technology Management                   | Anoka Technical College       | Anoka           | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others | No                              | Yes                 | <a href="http://www.anokatech.edu/ProgramsCourses/informationTechMgmt.aspx">http://www.anokatech.edu/ProgramsCourses/informationTechMgmt.aspx</a>   |
| Intrusion Detection & Incident Handling Certificate | Century College               | White Bear Lake | Yes, Partial | Yes    | One year                              | Sub-bachelor's postsecondary award            | No                              | No                  | <a href="http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=2028&amp;returnto=443">http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=2028&amp;returnto=443</a>   |
| IT Networking and Security                          | Hibbing Community College     | Hibbing         | No           | Yes    | At least two but less than four years | Sub-bachelor's postsecondary award            | No                              | Pending             | <a href="http://hibbing.edu/academics/areas-of-study/computer-/-it/networking-and-security">http://hibbing.edu/academics/areas-of-study/computer-/-it/networking-and-security</a>   |
| IT Security and Audit Control                       | Century College               | White Bear Lake | Yes, Partial | Yes    | One year                              | Sub-bachelor's postsecondary award            | No                              | No                  | <a href="http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=2030&amp;returnto=443">http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=2030&amp;returnto=443</a>   |
| IT/Networking                                       | Herzing University            | Minneapolis     | Online       | Yes    | Four years                            | Bachelor's Degree                             | No                              | No                  | <a href="https://www.herzing.edu/technology/information-technology-degree">https://www.herzing.edu/technology/information-technology-degree</a>   |
| Network Administration                              | Saint Paul College            | St. Paul        | Online       | Yes    | One year                              | Sub-bachelor's postsecondary award            | No                              | Pending             | <a href="https://www.saintpaul.edu/programs/computer-networking-careers">https://www.saintpaul.edu/programs/computer-networking-careers</a>   |
| Network Administration and Technology               | MSC Southeast                 | Winona          | No           | Yes    | One year                              | Sub-bachelor's postsecondary award            | No                              | Pending             | <a href="http://www.southeastmn.edu/academic_programs/_program/Default.aspx?pid=22">http://www.southeastmn.edu/academic_programs/_program/Default.aspx?pid=22</a>   |
| Network Administration and Technology               | MSC Southeast                 | Winona          | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others | No                              | No                  | <a href="http://www.southeastmn.edu/academic_programs/_program/Default.aspx?pid=22">http://www.southeastmn.edu/academic_programs/_program/Default.aspx?pid=22</a>   |
| Network Administrator/Analyst                       | Hennepin Technical College    | Brooklyn Park   | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others | No                              | Yes                 | <a href="http://hennepintech.smartcatalogiq.com/2020-2021/Catalog/Semester-Sequences/Network-Administrator-Analyst-BP-EP-Associate-in-Applied-">http://hennepintech.smartcatalogiq.com/2020-2021/Catalog/Semester-Sequences/Network-Administrator-Analyst-BP-EP-Associate-in-Applied-</a> |
| Network Administrator/Analyst                       | Hennepin Technical College    | Eden Prairie    | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others | No                              | No                  | <a href="http://hennepintech.smartcatalogiq.com/2020-2021/Catalog/Semester-Sequences/Network-Administrator-Analyst-BP-EP-Associate-in-Applied-">http://hennepintech.smartcatalogiq.com/2020-2021/Catalog/Semester-Sequences/Network-Administrator-Analyst-BP-EP-Associate-in-Applied-</a> |
| Network Technology and Security                     | Inver Hills Community College | Burnsville      | No           | Yes    | At least two but less than four years | Associates Degree                             | No                              | Pending             | <a href="https://www.inverhills.edu/DegreesAndPrograms/PPGs/2021-22/InformationTechnologyCareers.pdf#page=2">https://www.inverhills.edu/DegreesAndPrograms/PPGs/2021-22/InformationTechnologyCareers.pdf#page=2</a>   |
| Reverse Engineering Malware Analysis and Techniques | Century College               | White Bear Lake | Yes, Partial | Yes    | One year                              | Sub-bachelor's postsecondary award            | No                              | No                  | <a href="http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=2078&amp;returnto=443">http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=2078&amp;returnto=443</a>   |

**INFORMATION TECHNOLOGY — Service Desk Front Line Support**

| Program                                     | Training Institution                          | Location      | Online       | Credit | Duration                              | Credential  | Has Participated in DTG Program | Competencies Mapped | URL   |
|---|---|---------------|--------------|--------|---------------------------------------|---|---------------------------------|---------------------|---|
| Bioinformatics Foundations                  | Rochester Community and Technical College     | Rochester     | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others                 | No                              | Pending             | <a href="https://www.rctc.edu/program/comp/">https://www.rctc.edu/program/comp/</a>   |
| Cisco Certifications                        | Knowledge Peak                                | Bloomington   | No           | No     | 5 days - 8 weeks                      | Sub-bachelor's postsecondary award                            | Yes                             | Pending             | <a href="https://www.kpeak.com/training-certifications/cisco-training/">https://www.kpeak.com/training-certifications/cisco-training/</a>   |
| Cisco Certified Entry Networking Technician | Able Career Institute - IT Career Lab         | Golden Valley | No           | No     | 4 Weeks                               | Industry-recognized or professional association certification | Yes                             | Yes                 | <a href="https://www.itcareerlab.org/job-seekers/">https://www.itcareerlab.org/job-seekers/</a>   |
| Cisco Certified Network Associate           | Able Career Institute - IT Career Lab         | Golden Valley | No           | No     | 12 Weeks                              | Industry-recognized or professional association certification | Yes                             | Yes                 | <a href="https://www.itcareerlab.org/job-seekers/">https://www.itcareerlab.org/job-seekers/</a>   |
| Cisco Communications                        | New Horizons                                  | Eagan         | Online       | No     | One Semester                          | Certificate   | Yes                             | No                  | <a href="https://www.newhorizons.com/courses-and-certifications/technical-courses/cisco">https://www.newhorizons.com/courses-and-certifications/technical-courses/cisco</a>                                       |
| Cisco Network Administrator                 | Minneapolis Community and Technical College   | Minneapolis   | No           | Yes    | One Year                              | Sub-bachelor's postsecondary award                            | No                              | No                  | <a href="https://www.minneapolis.edu/computer-support-network-administration">https://www.minneapolis.edu/computer-support-network-administration</a>   |
| Cisco Network Technician                    | Hibbing Community College                     | Hibbing       | No           | Yes    | One Year                              | Sub-bachelor's postsecondary award                            | No                              | No                  | <a href="http://hibbing.edu/academics/areas-of-study/computer-it/cisco-network-technician">http://hibbing.edu/academics/areas-of-study/computer-it/cisco-network-technician</a>                                   |
| CompTIA Mobility +                          | New Horizons                                  | Eagan         | Online       | No     | One Semester                          | Certificate   | Yes                             | Pending             | <a href="https://www.newhorizons.com/courses-and-certifications/technical-courses/cisco">https://www.newhorizons.com/courses-and-certifications/technical-courses/cisco</a>                                       |
| Computer - Management Information Systems   | Saint Paul College                            | Saint Paul    | Yes, partial | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others                 | No                              | Pending             | <a href="https://www.saintpaul.edu/programs/Pages/management-information-systems.aspx">https://www.saintpaul.edu/programs/Pages/management-information-systems.aspx</a>   |
| Computer and Information Technology         | Minnesota West Community & Technical College  | Worthington   | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others                 | No                              | Pending             | <a href="http://www.mnwest.edu/programs-courses/list/computer-and-information-technology-aas">http://www.mnwest.edu/programs-courses/list/computer-and-information-technology-aas</a>                             |
| Computer and Information Technology (CSCI)  | Minnesota West Community & Technical College  | Worthington   | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others                 | No                              | Pending             | <a href="http://www.mnwest.edu/programs-courses/list/computer-and-information-technology-aas">http://www.mnwest.edu/programs-courses/list/computer-and-information-technology-aas</a>                             |
| Computer Assistant                          | South Central College                         | North Mankato | No           | Yes    | One Year                              | Sub-bachelor's postsecondary award                            | No                              | Pending             | <a href="https://southcentral.edu/Award/cert3279.html">https://southcentral.edu/Award/cert3279.html</a>   |
| Computer Engineering                        | St. Cloud State University                    | St. Cloud     | Yes, Partial | Yes    | Four years                            | Bachelor's or baccalaureate degree normally requiring 3-5     | No                              | Pending             | <a href="https://www.stcloudstate.edu/programs/computer-engineering/default.aspx">https://www.stcloudstate.edu/programs/computer-engineering/default.aspx</a>   |
| Computer Engineering Technology             | Minnesota State College - Southeast Technical | Winona        | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others                 | No                              | Yes                 | <a href="http://www.southeastmn.edu/academic_programs_program/default.aspx?pid=88">http://www.southeastmn.edu/academic_programs_program/default.aspx?pid=88</a>   |
| Computer Information Science                | Minnesota West Community & Technical College  | Worthington   | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others                 | No                              | Pending             | <a href="https://www.mnwest.edu/programs-courses/list/computer-science-as">https://www.mnwest.edu/programs-courses/list/computer-science-as</a>   |
| Computer Information Science (CSCI)         | Minnesota West Community & Technical College  | Worthington   | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others                 | No                              | Pending             | <a href="https://www.mnwest.edu/programs-courses/list">https://www.mnwest.edu/programs-courses/list</a>   |
| Computer Information Systems                | Alexandria Technical and Community College    | Alexandria    | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others                 | No                              | Pending             | <a href="https://www.alextech.edu/programs/computer-information-systems">https://www.alextech.edu/programs/computer-information-systems</a>   |
| Computer Information Systems                | Bemidji State University                      | Bemidji       | No           | Yes    | Four years                            | Bachelor's or baccalaureate degree normally requiring 3-5     | No                              | No                  | <a href="https://www.bemidjistate.edu/academics/departments/mathematics-computer-science/computer-science/">https://www.bemidjistate.edu/academics/departments/mathematics-computer-science/computer-science/</a> |
| Computer Information Systems                | Rochester Community and Tech College          | Rochester     | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others                 | No                              | No                  | <a href="https://www.rctc.edu/program/comp/">https://www.rctc.edu/program/comp/</a>   |

INFORMATION TECHNOLOGY — Service Desk Front Line Support

| Program  | Training Institution                         | Location            | Online       | Credit | Duration                              | Credential  | Has Participated in DTG Program | Competencies Mapped | URL   |
|--|--|---------------------|--------------|--------|---------------------------------------|---|---------------------------------|---------------------|---|
| Computer Information Systems                       | Rochester Community and Technical College    | Rochester           | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.rctc.edu/program/comp/program-plans/">https://www.rctc.edu/program/comp/program-plans/</a>   |
| Computer Information Systems                       | Minnesota State University Moorhead          | Moorhead            | No           | Yes    | Four years                            | Bachelor's or baccalaureate degree normally requiring 3-5 | No                              | Pending             | <a href="https://www.mnstate.edu/academics/majors/computer-information-systems/">https://www.mnstate.edu/academics/majors/computer-information-systems/</a>   |
| Computer Information Systems                       | Rochester Community and Technical College    | Rochester           | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.rctc.edu/program/comp/">https://www.rctc.edu/program/comp/</a>   |
| Computer Information Systems (CSIS)                | Minnesota State University Moorhead          | Moorhead            | No           | Yes    | Four years                            | Bachelor's or baccalaureate degree normally requiring 3-5 | No                              | Pending             | <a href="https://navigator.mnstate.edu/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;catalogid=36&amp;chapterid=536&amp;topicgroupid=4845&amp;loaduseredits=True">https://navigator.mnstate.edu/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;catalogid=36&amp;chapterid=536&amp;topicgroupid=4845&amp;loaduseredits=True</a> |
| Computer Information Technology                    | Metropolitan State University                | St. Paul            | No           | Yes    | Four years                            | Bachelor's or baccalaureate degree normally requiring 3-5 | No                              | Yes                 | <a href="https://www.metrostate.edu/academics/programs/computer-information">https://www.metrostate.edu/academics/programs/computer-information</a>   |
| Computer Information Technology                    | Metropolitan State University                | St. Paul            | No           | Yes    | Four years                            | Bachelor's or baccalaureate degree normally requiring 3-5 | No                              | No                  | <a href="https://www.metrostate.edu/academics/programs/computer-information">https://www.metrostate.edu/academics/programs/computer-information</a>   |
| Computer Information Technology                    | Central Lakes College                        | Brainerd            | Yes, partial | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Yes                 | <a href="http://www.clcmn.edu/computer-information-technology-a-a-s-degree-2/">http://www.clcmn.edu/computer-information-technology-a-a-s-degree-2/</a>   |
| Computer Information Technology                    | Metropolitan State University                | St. Paul            | No           | No     | Four years                            | Bachelor's or baccalaureate degree normally requiring 3-5 | No                              | Yes                 | <a href="https://www.metrostate.edu/academics/programs/computer-information">https://www.metrostate.edu/academics/programs/computer-information</a>   |
| Computer Information Technology                    | Minnesota State University Moorhead          | Moorhead            | No           | Yes    | Four years                            | Bachelor's or baccalaureate degree normally requiring 3-5 | No                              | Pending             | <a href="https://navigator.mnstate.edu/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;catalogid=36&amp;chapterid=536&amp;topicgroupid=4843&amp;loaduseredits=True">https://navigator.mnstate.edu/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;catalogid=36&amp;chapterid=536&amp;topicgroupid=4843&amp;loaduseredits=True</a> |
| Computer Information Technology (CSIS)             | Minnesota State University Moorhead          | Moorhead            | No           | Yes    | Four years                            | Bachelor's or baccalaureate degree normally requiring 3-5 | No                              | Pending             | <a href="https://navigator.mnstate.edu/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;catalogid=36&amp;chapterid=536&amp;topicgroupid=4845&amp;loaduseredits=True">https://navigator.mnstate.edu/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;catalogid=36&amp;chapterid=536&amp;topicgroupid=4845&amp;loaduseredits=True</a> |
| Computer Network Engineering                       | Saint Paul College                           | Saint Paul          | Yes, Partial | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.saintpaul.edu/programs/computer-networking-careers">https://www.saintpaul.edu/programs/computer-networking-careers</a>   |
| Computer Network Training - Advanced-May not exist | Network Training Institute                   | Saint Paul          | Online       | No     | 18 weeks                              | Certificate   | No                              | No                  | <a href="https://www.networktraininginstitute.org/">https://www.networktraininginstitute.org/</a>   |
| Computer Network Training - Entry                  | Network Training Institute                   | Saint Paul          | Online       | No     | 26 weeks                              | Sub-bachelor's postsecondary award                        | No                              | No                  | <a href="https://www.networktraininginstitute.org/">https://www.networktraininginstitute.org/</a>   |
| Computer Network Training - Intermediate           | Network Training Institute                   | Saint Paul          | Online       | No     | 26 weeks                              | Sub-bachelor's postsecondary award                        | No                              | No                  | <a href="https://www.networktraininginstitute.org/">https://www.networktraininginstitute.org/</a>   |
| Computer Networking and Applications               | St. Cloud State University                   | St. Cloud           | Yes, partial | Yes    | Four years                            | Bachelor's or baccalaureate degree normally requiring 3-5 | No                              | Pending             | <a href="https://www.stcloudstate.edu/programs/computer-networking-applications/default.aspx">https://www.stcloudstate.edu/programs/computer-networking-applications/default.aspx</a>   |
| Computer Networking Specialist (CST)               | Minnesota West Community & Technical College | Worthington         | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.mnwest.edu/programs-courses/list/computer-specialist-aas">https://www.mnwest.edu/programs-courses/list/computer-specialist-aas</a>   |
| Computer Programmer                                | Inver Hills Community College                | Inver Grove Heights | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.inverhills.edu/DegreesAndPrograms/PPGs/2021-22/ComputerScience.pdf#page=3">https://www.inverhills.edu/DegreesAndPrograms/PPGs/2021-22/ComputerScience.pdf#page=3</a>   |
| Computer Programmer                                | Ridgewater College                           | Hutchinson          | Yes, partial | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://ridgewater.edu/academics/areas-of-study/information-technology/computer-programming-program/">https://ridgewater.edu/academics/areas-of-study/information-technology/computer-programming-program/</a>   |
| Computer Programmer                                | Ridgewater College                           | Willmar             | Yes, partial | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://ridgewater.edu/academics/areas-of-study/information-technology/computer-programming-program/">https://ridgewater.edu/academics/areas-of-study/information-technology/computer-programming-program/</a>   |

INFORMATION TECHNOLOGY — Service Desk Front Line Support

| Program              | Training Institution                            | Location            | Online       | Credit | Duration                              | Credential  | Has Participated in DTG Program | Competencies Mapped | URL   |
|----------------------|---|---------------------|--------------|--------|---------------------------------------|---|---------------------------------|---------------------|---|
| Computer Programmer  | Ridgewater College                              | Hutchinson          | Yes, partial | Yes    | One to Two Years                      | Sub-bachelor's postsecondary award                        | No                              | Pending             | <a href="https://ridgewater.edu/academics/areas-of-study/information-technology/computer-programming-program/">https://ridgewater.edu/academics/areas-of-study/information-technology/computer-programming-program/</a> |
| Computer Programmer  | Ridgewater College                              | Willmar             | Yes, partial | Yes    | One to Two Years                      | Sub-bachelor's postsecondary award                        | No                              | Pending             | <a href="https://ridgewater.edu/academics/areas-of-study/information-technology/computer-programming-program/">https://ridgewater.edu/academics/areas-of-study/information-technology/computer-programming-program/</a> |
| Computer Programming | Saint Paul College                              | Saint Paul          | Yes, partial | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.saintpaul.edu/programs/Pages/computer-programming.aspx">https://www.saintpaul.edu/programs/Pages/computer-programming.aspx</a>   |
| Computer Programming | Minnesota State Community and Technical College | Moorhead            | Yes, partial | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.minnesota.edu/programs_majors.php?prog_code=165#/">https://www.minnesota.edu/programs_majors.php?prog_code=165#/</a>   |
| Computer Programming | Saint Paul College                              | Saint Paul          | Yes, Partial | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.saintpaul.edu/programs/computer-programming">https://www.saintpaul.edu/programs/computer-programming</a>   |
| Computer Programming | St. Cloud Technical and Community College       | St. Cloud           | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Yes                 | <a href="https://www.sctcc.edu/degrees-programs/computer-programming/computer-programmer-aas-71-credits">https://www.sctcc.edu/degrees-programs/computer-programming/computer-programmer-aas-71-credits</a>             |
| Computer Science     | Inver Hills Community College                   | Inver Grove Heights | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.inverhills.edu/DegreesAndPrograms/ComputerScience/index.aspx">https://www.inverhills.edu/DegreesAndPrograms/ComputerScience/index.aspx</a>   |
| Computer Science     | Inver Hills Community College                   | Inver Grove Heights | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Yes                 | <a href="https://www.inverhills.edu/DegreesAndPrograms/ComputerScience/index.aspx">https://www.inverhills.edu/DegreesAndPrograms/ComputerScience/index.aspx</a>   |
| Computer Science     | Metropolitan State University                   | St. Paul            | No           | Yes    | Two Years                             | Professional Graduate Degree                              | No                              | No                  | <a href="https://www.metrostate.edu/academics/programs/computer-science-psm">https://www.metrostate.edu/academics/programs/computer-science-psm</a>   |
| Computer Science     | Metropolitan State University                   | St. Paul            | No           | Yes    | Two Years                             | Graduate Degree   | No                              | No                  | <a href="https://www.metrostate.edu/academics/programs/computer-science-ms">https://www.metrostate.edu/academics/programs/computer-science-ms</a>   |
| Computer Science     | Minneapolis Community and Technical College     | Minneapolis         | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://minneapolis.edu/academics/school-information-technology">https://minneapolis.edu/academics/school-information-technology</a>   |
| Computer Science     | Minnesota West Community & Technical College    | Worthington         | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="http://www.mnwest.edu/programs-courses/list/computer-science-as">http://www.mnwest.edu/programs-courses/list/computer-science-as</a>   |
| Computer Science     | North Hennepin Community College                | Brooklyn Park       | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.nhcc.edu/academic-programs/degrees-and-certificates/computer-science">https://www.nhcc.edu/academic-programs/degrees-and-certificates/computer-science</a>   |
| Computer Science     | Rochester Community and Technical College       | Rochester           | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.rctc.edu/program/comp/program-plans/">https://www.rctc.edu/program/comp/program-plans/</a>   |
| Computer Science     | St. Cloud State University                      | St. Cloud           | Yes, partial | Yes    | Four years                            | Bachelor's or baccalaureate degree normally requiring 3-5 | No                              | Pending             | <a href="https://www.stcloudstate.edu/programs/computer-science/default.aspx">https://www.stcloudstate.edu/programs/computer-science/default.aspx</a>   |
| Computer Science     | St. Cloud State University                      | St. Cloud           | Yes, Partial | Yes    | Four years                            | Bachelor's or baccalaureate degree normally requiring 3-5 | No                              | Pending             | <a href="https://www.stcloudstate.edu/programs/computer-science/default.aspx">https://www.stcloudstate.edu/programs/computer-science/default.aspx</a>   |
| Computer Science     | University of Minnesota                         | Minneapolis         | No           | Yes    | Four years                            | Bachelor's or baccalaureate degree normally requiring 3-5 | No                              |                     | <a href="https://onestop2.umn.edu/pcas/viewCatalogProgram.do?programID=127">https://onestop2.umn.edu/pcas/viewCatalogProgram.do?programID=127</a>   |
| Computer Science     | University of Minnesota                         | Morris              | No           | Yes    | Four years                            | Bachelor's or baccalaureate degree normally requiring 3-5 | No                              |                     | <a href="https://academics.morris.umn.edu/computer-science">https://academics.morris.umn.edu/computer-science</a>   |
| Computer Science     | Bemidji State University                        | Bemidji             | No           | Yes    | Four years                            | Bachelor's or baccalaureate degree normally requiring 3-5 | No                              | Yes                 | <a href="https://www.bemidjistate.edu/academics/departments/mathematics-computer-science/computer-science/">https://www.bemidjistate.edu/academics/departments/mathematics-computer-science/computer-science/</a>       |

**INFORMATION TECHNOLOGY — Service Desk Front Line Support**

| Program  | Training Institution                         | Location        | Online       | Credit | Duration                              | Credential  | Has Participated in DTG Program | Competencies Mapped | URL   |
|--|--|-----------------|--------------|--------|---------------------------------------|---|---------------------------------|---------------------|---|
| Computer Science                                   | Minnesota State University Moorhead          | Moorhead        | No           | Yes    | Four years                            | Bachelor's or baccalaureate degree normally requiring 3-5 | No                              | Pending             | <a href="https://navigator.mnstate.edu/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;catalogid=36&amp;chapterid=536&amp;topicgroupid=4847&amp;loaduseredits=True">https://navigator.mnstate.edu/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;catalogid=36&amp;chapterid=536&amp;topicgroupid=4847&amp;loaduseredits=True</a>                       |
| Computer Science                                   | Normandale Community College                 | Bloomington     | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="http://www.normandale.edu/catalog/programs-of-study/minnesota-state-transfer-pathway-degrees/computer-science-transfer-pathway-(as)—60-">http://www.normandale.edu/catalog/programs-of-study/minnesota-state-transfer-pathway-degrees/computer-science-transfer-pathway-(as)—60-</a>   |
| Computer Science (CSCI)                            | Century College                              | White Bear Lake | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.century.edu/programs/computer-science">https://www.century.edu/programs/computer-science</a>   |
| Computer Science (CSCI)                            | Minnesota West Community & Technical College | Worthington     | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="http://www.mnwest.edu/programs-courses/list/computer-science-aa">http://www.mnwest.edu/programs-courses/list/computer-science-aa</a>   |
| Computer Science (CSCI)                            | Minnesota West Community & Technical College | Worthington     | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="http://www.mnwest.edu/programs-courses/list/computer-science-as">http://www.mnwest.edu/programs-courses/list/computer-science-as</a>   |
| Computer Science (CSCI)                            | Normandale Community College                 | Bloomington     | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="http://www.normandale.edu/catalog/programs-of-study/minnesota-state-transfer-pathway-degrees/computer-science-transfer-pathway-(as)—60-">http://www.normandale.edu/catalog/programs-of-study/minnesota-state-transfer-pathway-degrees/computer-science-transfer-pathway-(as)—60-</a>   |
| Computer Science (CSIS)                            | Minnesota State University Moorhead          | Moorhead        | No           | Yes    | Four years                            | Bachelor's or baccalaureate degree normally requiring 3-5 | No                              | Pending             | <a href="https://www.mnstate.edu/academics/majors/computer-science/">https://www.mnstate.edu/academics/majors/computer-science/</a>   |
| Computer Science Transfer Pathway                  | North Hennepin Community College             | Brooklyn Park   | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Yes                 | <a href="https://www.nhcc.edu/academic-programs/degrees-and-certificates/computer-science/computer-science-transfer-pathway-as">https://www.nhcc.edu/academic-programs/degrees-and-certificates/computer-science/computer-science-transfer-pathway-as</a>   |
| Computer Science Transfer Pathway                  | Saint Paul College                           | Saint Paul      | Yes, Partial | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | No                  | <a href="https://www.saintpaul.edu/programs/Pages/computer-science.aspx">https://www.saintpaul.edu/programs/Pages/computer-science.aspx</a>   |
| Computer Software Development (ITEC)               | Minneapolis Community and Technical College  | Minneapolis     | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.minneapolis.edu/computer-software-development">https://www.minneapolis.edu/computer-software-development</a>   |
| Computer Specialist                                | Minnesota West Community & Technical College | Worthington     | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="http://www.mnwest.edu/programs-courses/list/computer-specialist-aas">http://www.mnwest.edu/programs-courses/list/computer-specialist-aas</a>   |
| Computer Support                                   | Northwest Technical College                  | Bemidji         | No           | Yes    | One Semester                          | Sub-bachelor's postsecondary award                        | No                              | No                  | <a href="https://www.ntcmn.edu/career-paths/business/computer-support/">https://www.ntcmn.edu/career-paths/business/computer-support/</a>   |
| Computer Support - Computer Maintenance & Repair   | Minnesota West Community & Technical College | Granite Falls   | No           | Yes    | One Year                              | Sub-bachelor's postsecondary award                        | No                              | No                  | <a href="http://www.mnwest.edu/programs-courses/list/computer-support-computer-maintenance-a-repair-certificate">http://www.mnwest.edu/programs-courses/list/computer-support-computer-maintenance-a-repair-certificate</a>   |
| Computer Support - Computer Maintenance & Repair   | Minnesota West Community & Technical College | Jackson         | No           | Yes    | One Year                              | Sub-bachelor's postsecondary award                        | No                              | No                  | <a href="http://www.mnwest.edu/programs-courses/list/computer-support-computer-maintenance-a-repair-certificate">http://www.mnwest.edu/programs-courses/list/computer-support-computer-maintenance-a-repair-certificate</a>   |
| Computer Support and Network Administration (ITEC) | Minneapolis Community and Technical College  | Minneapolis     | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://mctc.decisionacademic.com/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=2515&amp;topicid=3210&amp;loaduseredits=True&amp;ga=2.191658028.70598">https://mctc.decisionacademic.com/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=2515&amp;topicid=3210&amp;loaduseredits=True&amp;ga=2.191658028.70598</a> |
| Computer Support and Network Administrator         | Minneapolis Community and Technical College  | Minneapolis     | No           | Yes    | At least two but less than four years | Sub-bachelor's postsecondary award                        | No                              | No                  | <a href="https://www.minneapolis.edu/computer-support-network-administration">https://www.minneapolis.edu/computer-support-network-administration</a>   |
| Computer Support Specialist                        | Central Lakes College                        | Brainerd        | No           | Yes    | Two Years                             | Sub-bachelor's postsecondary award                        | No                              | No                  | <a href="http://www.clcmn.edu/computer-support-specialist-diploma-2/#1506450587743-111f9b93-f9a2a5c3-e10f31d5-30e7168c-ba6e8221-56fd1215-cca2">http://www.clcmn.edu/computer-support-specialist-diploma-2/#1506450587743-111f9b93-f9a2a5c3-e10f31d5-30e7168c-ba6e8221-56fd1215-cca2</a>   |
| Computer Support Technician                        | Minnesota West Community & Technical College | Granite Falls   | No           | Yes    | At least two but less than four years | Sub-bachelor's postsecondary award                        | No                              | No                  | <a href="http://www.mnwest.edu/programs-courses/list/computer-support-technician-diploma">http://www.mnwest.edu/programs-courses/list/computer-support-technician-diploma</a>   |
| Computer Support Technician                        | Ridgewater College                           | Willmar         | Yes          | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | No                  | <a href="https://www.ridgewater.edu/academics/areas-of-study/information-technology/computer-support-technician-program/">https://www.ridgewater.edu/academics/areas-of-study/information-technology/computer-support-technician-program/</a>   |



**INFORMATION TECHNOLOGY — Service Desk Front Line Support**

| Program                                | Training Institution                        | Location        | Online       | Credit | Duration                              | Credential                                    | Has Participated in DTG Program | Competencies Mapped | URL   |
|--|---|-----------------|--------------|--------|---------------------------------------|---|---------------------------------|---------------------|---|
| Computer Support Technician            | Ridgewater College                          | Hutchinson      | Yes          | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others | No                              |                     | <a href="https://www.ridgewater.edu/academics/areas-of-study/information-technology/computer-support-technician-program/">https://www.ridgewater.edu/academics/areas-of-study/information-technology/computer-support-technician-program/</a>   |
| Computer Support Technician            | Ridgewater College                          | Willmar         | Yes          | Yes    | At least two but less than four years | Sub-bachelor's postsecondary award            | No                              |                     | <a href="https://www.ridgewater.edu/academics/areas-of-study/information-technology/computer-support-technician-program/">https://www.ridgewater.edu/academics/areas-of-study/information-technology/computer-support-technician-program/</a>   |
| Computer Support Technician            | Ridgewater College                          | Hutchinson      | Yes          | Yes    | At least two but less than four years | Sub-bachelor's postsecondary award            | No                              |                     | <a href="https://www.ridgewater.edu/academics/areas-of-study/information-technology/computer-support-technician-program/">https://www.ridgewater.edu/academics/areas-of-study/information-technology/computer-support-technician-program/</a>   |
| Computer Technology                    | Normandale Community College                | Bloomington     | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others | No                              | Pending             | <a href="http://www.normandale.edu/catalog/programs-of-study/associate-of-applied-science/computer-technology-(aas)---60-credits">http://www.normandale.edu/catalog/programs-of-study/associate-of-applied-science/computer-technology-(aas)---60-credits</a>   |
| Computer Technology                    | Normandale Community College                | Bloomington     | No           | Yes    | One Semester                          | Certificate                                   | No                              | Pending             | <a href="https://www.normandale.edu/departments/stem-and-education/computer-technology">https://www.normandale.edu/departments/stem-and-education/computer-technology</a>   |
| Computer Technology                    | Riverland Community College                 | Albert Lea      | Yes, partial | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others | No                              | Pending             | <a href="https://www.riverland.edu/academics/programs/computer-technology-aas/description/">https://www.riverland.edu/academics/programs/computer-technology-aas/description/</a>   |
| Computer Technology                    | Riverland Community College                 | Austin          | Yes, partial | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others | No                              | Pending             | <a href="https://www.riverland.edu/academics/programs/computer-technology-aas/description/">https://www.riverland.edu/academics/programs/computer-technology-aas/description/</a>   |
| Computer Technology                    | Riverland Community College                 | Owatonna        | Yes, partial | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others | No                              | Pending             | <a href="https://www.riverland.edu/academics/programs/computer-technology-aas/description/">https://www.riverland.edu/academics/programs/computer-technology-aas/description/</a>   |
| Computer Technology                    | Riverland Community College                 | Albert Lea      | Yes          | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others | No                              | Yes                 | <a href="https://www.riverland.edu/academics/programs/computer-technology-aas/description/">https://www.riverland.edu/academics/programs/computer-technology-aas/description/</a>   |
| Computer Technology                    | Riverland Community College                 | Austin          | Yes          | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others | No                              |                     | <a href="https://www.riverland.edu/academics/programs/computer-technology-aas/description/">https://www.riverland.edu/academics/programs/computer-technology-aas/description/</a>   |
| Computer Technology                    | Riverland Community College                 | Owatonna        | Yes          | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others | No                              |                     | <a href="https://www.riverland.edu/academics/programs/computer-technology-aas/description/">https://www.riverland.edu/academics/programs/computer-technology-aas/description/</a>   |
| Computer Technology (COMP)             | Central Lakes College                       | Brainerd/Online | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others | No                              | Yes                 | <a href="http://www.clcmn.edu/computer-information-technology-a-a-s-degree-2/">http://www.clcmn.edu/computer-information-technology-a-a-s-degree-2/</a>   |
| Computer Technology (COMT)             | Normandale Community College                | Bloomington     | No           | Yes    | One Semester                          | Sub-bachelor's postsecondary award            | No                              | Pending             | <a href="https://www.normandale.edu/departments/stem-and-education/computer-technology">https://www.normandale.edu/departments/stem-and-education/computer-technology</a>   |
| Computers/Information Management (CIM) | Normandale Community College                | Bloomington     | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others | No                              | Pending             | <a href="http://www.normandale.edu/catalog/programs-of-study/associate-of-applied-science/computers/info-management-(aas)---60-credits">http://www.normandale.edu/catalog/programs-of-study/associate-of-applied-science/computers/info-management-(aas)---60-credits</a>   |
| Database Administrator                 | Minneapolis Community and Technical College | Minneapolis     | No           | Yes    | One Year                              | Sub-bachelor's postsecondary award            | No                              | No                  | <a href="https://mctc.decisionacademic.com/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=2515&amp;topicid=3215&amp;loadusercredits=True&amp;ga=2.153295550.70598">https://mctc.decisionacademic.com/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=2515&amp;topicid=3215&amp;loadusercredits=True&amp;ga=2.153295550.70598</a> |
| Database Specialist Certificate        | Minneapolis Community and Technical College | Minneapolis     | No           | Yes    | Two Semesters                         | Certificate                                   | No                              | No                  | <a href="https://mctc.decisionacademic.com/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=2514&amp;topicid=3203&amp;loadusercredits=True&amp;ga=2.153295550.70598">https://mctc.decisionacademic.com/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=2514&amp;topicid=3203&amp;loadusercredits=True&amp;ga=2.153295550.70598</a> |
| Desktop Programming                    | Dakota County Technical College             | Rosemount       | No           | Yes    | One Year                              | Certificate                                   | No                              | No                  | <a href="https://www.dctc.edu/academics/programs-majors/stem/software-development/desktop-programming-certificate/">https://www.dctc.edu/academics/programs-majors/stem/software-development/desktop-programming-certificate/</a>   |
| Emerging Computer Technology           | Northwest Technical College                 | Bemidji         | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others | No                              | Yes                 | <a href="https://www.ntcmn.edu/career-paths/business/computer-support/degrees-credentials/aas-e-emerging-computer-technology/">https://www.ntcmn.edu/career-paths/business/computer-support/degrees-credentials/aas-e-emerging-computer-technology/</a>   |
| Helpdesk Technician                    | Ridgewater College                          | Willmar         | Yes          | Yes    | One Year                              | Sub-bachelor's postsecondary award            | No                              |                     | <a href="https://www.ridgewater.edu/academics/areas-of-study/information-technology/computer-support-technician-program/">https://www.ridgewater.edu/academics/areas-of-study/information-technology/computer-support-technician-program/</a>   |

**INFORMATION TECHNOLOGY — Service Desk Front Line Support**

| Program                                       | Training Institution                          | Location        | Online       | Credit | Duration                              | Credential  | Has Participated in DTG Program | Competencies Mapped | URL   |
|---|---|-----------------|--------------|--------|---------------------------------------|---|---------------------------------|---------------------|---|
| Helpdesk Technician                           | Ridgewater College                            | Hutchinson      | Yes          | Yes    | One Year                              | Sub-bachelor's postsecondary award                        | No                              |                     | <a href="https://www.ridgewater.edu/academics/areas-of-study/information-technology/computer-support-technician-program/">https://www.ridgewater.edu/academics/areas-of-study/information-technology/computer-support-technician-program/</a>   |
| Information and Telecommunications Technology | Century College                               | White Bear Lake | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | No                  | <a href="https://www.century.edu/programs/information-and-telecommunications-technology">https://www.century.edu/programs/information-and-telecommunications-technology</a>   |
| Information Systems                           | South Central College                         | North Mankato   | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://southcentral.edu/Award/aas3275.html">https://southcentral.edu/Award/aas3275.html</a>   |
| Information Systems                           | South Central College                         | North Mankato   | No           | Yes    | One to Two Years                      | Sub-bachelor's postsecondary award                        | No                              | Pending             | <a href="https://southcentral.edu/Award/dip3276.html">https://southcentral.edu/Award/dip3276.html</a>   |
| Information Systems                           | South Central College                         | North Mankato   | No           | Yes    | At least two but less than four years | Sub-bachelor's postsecondary award                        | No                              | Pending             | <a href="https://southcentral.edu/Award/dip3276.html">https://southcentral.edu/Award/dip3276.html</a>   |
| Information Systems                           | St. Cloud State University                    | St. Cloud       | No           | Yes    | Four years                            | Bachelor's or baccalaureate degree normally requiring 3-5 | No                              | Pending             | <a href="https://www.stcloudstate.edu/programs/information-systems/default.aspx">https://www.stcloudstate.edu/programs/information-systems/default.aspx</a>   |
| Information Technology Management             | Anoka Technical College                       | Anoka           | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Yes                 | <a href="http://www.anokatech.edu/~link.aspx?id=2A3C751E494647D0BA43C911CAF62BB8&amp;z=z">http://www.anokatech.edu/~link.aspx?id=2A3C751E494647D0BA43C911CAF62BB8&amp;z=z</a>   |
| Internet Programming                          | Century College                               | White Bear Lake | Yes, partial | Yes    | One Semester                          | Certificate   | No                              | No                  | <a href="http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=2027&amp;returnto=443">http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=2027&amp;returnto=443</a>   |
| IT Networking and Security                    | Hibbing Community College                     | Hibbing         | No           | Yes    | Two Years                             | Sub-bachelor's postsecondary award                        | No                              | Pending             | <a href="http://hibbing.edu/academics/areas-of-study/computer-/it/networking-and-security">http://hibbing.edu/academics/areas-of-study/computer-/it/networking-and-security</a>   |
| IT Service Desk Technician                    | Hennepin Technical College                    | Brooklyn Park   | No           | Yes    | One Year                              | Sub-bachelor's postsecondary award                        | No                              | Yes                 | <a href="https://hennepintech.smartcatalogiq.com/2020-2021/Catalog/Semester-Sequences/IT-Service-Desk-Technician-BP-EP-Occupational-Certificate">https://hennepintech.smartcatalogiq.com/2020-2021/Catalog/Semester-Sequences/IT-Service-Desk-Technician-BP-EP-Occupational-Certificate</a>   |
| IT Service Desk Technician                    | Hennepin Technical College                    | Eden Prairie    | No           | Yes    | One Year                              | Sub-bachelor's postsecondary award                        | No                              | No                  | <a href="https://hennepintech.smartcatalogiq.com/2020-2021/Catalog/Semester-Sequences/IT-Service-Desk-Technician-BP-EP-Occupational-Certificate">https://hennepintech.smartcatalogiq.com/2020-2021/Catalog/Semester-Sequences/IT-Service-Desk-Technician-BP-EP-Occupational-Certificate</a>   |
| IT Support                                    | Minnesota State College - Southeast Technical | Red Wing        | Yes          | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | No                  | <a href="http://www.southeastmn.edu/academic_programs/program/Default.aspx?pid=14">http://www.southeastmn.edu/academic_programs/program/Default.aspx?pid=14</a>   |
| IT Support                                    | Minnesota State College - Southeast Technical | Red Wing        | Yes          | Yes    | At least two but less than four years | Sub-bachelor's postsecondary award                        | No                              | No                  | <a href="http://www.southeastmn.edu/academic_programs/program/Default.aspx?pid=14">http://www.southeastmn.edu/academic_programs/program/Default.aspx?pid=14</a>   |
| IT Support Associate                          | Hennepin Technical College                    | Brooklyn Park   | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | No                  | <a href="https://hennepintech.smartcatalogiq.com/en/2020-2021/Catalog/Degrees-and-Programs/Business-and-Information-Technology/Information-Technology/IT-">https://hennepintech.smartcatalogiq.com/en/2020-2021/Catalog/Degrees-and-Programs/Business-and-Information-Technology/Information-Technology/IT-</a>   |
| IT Support Associate                          | Hennepin Technical College                    | Eden Prairie    | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | No                  | <a href="https://hennepintech.smartcatalogiq.com/en/2020-2021/Catalog/Degrees-and-Programs/Business-and-Information-Technology/Information-Technology/IT-">https://hennepintech.smartcatalogiq.com/en/2020-2021/Catalog/Degrees-and-Programs/Business-and-Information-Technology/Information-Technology/IT-</a>   |
| IT Support Specialist                         | Hennepin Technical College                    | Brooklyn Park   | No           | Yes    | Two Years                             | Sub-bachelor's postsecondary award                        | No                              | No                  | <a href="https://hennepintech.smartcatalogiq.com/2020-2021/Catalog/Degrees-and-Programs/Business-and-Information-Technology/Information-Technology/IT-">https://hennepintech.smartcatalogiq.com/2020-2021/Catalog/Degrees-and-Programs/Business-and-Information-Technology/Information-Technology/IT-</a>   |
| IT Support Specialist                         | Hennepin Technical College                    | Eden Prairie    | No           | Yes    | Two Years                             | Sub-bachelor's postsecondary award                        | No                              | No                  | <a href="https://hennepintech.smartcatalogiq.com/2020-2021/Catalog/Degrees-and-Programs/Business-and-Information-Technology/Information-Technology/IT-">https://hennepintech.smartcatalogiq.com/2020-2021/Catalog/Degrees-and-Programs/Business-and-Information-Technology/Information-Technology/IT-</a>   |
| ITIL Foundation                               | People Cert - Pearson Vue                     | Online          | Yes          | No     | One Semester                          | Certificate   | Yes                             |                     | <a href="https://www.peoplecert.org/en/browse-certifications/it-governance-and-service-management/ITIL-1/itil-foundation-476">https://www.peoplecert.org/en/browse-certifications/it-governance-and-service-management/ITIL-1/itil-foundation-476</a>   |
| Java Certificate                              | Minneapolis Community and Technical College   | Minneapolis     | No           | Yes    | Two Semesters                         | Certificate   | No                              | No                  | <a href="https://mctc.decisionacademic.com/Catalog/viewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=2514&amp;topicid=3204&amp;loaduseredits=True&amp;ga=2.195720234.70598">https://mctc.decisionacademic.com/Catalog/viewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=2514&amp;topicid=3204&amp;loaduseredits=True&amp;ga=2.195720234.70598</a> |

INFORMATION TECHNOLOGY — Service Desk Front Line Support

| Program  | Training Institution                          | Location  | Online       | Credit     | Duration                              | Credential                                    | Has Participated in DTG Program | Competencies Mapped | URL   |
|--|---|---|--------------|------------|---------------------------------------|---|---------------------------------|---------------------|---|
| JAVA Computer Programmer   | Ridgewater College                            | Hutchinson  | Yes, partial | Yes        | One Semester                          | Certificate                                   | No                              | Pending             | <a href="https://ridgewater.edu/academics/areas-of-study/information-technology/computer-programming-program/">https://ridgewater.edu/academics/areas-of-study/information-technology/computer-programming-program/</a>   |
| JAVA Computer Programmer   | Ridgewater College                            | Willmar   | Yes, partial | Yes        | One Semester                          | Certificate                                   | No                              | Pending             | <a href="https://ridgewater.edu/academics/areas-of-study/information-technology/computer-programming-program/">https://ridgewater.edu/academics/areas-of-study/information-technology/computer-programming-program/</a>   |
| JAVA Programming Certificate                                     | Saint Paul College                            | Saint Paul  | Yes, partial | Yes        | One Semester                          | Certificate                                   | No                              | Pending             | <a href="https://www.saintpaul.edu/programs/Pages/java-programming.aspx">https://www.saintpaul.edu/programs/Pages/java-programming.aspx</a>   |
| Linux Network Administrator                                      | Minneapolis Community and Technical College   | Minneapolis   | No           | Yes        | One Year                              | Sub-bachelor's postsecondary award            | No                              | No                  | <a href="https://mctc.decisionacademic.com/Catalog/viewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=2515&amp;topicid=3216&amp;loaduserredits=True&amp;_ga=2.221542430.70598">https://mctc.decisionacademic.com/Catalog/viewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=2515&amp;topicid=3216&amp;loaduserredits=True&amp;_ga=2.221542430.70598</a> |
| Management Information Systems                                   | Saint Paul College                            | Saint Paul  | Yes, Partial | Yes        | At least two but less than four years | Associate's degree such as AA, AS, and others | No                              | Pending             | <a href="https://www.saintpaul.edu/programs/management-information-systems">https://www.saintpaul.edu/programs/management-information-systems</a>   |
| Microsoft MCSD : Web Applications Certification Training         | CED Solutions                                 | Bloomington, Duluth, Minneapolis, Rochester, St. Paul | No           | Non credit | 15 days                               | Certificate                                   | Yes                             | Pending             | <a href="https://www.cedsolutions.com/1042/certification/mcsd-web-applications-html5">https://www.cedsolutions.com/1042/certification/mcsd-web-applications-html5</a>   |
| Microsoft SharePoint Server 2010/CompTIA Mobility+ Certification | New Horizons                                  | Eagan   | Online       | No         | 16 hours                              | Certificate                                   | Yes                             | Pending             | <a href="https://www.newhorizons.com/courses-and-certifications/technical-courses/cisco">https://www.newhorizons.com/courses-and-certifications/technical-courses/cisco</a>   |
| Network Administration   | Saint Paul College                            | Saint Paul  | Yes, Partial | Yes        | One Year                              | Sub-bachelor's postsecondary award            | No                              | No                  | <a href="https://www.saintpaul.edu/programs/computer-networking-careers">https://www.saintpaul.edu/programs/computer-networking-careers</a>   |
| Network Administration   | South Central College                         | North Mankato   | No           | Yes        | One Year                              | Sub-bachelor's postsecondary award            | No                              | Pending             | <a href="https://southcentral.edu/Award/cert3297.html">https://southcentral.edu/Award/cert3297.html</a>   |
| Network Administration   | St. Cloud Technical and Community College     | St. Cloud   | No           | Yes        | At least two but less than four years | Associate's degree such as AA, AS, and others | No                              |                     | <a href="https://www.sctcc.edu/degrees-programs/information-technology-infrastructure/network-administration-aas-60-credits">https://www.sctcc.edu/degrees-programs/information-technology-infrastructure/network-administration-aas-60-credits</a>   |
| Network Administration & Technology                              | Minnesota State College - Southeast Technical | Winona  | No           | Yes        | At least two but less than four years | Associate's degree such as AA, AS, and others | No                              | Pending             | <a href="http://www.southeastmn.edu/academic_programs/program/Default.aspx?pid=22">http://www.southeastmn.edu/academic_programs/program/Default.aspx?pid=22</a>   |
| Network Administration & Technology                              | Minnesota State College - Southeast Technical | Winona  | No           | Yes        | One Year                              | Sub-bachelor's postsecondary award            | No                              | Pending             | <a href="http://www.southeastmn.edu/academic_programs/program/Default.aspx?pid=22">http://www.southeastmn.edu/academic_programs/program/Default.aspx?pid=22</a>   |
| Network Administration & Technology - Microsoft                  | Minnesota State College - Southeast Technical | Winona  | No           | Yes        | One Semester                          | Sub-bachelor's postsecondary award            | No                              | Pending             | <a href="http://www.southeastmn.edu/academic_programs/program/Default.aspx?pid=22">http://www.southeastmn.edu/academic_programs/program/Default.aspx?pid=22</a>   |
| Network Systems Administration                                   | Ridgewater College                            | Willmar   | Yes          | Yes        | At least two but less than four years | Associate's degree such as AA, AS, and others | No                              | Yes                 | <a href="https://www.ridgewater.edu/academics/areas-of-study/information-technology/network-systems-administrator-program/">https://www.ridgewater.edu/academics/areas-of-study/information-technology/network-systems-administrator-program/</a>   |
| Network Systems Administration                                   | Ridgewater College                            | Hutchinson  | Yes          | Yes        | At least two but less than four years | Associate's degree such as AA, AS, and others | No                              |                     | <a href="https://www.ridgewater.edu/academics/areas-of-study/information-technology/network-systems-administrator-program/">https://www.ridgewater.edu/academics/areas-of-study/information-technology/network-systems-administrator-program/</a>   |
| Network Systems Administration                                   | Ridgewater College                            | Willmar   | Yes          | Yes        | At least two but less than four years | Sub-bachelor's postsecondary award            | No                              |                     | <a href="https://www.ridgewater.edu/academics/areas-of-study/information-technology/network-systems-administrator-program/">https://www.ridgewater.edu/academics/areas-of-study/information-technology/network-systems-administrator-program/</a>   |
| Network Systems Administration                                   | Ridgewater College                            | Hutchinson  | Yes          | Yes        | At least two but less than four years | Sub-bachelor's postsecondary award            | No                              |                     | <a href="https://www.ridgewater.edu/academics/areas-of-study/information-technology/network-systems-administrator-program/">https://www.ridgewater.edu/academics/areas-of-study/information-technology/network-systems-administrator-program/</a>   |
| Networking Services  | South Central College                         | North Mankato   | No           | Yes        | At least two but less than four years | Associate's degree such as AA, AS, and others | No                              | Pending             | <a href="https://southcentral.edu/Award/aas3277.html">https://southcentral.edu/Award/aas3277.html</a>   |
| Networking Services  | South Central College                         | North Mankato   | No           | Yes        | One to Two Years                      | Sub-bachelor's postsecondary award            | No                              | Pending             | <a href="http://southcentral.edu/Majors-and-Programs/computer-careers.html">http://southcentral.edu/Majors-and-Programs/computer-careers.html</a>   |

INFORMATION TECHNOLOGY — Service Desk Front Line Support

| Program                                 | Training Institution                         | Location      | Online       | Credit | Duration                              | Credential                                    | Has Participated in DTG Program | Competencies Mapped | URL   |
|---|--|---------------|--------------|--------|---------------------------------------|---|---------------------------------|---------------------|---|
| Networking Services                     | South Central College                        | North Mankato | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others | No                              | Pending             | <a href="https://southcentral.edu/Award/aas3277.html">https://southcentral.edu/Award/aas3277.html</a>   |
| Networking Services                     | South Central College                        | North Mankato | No           | Yes    | At least two but less than four years | Sub-bachelor's postsecondary award            | No                              | Pending             | <a href="http://ecatalog.southcentral.edu/DIP%203278.php">http://ecatalog.southcentral.edu/DIP%203278.php</a>   |
| Open Source Developer Certificate       | Minneapolis Community and Technical College  | Minneapolis   | No           | Yes    | Two Semesters                         | Certificate                                   | No                              | No                  | <a href="https://mctc.decisionacademic.com/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=2514&amp;topicid=3205&amp;loaduserredits=True&amp;_ga=2.166943672.70598">https://mctc.decisionacademic.com/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=2514&amp;topicid=3205&amp;loaduserredits=True&amp;_ga=2.166943672.70598</a> |
| PC Specialist Diploma                   | St. Cloud Technical and Community College    | St. Cloud     | No           | Yes    | 2 Semesters                           | Sub-bachelor's postsecondary award            | No                              |                     | <a href="https://www.sctcc.edu/degrees-programs/information-technology-infrastructure/pc-specialist-diploma-32-credits">https://www.sctcc.edu/degrees-programs/information-technology-infrastructure/pc-specialist-diploma-32-credits</a>   |
| Service Improvement                     | Global Knowledge Training LLC                | Online        | Yes          | No     | x                                     | Certificate                                   | Yes                             | Pending             | <a href="https://www.globalknowledge.com/us-en/training/course-catalog/brands/itil/">https://www.globalknowledge.com/us-en/training/course-catalog/brands/itil/</a>   |
| Software Development                    | Anoka Technical College                      | Anoka         | Yes, partial | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others | No                              | No                  | <a href="https://www.anokatech.edu/ProgramsCourses/InformationTechMgmt/SoftwareDevelopment.aspx">https://www.anokatech.edu/ProgramsCourses/InformationTechMgmt/SoftwareDevelopment.aspx</a>   |
| Software Development                    | Anoka Technical College                      | Anoka         | Yes, partial | Yes    | One to two years                      | Sub-bachelor's postsecondary award            | No                              | No                  | <a href="https://www.anokatech.edu/ProgramsCourses/InformationTechMgmt/SoftwareDevelopment.aspx">https://www.anokatech.edu/ProgramsCourses/InformationTechMgmt/SoftwareDevelopment.aspx</a>   |
| Software Development                    | Dakota County Technical College              | Rosemount     | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others | No                              | No                  | <a href="https://www.dctc.edu/academics/programs-majors/stem/software-development/software-development-aas-degree/">https://www.dctc.edu/academics/programs-majors/stem/software-development/software-development-aas-degree/</a>   |
| Software Development                    | Dakota County Technical College              | Rosemount     | No           | Yes    | One to Two Years                      | Sub-bachelor's postsecondary award            | No                              | No                  | <a href="https://www.dctc.edu/academics/programs-majors/stem/software-development/software-development-diploma/">https://www.dctc.edu/academics/programs-majors/stem/software-development/software-development-diploma/</a>   |
| Software Development                    | Minneapolis Community and Technical College  | Minneapolis   | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others | No                              | No                  | <a href="https://mctc.decisionacademic.com/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=2514&amp;topicid=3199&amp;loaduserredits=True&amp;_ga=2.166943672.70598">https://mctc.decisionacademic.com/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=2514&amp;topicid=3199&amp;loaduserredits=True&amp;_ga=2.166943672.70598</a> |
| Software Development                    | Minneapolis Community and Technical College  | Minneapolis   | No           | Yes    | One to Two Years                      | Sub-bachelor's postsecondary award            | No                              | No                  | <a href="https://mctc.decisionacademic.com/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=2514&amp;topicid=3200&amp;loaduserredits=True&amp;_ga=2.166943672.70598">https://mctc.decisionacademic.com/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=2514&amp;topicid=3200&amp;loaduserredits=True&amp;_ga=2.166943672.70598</a> |
| Telecommunications                      | Minnesota West Community & Technical College | Granite Falls | No           | Yes    | One Year                              | Sub-bachelor's postsecondary award            | No                              | No                  | <a href="http://www.mnwest.edu/programs-courses/list/telecommunications-certificate">http://www.mnwest.edu/programs-courses/list/telecommunications-certificate</a>   |
| Telecommunications                      | Minnesota West Community & Technical College | Jackson       | No           | Yes    | One Year                              | Sub-bachelor's postsecondary award            | No                              | No                  | <a href="http://www.mnwest.edu/programs-courses/list/telecommunications-certificate">http://www.mnwest.edu/programs-courses/list/telecommunications-certificate</a>   |
| Telecommunications (CST)                | Minnesota West Community & Technical College | Granite Falls | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others | No                              | No                  | <a href="http://www.mnwest.edu/programs-courses/list/telecommunications-aas">http://www.mnwest.edu/programs-courses/list/telecommunications-aas</a>   |
| Telecommunications (CST)                | Minnesota West Community & Technical College | Jackson       | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others | No                              | Pending             | <a href="http://www.mnwest.edu/programs-courses/list/telecommunications-aas">http://www.mnwest.edu/programs-courses/list/telecommunications-aas</a>   |
| Visual BASIC .NET Developer Certificate | Minneapolis Community and Technical College  | Minneapolis   | No           | Yes    | Two Semesters                         | Certificate                                   | No                              | No                  | <a href="https://mctc.decisionacademic.com/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=2514&amp;topicid=3207&amp;loaduserredits=True&amp;_ga=2.128799370.70598">https://mctc.decisionacademic.com/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=2514&amp;topicid=3207&amp;loaduserredits=True&amp;_ga=2.128799370.70598</a> |
| Visual C# Developer Certificate         | Minneapolis Community and Technical College  | Minneapolis   | No           | Yes    | Two Semesters                         | Certificate                                   | No                              | No                  | <a href="https://mctc.decisionacademic.com/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=2514&amp;topicid=3206&amp;loaduserredits=True&amp;_ga=2.267550472.70598">https://mctc.decisionacademic.com/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=2514&amp;topicid=3206&amp;loaduserredits=True&amp;_ga=2.267550472.70598</a> |
| Web Programmer                          | South Central College                        | North Mankato | No           | Yes    | One Semester                          | Certificate                                   | No                              | Pending             | <a href="https://southcentral.edu/Award/cert3261.html">https://southcentral.edu/Award/cert3261.html</a>   |
| Web Programming                         | Dakota County Technical College              | Rosemount     | No           | Yes    | One Year                              | Certificate                                   | No                              | No                  | <a href="https://www.dctc.edu/academics/programs-majors/stem/software-development/web-programming-certificate/">https://www.dctc.edu/academics/programs-majors/stem/software-development/web-programming-certificate/</a>   |

**INFORMATION TECHNOLOGY — Service Desk Front Line Support**

| Program               | Training Institution | Location   | Online       | Credit | Duration                              | Credential                                    | Has Participated in DTG Program | Competencies Mapped | URL   |
|-----------------------|----------------------|------------|--------------|--------|---------------------------------------|---|---------------------------------|---------------------|---|
| Web Programming       | Ridgewater College   | Hutchinson | Yes, partial | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others | No                              | Pending             | <a href="https://www.ridgewater.edu/academics/areas-of-study/information-technology/web-developer-program/">https://www.ridgewater.edu/academics/areas-of-study/information-technology/web-developer-program/</a>                                 |
| Web Programming       | Ridgewater College   | Hutchinson | Yes, partial | Yes    | One to Two Years                      | Sub-bachelor's postsecondary award            | No                              | Pending             | <a href="https://www.ridgewater.edu/academics/areas-of-study/information-technology/web-developer-program/">https://www.ridgewater.edu/academics/areas-of-study/information-technology/web-developer-program/</a>                                 |
| Web Programming       | Ridgewater College   | Willmar    | Yes, partial | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others | No                              | Pending             | <a href="https://www.ridgewater.edu/academics/areas-of-study/information-technology/web-developer-program/">https://www.ridgewater.edu/academics/areas-of-study/information-technology/web-developer-program/</a>                                 |
| Web Programming       | Ridgewater College   | Willmar    | Yes, partial | Yes    | One to Two Years                      | Sub-bachelor's postsecondary award            | No                              | Pending             | <a href="https://www.ridgewater.edu/academics/areas-of-study/information-technology/web-developer-program/">https://www.ridgewater.edu/academics/areas-of-study/information-technology/web-developer-program/</a>                                 |
| Windows Administrator | Ridgewater College   | Willmar    | Yes          | Yes    | One Year                              | Sub-bachelor's postsecondary award            | No                              |                     | <a href="https://www.ridgewater.edu/academics/areas-of-study/information-technology/network-systems-administrator-program/">https://www.ridgewater.edu/academics/areas-of-study/information-technology/network-systems-administrator-program/</a> |
| Windows Administrator | Ridgewater College   | Hutchinson | Yes          | Yes    | One Year                              | Sub-bachelor's postsecondary award            | No                              |                     | <a href="https://www.ridgewater.edu/academics/areas-of-study/information-technology/network-systems-administrator-program/">https://www.ridgewater.edu/academics/areas-of-study/information-technology/network-systems-administrator-program/</a> |

**INFORMATION TECHNOLOGY — Software Developer**

| Program                                   | Training Institution                            | Location            | Online       | Credit | Duration                              | Credential  | Has Participated in DTG Program | Competencies Mapped | URL   |
|---|---|---------------------|--------------|--------|---------------------------------------|---|---------------------------------|---------------------|---|
| Computer - Management Information Systems | Saint Paul College                              | Saint Paul          | Yes, partial | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.saintpaul.edu/programs/Pages/management-information-systems.aspx">https://www.saintpaul.edu/programs/Pages/management-information-systems.aspx</a>   |
| Computer and Information Technology       | Minnesota West Community & Technical College    | Worthington         | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="http://www.mnwest.edu/programs-courses/list/computer-and-information-technology-aas">http://www.mnwest.edu/programs-courses/list/computer-and-information-technology-aas</a>   |
| Computer Information Science              | Minnesota West Community & Technical College    | Worthington         | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.mnwest.edu/programs-courses/list/computer-science-aa">https://www.mnwest.edu/programs-courses/list/computer-science-aa</a>   |
| Computer Information Systems              | Alexandria Technical and Community College      | Alexandria          | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.alextech.edu/programs/computer-information-systems">https://www.alextech.edu/programs/computer-information-systems</a>   |
| Computer Information Systems              | Bemidji State University                        | Bemidji             | No           | Yes    | Four years                            | Bachelor's or baccalaureate degree normally requiring 3-5 | No                              | No                  | <a href="https://www.bemidjistate.edu/academics/departments/mathematics-computer-science/computer-science/">https://www.bemidjistate.edu/academics/departments/mathematics-computer-science/computer-science/</a>               |
| Computer Information Systems              | Rochester Community and Technical College       | Rochester           | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.rctc.edu/program/comp/program-plans/">https://www.rctc.edu/program/comp/program-plans/</a>   |
| Computer Information Systems              | Minnesota State University Moorhead             | Moorhead            | No           | Yes    | Four years                            | Bachelor's or baccalaureate degree normally requiring 3-5 | No                              | Pending             | <a href="https://www.mnstate.edu/academics/majors/computer-information-technology/">https://www.mnstate.edu/academics/majors/computer-information-technology/</a>   |
| Computer Information Technology           | Metropolitan State University                   | St. Paul            | No           | Yes    | Four years                            | Bachelor's or baccalaureate degree normally requiring 3-5 | No                              | Yes                 | <a href="https://www.metrostate.edu/academics/programs/computer-information">https://www.metrostate.edu/academics/programs/computer-information</a>   |
| Computer Information Technology           | Central Lakes College                           | Brainerd            | Yes, partial | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Yes                 | <a href="http://www.clcmn.edu/computer-information-technology-a-a-s-degree-2/">http://www.clcmn.edu/computer-information-technology-a-a-s-degree-2/</a>   |
| Computer Information Technology           | Minnesota State University Moorhead             | Moorhead            | No           | Yes    | Four years                            | Bachelor's or baccalaureate degree normally requiring 3-5 | No                              | Pending             | <a href="https://www.mnstate.edu/academics/majors/computer-information-technology/">https://www.mnstate.edu/academics/majors/computer-information-technology/</a>   |
| Computer Networking and Applications      | St. Cloud State University                      | St. Cloud           | Yes, partial | Yes    | Four years                            | Bachelor's or baccalaureate degree normally requiring 3-5 | No                              | Pending             | <a href="https://www.stcloudstate.edu/programs/computer-networking-applications/default.aspx">https://www.stcloudstate.edu/programs/computer-networking-applications/default.aspx</a>   |
| Computer Programmer                       | Inver Hills Community College                   | Inver Grove Heights | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.inverhills.edu/DegreesAndPrograms/PPGs/2021-22/ComputerScience.pdf#page=3">https://www.inverhills.edu/DegreesAndPrograms/PPGs/2021-22/ComputerScience.pdf#page=3</a>                                       |
| Computer Programmer                       | Ridgewater College                              | Hutchinson          | Yes, partial | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.ridgewater.edu/academics/areas-of-study/information-technology/computer-programming-program/">https://www.ridgewater.edu/academics/areas-of-study/information-technology/computer-programming-program/</a> |
| Computer Programmer                       | Ridgewater College                              | Willmar             | Yes, partial | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.ridgewater.edu/academics/areas-of-study/information-technology/computer-programming-program/">https://www.ridgewater.edu/academics/areas-of-study/information-technology/computer-programming-program/</a> |
| Computer Programmer                       | Ridgewater College                              | Hutchinson          | Yes, partial | Yes    | One to Two Years                      | Sub-bachelor's postsecondary award                        | No                              | Pending             | <a href="https://www.ridgewater.edu/academics/areas-of-study/information-technology/computer-programming-program/">https://www.ridgewater.edu/academics/areas-of-study/information-technology/computer-programming-program/</a> |
| Computer Programmer                       | Ridgewater College                              | Willmar             | Yes, partial | Yes    | One to Two Years                      | Sub-bachelor's postsecondary award                        | No                              | Pending             | <a href="https://www.ridgewater.edu/academics/areas-of-study/information-technology/computer-programming-program/">https://www.ridgewater.edu/academics/areas-of-study/information-technology/computer-programming-program/</a> |
| Computer Programming                      | Saint Paul College                              | Saint Paul          | Yes, partial | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.saintpaul.edu/programs/Pages/computer-programming.aspx">https://www.saintpaul.edu/programs/Pages/computer-programming.aspx</a>   |
| Computer Programming                      | Minnesota State Community and Technical College | Moorhead            | Yes, partial | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.minnesota.edu/programs_majors.php?prog_code=165#/">https://www.minnesota.edu/programs_majors.php?prog_code=165#/</a>   |
| Computer Programming                      | St. Cloud Technical and Community College       | St. Cloud           | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Yes                 | <a href="https://www.sctcc.edu/degrees-programs/computer-programming/computer-programmer-aas-71-credits">https://www.sctcc.edu/degrees-programs/computer-programming/computer-programmer-aas-71-credits</a>                     |

**INFORMATION TECHNOLOGY — Software Developer**

| Program                         | Training Institution                         | Location            | Online       | Credit | Duration                              | Credential  | Has Participated in DTG Program | Competencies Mapped | URL   |
|---------------------------------|--|---------------------|--------------|--------|---------------------------------------|---|---------------------------------|---------------------|---|
| Computer Science                | Century College                              | White Bear Lake     | Yes, partial | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.century.edu/programs/computer-science">https://www.century.edu/programs/computer-science</a>   |
| Computer Science                | Inver Hills Community College                | Inver Grove Heights | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.inverhills.edu/DegreesAndPrograms/PPGs/2021-22/ComputerScience.pdf">https://www.inverhills.edu/DegreesAndPrograms/PPGs/2021-22/ComputerScience.pdf</a>   |
| Computer Science                | Minnesota West Community & Technical College | Worthington         | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.mnwest.edu/programs-courses/list/computer-science-as">https://www.mnwest.edu/programs-courses/list/computer-science-as</a>   |
| Computer Science                | North Hennepin Community College             | Brooklyn Park       | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.nhcc.edu/academic-programs/degrees-and-certificates/computer-science">https://www.nhcc.edu/academic-programs/degrees-and-certificates/computer-science</a>   |
| Computer Science                | Rochester Community and Technical College    | Rochester           | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.rctc.edu/program/comp/program-plans/">https://www.rctc.edu/program/comp/program-plans/</a>   |
| Computer Science                | St. Cloud State University                   | St. Cloud           | Yes, partial | Yes    | Four years                            | Bachelor's or baccalaureate degree normally requiring 3-5 | No                              | Pending             | <a href="https://www.stcloudstate.edu/programs/computer-science/default.aspx">https://www.stcloudstate.edu/programs/computer-science/default.aspx</a>   |
| Computer Science                | Bemidji State University                     | Bemidji             | No           | Yes    | Four years                            | Bachelor's or baccalaureate degree normally requiring 3-5 | No                              | Yes                 | <a href="https://www.bemidjistate.edu/academics/departments/mathematics-computer-science/computer-science/">https://www.bemidjistate.edu/academics/departments/mathematics-computer-science/computer-science/</a>   |
| Computer Science                | Minnesota State University Moorhead          | Moorhead            | No           | Yes    | Four years                            | Bachelor's or baccalaureate degree normally requiring 3-5 | No                              | Pending             | <a href="https://www.mnstate.edu/academics/majors/computer-science/">https://www.mnstate.edu/academics/majors/computer-science/</a>   |
| Computer Science                | Normandale Community College                 | Bloomington         | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="http://www.normandale.edu/catalog/programs-of-study/minnesota-state-transfer-pathway-degrees/computer-science-transfer-pathway-(as)-60-">http://www.normandale.edu/catalog/programs-of-study/minnesota-state-transfer-pathway-degrees/computer-science-transfer-pathway-(as)-60-</a>   |
| Computer Technology             | Normandale Community College                 | Bloomington         | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="http://www.normandale.edu/catalog/programs-of-study/associate-of-applied-science/computer-technology-(aas)-60-credits">http://www.normandale.edu/catalog/programs-of-study/associate-of-applied-science/computer-technology-(aas)-60-credits</a>   |
| Computer Technology             | Normandale Community College                 | Bloomington         | No           | Yes    | One Semester                          | Certificate   | No                              | Pending             | <a href="http://normandale.smartcatalogiq.com/2021-2022/Catalog/Programs-of-Study/Computer-Technology-Certificate">http://normandale.smartcatalogiq.com/2021-2022/Catalog/Programs-of-Study/Computer-Technology-Certificate</a>   |
| Computer Technology             | Riverland Community College                  | Albert Lea          | Yes, partial | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.riverland.edu/academics/programs/computer-technology-aas/description/">https://www.riverland.edu/academics/programs/computer-technology-aas/description/</a>   |
| Computer Technology             | Riverland Community College                  | Austin              | Yes, partial | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.riverland.edu/academics/programs/computer-technology-aas/description/">https://www.riverland.edu/academics/programs/computer-technology-aas/description/</a>   |
| Computer Technology             | Riverland Community College                  | Owatonna            | Yes, partial | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.riverland.edu/academics/programs/computer-technology-aas/description/">https://www.riverland.edu/academics/programs/computer-technology-aas/description/</a>   |
| Database Specialist Certificate | Minneapolis Community and Technical College  | Minneapolis         | No           | Yes    | Two Semesters                         | Certificate   | No                              | No                  | <a href="https://mctc.decisionacademic.com/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=2514&amp;topicid=3203&amp;loaduseredits=True&amp;ga=2.191618732.70598">https://mctc.decisionacademic.com/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=2514&amp;topicid=3203&amp;loaduseredits=True&amp;ga=2.191618732.70598</a> |
| Desktop Programming             | Dakota County Technical College              | Rosemount           | No           | Yes    | One Year                              | Certificate   | No                              | No                  | <a href="https://www.dctc.edu/academics/programs-majors/stem/software-development/">https://www.dctc.edu/academics/programs-majors/stem/software-development/</a>   |
| Information Systems             | South Central College                        | North Mankato       | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://southcentral.edu/Award/aas3275.html">https://southcentral.edu/Award/aas3275.html</a>   |
| Information Systems             | South Central College                        | North Mankato       | No           | Yes    | One to Two Years                      | Sub-bachelor's postsecondary award                        | No                              | Pending             | <a href="https://southcentral.edu/Award/dip3276.html">https://southcentral.edu/Award/dip3276.html</a>   |
| Internet Programming            | Century College                              | White Bear Lake     | Yes, partial | Yes    | One Semester                          | Certificate   | No                              | No                  | <a href="http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=2027&amp;returnto=443">http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=2027&amp;returnto=443</a>   |

**INFORMATION TECHNOLOGY — Software Developer**

| Program  | Training Institution                        | Location  | Online       | Credit     | Duration                              | Credential                                    | Has Participated in DTG Program | Competencies Mapped | URL   |
|--|---|---|--------------|------------|---------------------------------------|---|---------------------------------|---------------------|---|
| Java Certificate   | Minneapolis Community and Technical College | Minneapolis   | No           | Yes        | Two Semesters                         | Certificate                                   | No                              | No                  | <a href="https://mctc.decisionacademic.com/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=2514&amp;topicid=3204&amp;loadusercredits=True&amp;_ga=2.154738494.70598">https://mctc.decisionacademic.com/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=2514&amp;topicid=3204&amp;loadusercredits=True&amp;_ga=2.154738494.70598</a> |
| JAVA Computer Programmer                                 | Ridgewater College                          | Hutchinson  | Yes, partial | Yes        | One Semester                          | Certificate                                   | No                              | Pending             | <a href="https://ridgewater.edu/academics/areas-of-study/information-technology/computer-programming-program/">https://ridgewater.edu/academics/areas-of-study/information-technology/computer-programming-program/</a>   |
| JAVA Computer Programmer                                 | Ridgewater College                          | Willmar   | Yes, partial | Yes        | One Semester                          | Certificate                                   | No                              | Pending             | <a href="https://ridgewater.edu/academics/areas-of-study/information-technology/computer-programming-program/">https://ridgewater.edu/academics/areas-of-study/information-technology/computer-programming-program/</a>   |
| JAVA Programming Certificate                             | Saint Paul College                          | Saint Paul  | Yes, partial | Yes        | One Semester                          | Certificate                                   | No                              | Pending             | <a href="https://www.saintpaul.edu/programs/Pages/java-programming.aspx">https://www.saintpaul.edu/programs/Pages/java-programming.aspx</a>   |
| Microsoft MCSD : Web Applications Certification Training | CED Solutions                               | Bloomington, Duluth, Minneapolis, Rochester, St. Paul | No           | Non credit | 15 days                               | Certificate                                   | Yes                             | Pending             | <a href="https://www.cedsolutions.com/1042/certification/mcsd-web-applications-html5">https://www.cedsolutions.com/1042/certification/mcsd-web-applications-html5</a>   |
| Networking Services                                      | South Central College                       | North Mankato   | No           | Yes        | At least two but less than four years | Associate's degree such as AA, AS, and others | No                              | Pending             | <a href="https://southcentral.edu/Award/aas3277.html">https://southcentral.edu/Award/aas3277.html</a>   |
| Networking Services                                      | South Central College                       | North Mankato   | No           | Yes        | One to Two Years                      | Sub-bachelor's postsecondary award            | No                              | Pending             | <a href="https://southcentral.edu/Award/dip3278.html">https://southcentral.edu/Award/dip3278.html</a>   |
| Open Source Developer Certificate                        | Minneapolis Community and Technical College | Minneapolis   | No           | Yes        | Two Semesters                         | Certificate                                   | No                              | No                  | <a href="https://mctc.decisionacademic.com/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=2514&amp;topicid=3205&amp;loadusercredits=True&amp;_ga=2.191618732.70598">https://mctc.decisionacademic.com/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=2514&amp;topicid=3205&amp;loadusercredits=True&amp;_ga=2.191618732.70598</a> |
| Software Development                                     | Anoka Technical College                     | Anoka   | Yes, partial | Yes        | At least two but less than four years | Associate's degree such as AA, AS, and others | No                              | No                  | <a href="https://www.anokatech.edu/ProgramsCourses/InformationTechMgmt/SoftwareDevelopment.aspx">https://www.anokatech.edu/ProgramsCourses/InformationTechMgmt/SoftwareDevelopment.aspx</a>   |
| Software Development                                     | Anoka Technical College                     | Anoka   | Yes, partial | Yes        | One to two years                      | Sub-bachelor's postsecondary award            | No                              | No                  | <a href="https://www.anokatech.edu/ProgramsCourses/InformationTechMgmt/SoftwareDevelopment.aspx">https://www.anokatech.edu/ProgramsCourses/InformationTechMgmt/SoftwareDevelopment.aspx</a>   |
| Software Development                                     | Dakota County Technical College             | Rosemount   | No           | Yes        | At least two but less than four years | Associate's degree such as AA, AS, and others | No                              | No                  | <a href="https://www.dctc.edu/academics/programs-majors/stem/software-development/">https://www.dctc.edu/academics/programs-majors/stem/software-development/</a>   |
| Software Development                                     | Dakota County Technical College             | Rosemount   | No           | Yes        | One to Two Years                      | Sub-bachelor's postsecondary award            | No                              | No                  | <a href="https://www.dctc.edu/academics/programs-majors/stem/software-development/">https://www.dctc.edu/academics/programs-majors/stem/software-development/</a>   |
| Software Development                                     | Minneapolis Community and Technical College | Minneapolis   | No           | Yes        | At least two but less than four years | Associate's degree such as AA, AS, and others | No                              | No                  | <a href="https://mctc.decisionacademic.com/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=2514&amp;topicid=3199&amp;loadusercredits=True&amp;_ga=2.226119708.70598">https://mctc.decisionacademic.com/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=2514&amp;topicid=3199&amp;loadusercredits=True&amp;_ga=2.226119708.70598</a> |
| Software Development                                     | Minneapolis Community and Technical College | Minneapolis   | No           | Yes        | One to Two Years                      | Sub-bachelor's postsecondary award            | No                              | No                  | <a href="https://mctc.decisionacademic.com/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=2514&amp;topicid=3200&amp;loadusercredits=True&amp;_ga=2.154738494.70598">https://mctc.decisionacademic.com/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=2514&amp;topicid=3200&amp;loadusercredits=True&amp;_ga=2.154738494.70598</a> |
| Visual BASIC .NET Developer Certificate                  | Minneapolis Community and Technical College | Minneapolis   | No           | Yes        | Two Semesters                         | Certificate                                   | No                              | No                  | <a href="https://mctc.decisionacademic.com/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=2514&amp;topicid=3207&amp;loadusercredits=True&amp;_ga=2.154738494.70598">https://mctc.decisionacademic.com/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=2514&amp;topicid=3207&amp;loadusercredits=True&amp;_ga=2.154738494.70598</a> |
| Visual C# Developer Certificate                          | Minneapolis Community and Technical College | Minneapolis   | No           | Yes        | Two Semesters                         | Certificate                                   | No                              | No                  | <a href="https://mctc.decisionacademic.com/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=2514&amp;topicid=3206&amp;loadusercredits=True&amp;_ga=2.191618732.70598">https://mctc.decisionacademic.com/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=2514&amp;topicid=3206&amp;loadusercredits=True&amp;_ga=2.191618732.70598</a> |
| Web Programmer   | South Central College                       | North Mankato   | No           | Yes        | One Semester                          | Certificate                                   | No                              | Pending             | <a href="https://southcentral.edu/Award/cert3261.html">https://southcentral.edu/Award/cert3261.html</a>   |
| Web Programming  | Dakota County Technical College             | Rosemount   | No           | Yes        | One Year                              | Certificate                                   | No                              | No                  | <a href="https://www.dctc.edu/academics/programs-majors/stem/software-development/">https://www.dctc.edu/academics/programs-majors/stem/software-development/</a>   |
| Web Programming  | Ridgewater College                          | Hutchinson  | Yes, partial | Yes        | At least two but less than four years | Associate's degree such as AA, AS, and others | No                              | Pending             | <a href="https://www.ridgewater.edu/academics/areas-of-study/information-technology/web-developer-program/">https://www.ridgewater.edu/academics/areas-of-study/information-technology/web-developer-program/</a>   |



**INFORMATION TECHNOLOGY — Software Developer**

| Program         | Training Institution | Location   | Online       | Credit | Duration                              | Credential                                    | Has Participated in DTG Program | Competencies Mapped | URL   |
|-----------------|----------------------|------------|--------------|--------|---------------------------------------|---|---------------------------------|---------------------|---|
| Web Programming | Ridgewater College   | Hutchinson | Yes, partial | Yes    | One to Two Years                      | Sub-bachelor's postsecondary award            | No                              | Pending             | <a href="https://www.ridgewater.edu/academics/areas-of-study/information-technology/web-developer-program/">https://www.ridgewater.edu/academics/areas-of-study/information-technology/web-developer-program/</a> |
| Web Programming | Ridgewater College   | Willmar    | Yes, partial | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others | No                              | Pending             | <a href="https://www.ridgewater.edu/academics/areas-of-study/information-technology/web-developer-program/">https://www.ridgewater.edu/academics/areas-of-study/information-technology/web-developer-program/</a> |
| Web Programming | Ridgewater College   | Willmar    | Yes, partial | Yes    | One to Two Years                      | Sub-bachelor's postsecondary award            | No                              | Pending             | <a href="https://www.ridgewater.edu/academics/areas-of-study/information-technology/web-developer-program/">https://www.ridgewater.edu/academics/areas-of-study/information-technology/web-developer-program/</a> |

**INFORMATION TECHNOLOGY — Software Testing Quality Assurance Pathway**

| Program                                   | Training Institution                            | Location            | Online       | Credit | Duration                              | Credential  | Has Participated in DTG Program | Competencies Mapped | URL   |
|---|---|---------------------|--------------|--------|---------------------------------------|---|---------------------------------|---------------------|---|
| Computer - Management Information Systems | Saint Paul College                              | Saint Paul          | Yes, partial | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.saintpaul.edu/programs/Pages/management-information-systems.aspx">https://www.saintpaul.edu/programs/Pages/management-information-systems.aspx</a>   |
| Computer and Information Technology       | Minnesota West Community & Technical College    | Worthington         | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="http://www.mnwest.edu/programs-courses/list/computer-and-information-technology-aas">http://www.mnwest.edu/programs-courses/list/computer-and-information-technology-aas</a>   |
| Computer Information Science              | Minnesota West Community & Technical College    | Worthington         | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.mnwest.edu/programs-courses/list/computer-information-security-and-assurance-aas">https://www.mnwest.edu/programs-courses/list/computer-information-security-and-assurance-aas</a>                         |
| Computer Information Systems              | Alexandria Technical and Community College      | Alexandria          | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.alextech.edu/programs/computer-information-systems">https://www.alextech.edu/programs/computer-information-systems</a>   |
| Computer Information Systems              | Bemidji State University                        | Bemidji             | No           | Yes    | Four years                            | Bachelor's or baccalaureate degree normally requiring 3-5 | No                              | No                  | <a href="https://www.bemidjistate.edu/academics/departments/mathematics-computer-science/computer-science/">https://www.bemidjistate.edu/academics/departments/mathematics-computer-science/computer-science/</a>               |
| Computer Information Systems              | Rochester Community and Technical College       | Rochester           | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.rctc.edu/program/comp/program-plans/">https://www.rctc.edu/program/comp/program-plans/</a>   |
| Computer Information Systems              | Minnesota State University Moorhead             | Moorhead            | No           | Yes    | Four years                            | Bachelor's or baccalaureate degree normally requiring 3-5 | No                              | Pending             | <a href="https://www.mnstate.edu/academics/majors/computer-information-technology/">https://www.mnstate.edu/academics/majors/computer-information-technology/</a>   |
| Computer Information Technology           | Metropolitan State University                   | St. Paul            | No           | Yes    | Four years                            | Bachelor's or baccalaureate degree normally requiring 3-5 | No                              | Yes                 | <a href="https://www.metrostate.edu/academics/programs/computer-information">https://www.metrostate.edu/academics/programs/computer-information</a>   |
| Computer Information Technology           | Central Lakes College                           | Brainerd            | Yes, partial | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Yes                 | <a href="http://www.clcmn.edu/computer-information-technology-a-a-s-degree-2/">http://www.clcmn.edu/computer-information-technology-a-a-s-degree-2/</a>   |
| Computer Information Technology           | Minnesota State University Moorhead             | Moorhead            | No           | Yes    | Four years                            | Bachelor's or baccalaureate degree normally requiring 3-5 | No                              | Pending             | <a href="https://www.mnstate.edu/academics/majors/computer-information-technology/">https://www.mnstate.edu/academics/majors/computer-information-technology/</a>   |
| Computer Networking and Applications      | St. Cloud State University                      | St. Cloud           | Yes, partial | Yes    | Four years                            | Bachelor's or baccalaureate degree normally requiring 3-5 | No                              | Pending             | <a href="https://www.stcloudstate.edu/programs/computer-networking-applications/default.aspx">https://www.stcloudstate.edu/programs/computer-networking-applications/default.aspx</a>   |
| Computer Programmer                       | Inver Hills Community College                   | Inver Grove Heights | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.inverhills.edu/DegreesAndPrograms/PPGs/2021-22/ComputerScience.pdf#page=3">https://www.inverhills.edu/DegreesAndPrograms/PPGs/2021-22/ComputerScience.pdf#page=3</a>                                       |
| Computer Programmer                       | Ridgewater College                              | Hutchinson          | Yes, partial | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.ridgewater.edu/academics/areas-of-study/information-technology/computer-programming-program/">https://www.ridgewater.edu/academics/areas-of-study/information-technology/computer-programming-program/</a> |
| Computer Programmer                       | Ridgewater College                              | Willmar             | Yes, partial | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.ridgewater.edu/academics/areas-of-study/information-technology/computer-programming-program/">https://www.ridgewater.edu/academics/areas-of-study/information-technology/computer-programming-program/</a> |
| Computer Programmer                       | Ridgewater College                              | Hutchinson          | Yes, partial | Yes    | One to Two Years                      | Sub-bachelor's postsecondary award                        | No                              | Pending             | <a href="https://www.ridgewater.edu/academics/areas-of-study/information-technology/computer-programming-program/">https://www.ridgewater.edu/academics/areas-of-study/information-technology/computer-programming-program/</a> |
| Computer Programmer                       | Ridgewater College                              | Willmar             | Yes, partial | Yes    | One to Two Years                      | Sub-bachelor's postsecondary award                        | No                              | Pending             | <a href="https://www.ridgewater.edu/academics/areas-of-study/information-technology/computer-programming-program/">https://www.ridgewater.edu/academics/areas-of-study/information-technology/computer-programming-program/</a> |
| Computer Programming                      | Saint Paul College                              | Saint Paul          | Yes, partial | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.saintpaul.edu/programs/Pages/computer-programming.aspx">https://www.saintpaul.edu/programs/Pages/computer-programming.aspx</a>   |
| Computer Programming                      | Minnesota State Community and Technical College | Moorhead            | Yes, partial | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.minnesota.edu/programs_majors.php?prorg_code=165#/">https://www.minnesota.edu/programs_majors.php?prorg_code=165#/</a>   |
| Computer Programming                      | St. Cloud Technical and Community College       | St. Cloud           | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Yes                 | <a href="https://www.sctcc.edu/degrees-programs/computer-programming/computer-programmer-aas-71-credits">https://www.sctcc.edu/degrees-programs/computer-programming/computer-programmer-aas-71-credits</a>                     |

INFORMATION TECHNOLOGY — Software Testing Quality Assurance Pathway

| Program                         | Training Institution                         | Location            | Online       | Credit | Duration                              | Credential  | Has Participated in DTG Program | Competencies Mapped | URL   |
|---------------------------------|--|---------------------|--------------|--------|---------------------------------------|---|---------------------------------|---------------------|---|
| Computer Science                | Century College                              | White Bear Lake     | Yes, partial | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=2129&amp;returnto=443">http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=2129&amp;returnto=443</a>   |
| Computer Science                | Inver Hills Community College                | Inver Grove Heights | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.inverhills.edu/DegreesAndPrograms/PPGs/2021-22/ComputerScience.pdf">https://www.inverhills.edu/DegreesAndPrograms/PPGs/2021-22/ComputerScience.pdf</a>   |
| Computer Science                | Minnesota West Community & Technical College | Worthington         | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.mnwest.edu/programs-courses/list/computer-science-as">https://www.mnwest.edu/programs-courses/list/computer-science-as</a>   |
| Computer Science                | North Hennepin Community College             | Brooklyn Park       | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.nhcc.edu/academic-programs/degrees-and-certificates/computer-science">https://www.nhcc.edu/academic-programs/degrees-and-certificates/computer-science</a>   |
| Computer Science                | Rochester Community and Technical College    | Rochester           | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.rctc.edu/program/comp/program-plans/">https://www.rctc.edu/program/comp/program-plans/</a>   |
| Computer Science                | St. Cloud State University                   | St. Cloud           | Yes, partial | Yes    | Four years                            | Bachelor's or baccalaureate degree normally requiring 3-5 | No                              | Pending             | <a href="https://www.stcloudstate.edu/programs/computer-science/default.aspx">https://www.stcloudstate.edu/programs/computer-science/default.aspx</a>   |
| Computer Science                | Bemidji State University                     | Bemidji             | No           | Yes    | Four years                            | Bachelor's or baccalaureate degree normally requiring 3-5 | No                              | Yes                 | <a href="https://www.bemidjistate.edu/academics/departments/mathematics-computer-science/computer-science/">https://www.bemidjistate.edu/academics/departments/mathematics-computer-science/computer-science/</a>   |
| Computer Science                | Minnesota State University Moorhead          | Moorhead            | No           | Yes    | Four years                            | Bachelor's or baccalaureate degree normally requiring 3-5 | No                              | Pending             | <a href="https://www.mnstate.edu/academics/majors/computer-science/">https://www.mnstate.edu/academics/majors/computer-science/</a>   |
| Computer Science                | Normandale Community College                 | Bloomington         | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="http://www.normandale.edu/catalog/programs-of-study/minnesota-state-transfer-pathway-degrees/computer-science-transfer-pathway-(as)-60-">http://www.normandale.edu/catalog/programs-of-study/minnesota-state-transfer-pathway-degrees/computer-science-transfer-pathway-(as)-60-</a>   |
| Computer Technology             | Normandale Community College                 | Bloomington         | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="http://www.normandale.edu/catalog/programs-of-study/associate-of-applied-science/computer-technology-(aas)-60-credits">http://www.normandale.edu/catalog/programs-of-study/associate-of-applied-science/computer-technology-(aas)-60-credits</a>   |
| Computer Technology             | Riverland Community College                  | Albert Lea          | Yes, partial | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.riverland.edu/academics/programs/computer-technology-aas/description/">https://www.riverland.edu/academics/programs/computer-technology-aas/description/</a>   |
| Computer Technology             | Riverland Community College                  | Austin              | Yes, partial | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.riverland.edu/academics/programs/computer-technology-aas/description/">https://www.riverland.edu/academics/programs/computer-technology-aas/description/</a>   |
| Computer Technology             | Riverland Community College                  | Owatonna            | Yes, partial | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.riverland.edu/academics/programs/computer-technology-aas/description/">https://www.riverland.edu/academics/programs/computer-technology-aas/description/</a>   |
| Database Specialist Certificate | Minneapolis Community and Technical College  | Minneapolis         | No           | Yes    | Two Semesters                         | Certificate   | No                              | No                  | <a href="https://mctc.decisionacademic.com/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=2514&amp;topicid=3203&amp;loaduseredits=True&amp;_ga=2.153293630.70598">https://mctc.decisionacademic.com/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=2514&amp;topicid=3203&amp;loaduseredits=True&amp;_ga=2.153293630.70598</a> |
| Desktop Programming             | Dakota County Technical College              | Rosemount           | No           | Yes    | One Year                              | Certificate   | No                              | No                  | <a href="https://www.dctc.edu/academics/programs-majors/stem/software-development/">https://www.dctc.edu/academics/programs-majors/stem/software-development/</a>   |
| Information Systems             | South Central College                        | North Mankato       | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://southcentral.edu/Award/aas3275.html">https://southcentral.edu/Award/aas3275.html</a>   |
| Information Systems             | South Central College                        | North Mankato       | No           | Yes    | One to Two Years                      | Sub-bachelor's postsecondary award                        | No                              | Pending             | <a href="https://southcentral.edu/Award/dip3276.html">https://southcentral.edu/Award/dip3276.html</a>   |
| Internet Programming            | Century College                              | White Bear Lake     | Yes, partial | Yes    | One Semester                          | Certificate   | No                              | No                  | <a href="http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=2027&amp;returnto=443">http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=2027&amp;returnto=443</a>   |
| Java Certificate                | Minneapolis Community and Technical College  | Minneapolis         | No           | Yes    | Two Semesters                         | Certificate   | No                              | No                  | <a href="https://mctc.decisionacademic.com/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=2514&amp;topicid=3204&amp;loaduseredits=True&amp;_ga=2.200422312.70598">https://mctc.decisionacademic.com/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=2514&amp;topicid=3204&amp;loaduseredits=True&amp;_ga=2.200422312.70598</a> |

**INFORMATION TECHNOLOGY — Software Testing Quality Assurance Pathway**

| Program  | Training Institution                        | Location  | Online       | Credit     | Duration                              | Credential                                    | Has Participated in DTG Program | Competencies Mapped | URL   |
|--|---|---|--------------|------------|---------------------------------------|---|---------------------------------|---------------------|---|
| JAVA Computer Programmer                                 | Ridgewater College                          | Hutchinson  | Yes, partial | Yes        | One Semester                          | Certificate                                   | No                              | Pending             | <a href="https://ridgewater.edu/academics/areas-of-study/information-technology/computer-programming-program/">https://ridgewater.edu/academics/areas-of-study/information-technology/computer-programming-program/</a>   |
| JAVA Computer Programmer                                 | Ridgewater College                          | Willmar   | Yes, partial | Yes        | One Semester                          | Certificate                                   | No                              | Pending             | <a href="https://ridgewater.edu/academics/areas-of-study/information-technology/computer-programming-program/">https://ridgewater.edu/academics/areas-of-study/information-technology/computer-programming-program/</a>   |
| JAVA Programming Certificate                             | Saint Paul College                          | Saint Paul  | Yes, partial | Yes        | One Semester                          | Certificate                                   | No                              | Pending             | <a href="https://www.saintpaul.edu/programs/Pages/java-programming.aspx">https://www.saintpaul.edu/programs/Pages/java-programming.aspx</a>   |
| Microsoft MCSD : Web Applications Certification Training | CED Solutions                               | Bloomington, Duluth, Minneapolis, Rochester, St. Paul | No           | Non credit | 15 days                               | Certificate                                   | Yes                             | Pending             | <a href="https://www.cedsolutions.com/1042/certification/mcsd-web-applications-html5">https://www.cedsolutions.com/1042/certification/mcsd-web-applications-html5</a>   |
| Networking Services                                      | South Central College                       | North Mankato   | No           | Yes        | At least two but less than four years | Associate's degree such as AA, AS, and others | No                              | Pending             | <a href="https://southcentral.edu/Award/aas3277.html">https://southcentral.edu/Award/aas3277.html</a>   |
| Networking Services                                      | South Central College                       | North Mankato   | No           | Yes        | One to Two Years                      | Sub-bachelor's postsecondary award            | No                              | Pending             | <a href="https://southcentral.edu/Award/dip3278.html">https://southcentral.edu/Award/dip3278.html</a>   |
| Open Source Developer Certificate                        | Minneapolis Community and Technical College | Minneapolis   | No           | Yes        | Two Semesters                         | Certificate                                   | No                              | No                  | <a href="https://mctc.decisionacademic.com/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=2514&amp;topicid=3205&amp;loaduseredits=True&amp;_ga=2.153293630.70598">https://mctc.decisionacademic.com/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=2514&amp;topicid=3205&amp;loaduseredits=True&amp;_ga=2.153293630.70598</a> |
| Software Development                                     | Anoka Technical College                     | Anoka   | Yes, partial | Yes        | At least two but less than four years | Associate's degree such as AA, AS, and others | No                              | No                  | <a href="https://www.anokatech.edu/ProgramsCourses/InformationTechMgmt/SoftwareDevelopment.aspx">https://www.anokatech.edu/ProgramsCourses/InformationTechMgmt/SoftwareDevelopment.aspx</a>   |
| Software Development                                     | Anoka Technical College                     | Anoka   | Yes, partial | Yes        | One to two years                      | Sub-bachelor's postsecondary award            | No                              | No                  | <a href="https://www.anokatech.edu/ProgramsCourses/InformationTechMgmt/SoftwareDevelopment.aspx">https://www.anokatech.edu/ProgramsCourses/InformationTechMgmt/SoftwareDevelopment.aspx</a>   |
| Software Development                                     | Dakota County Technical College             | Rosemount   | No           | Yes        | At least two but less than four years | Associate's degree such as AA, AS, and others | No                              | No                  | <a href="https://www.dctc.edu/academics/programs-majors/stem/software-development/">https://www.dctc.edu/academics/programs-majors/stem/software-development/</a>   |
| Software Development                                     | Dakota County Technical College             | Rosemount   | No           | Yes        | One to Two Years                      | Sub-bachelor's postsecondary award            | No                              | No                  | <a href="https://www.dctc.edu/academics/programs-majors/stem/software-development/">https://www.dctc.edu/academics/programs-majors/stem/software-development/</a>   |
| Software Development                                     | Minneapolis Community and Technical College | Minneapolis   | No           | Yes        | At least two but less than four years | Associate's degree such as AA, AS, and others | No                              | No                  | <a href="https://mctc.decisionacademic.com/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=2514&amp;topicid=3199&amp;loaduseredits=True&amp;_ga=2.234494872.70598">https://mctc.decisionacademic.com/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=2514&amp;topicid=3199&amp;loaduseredits=True&amp;_ga=2.234494872.70598</a> |
| Software Development                                     | Minneapolis Community and Technical College | Minneapolis   | No           | Yes        | One to Two Years                      | Sub-bachelor's postsecondary award            | No                              | No                  | <a href="https://mctc.decisionacademic.com/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=2514&amp;topicid=3200&amp;loaduseredits=True&amp;_ga=2.234494872.70598">https://mctc.decisionacademic.com/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=2514&amp;topicid=3200&amp;loaduseredits=True&amp;_ga=2.234494872.70598</a> |
| Visual BASIC .NET Developer Certificate                  | Minneapolis Community and Technical College | Minneapolis   | No           | Yes        | Two Semesters                         | Certificate                                   | No                              | No                  | <a href="https://mctc.decisionacademic.com/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=2514&amp;topicid=3207&amp;loaduseredits=True&amp;_ga=2.200422312.70598">https://mctc.decisionacademic.com/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=2514&amp;topicid=3207&amp;loaduseredits=True&amp;_ga=2.200422312.70598</a> |
| Visual C# Developer Certificate                          | Minneapolis Community and Technical College | Minneapolis   | No           | Yes        | Two Semesters                         | Certificate                                   | No                              | No                  | <a href="https://mctc.decisionacademic.com/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=2514&amp;topicid=3206&amp;loaduseredits=True&amp;_ga=2.200422312.70598">https://mctc.decisionacademic.com/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=2514&amp;topicid=3206&amp;loaduseredits=True&amp;_ga=2.200422312.70598</a> |
| Web Programmer   | South Central College                       | North Mankato   | No           | Yes        | One Semester                          | Certificate                                   | No                              | Pending             | <a href="https://southcentral.edu/Award/cert3261.html">https://southcentral.edu/Award/cert3261.html</a>   |
| Web Programming  | Dakota County Technical College             | Rosemount   | No           | Yes        | One Year                              | Certificate                                   | No                              | No                  | <a href="https://www.dctc.edu/academics/programs-majors/stem/software-development/">https://www.dctc.edu/academics/programs-majors/stem/software-development/</a>   |
| Web Programming  | Ridgewater College                          | Hutchinson  | Yes, partial | Yes        | At least two but less than four years | Associate's degree such as AA, AS, and others | No                              | Pending             | <a href="https://www.ridgewater.edu/academics/areas-of-study/information-technology/web-developer-program/">https://www.ridgewater.edu/academics/areas-of-study/information-technology/web-developer-program/</a>   |
| Web Programming  | Ridgewater College                          | Hutchinson  | Yes, partial | Yes        | One to Two Years                      | Sub-bachelor's postsecondary award            | No                              | Pending             | <a href="https://www.ridgewater.edu/academics/areas-of-study/information-technology/web-developer-program/">https://www.ridgewater.edu/academics/areas-of-study/information-technology/web-developer-program/</a>   |

**INFORMATION TECHNOLOGY — Software Testing Quality Assurance Pathway**

| Program         | Training Institution | Location | Online       | Credit | Duration                              | Credential                                    | Has Participated in DTG Program | Competencies Mapped | URL   |
|-----------------|----------------------|----------|--------------|--------|---------------------------------------|---|---------------------------------|---------------------|---|
| Web Programming | Ridgewater College   | Willmar  | Yes, partial | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others | No                              | Pending             | <a href="https://www.ridgewater.edu/academics/areas-of-study/information-technology/web-developer-program/">https://www.ridgewater.edu/academics/areas-of-study/information-technology/web-developer-program/</a> |
| Web Programming | Ridgewater College   | Willmar  | Yes, partial | Yes    | One to Two Years                      | Sub-bachelor's postsecondary award            | No                              | Pending             | <a href="https://www.ridgewater.edu/academics/areas-of-study/information-technology/web-developer-program/">https://www.ridgewater.edu/academics/areas-of-study/information-technology/web-developer-program/</a> |

**INFORMATION TECHNOLOGY — Support Pathway**

| Program                                     | Training Institution                          | Location      | Online       | Credit | Duration                              | Credential  | Has Participated in DTG Program | Competencies Mapped | URL   |
|---|---|---------------|--------------|--------|---------------------------------------|---|---------------------------------|---------------------|---|
| Bioinformatics Foundations                  | Rochester Community and Technical College     | Rochester     | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others                 | No                              | Pending             | <a href="https://www.rctc.edu/program/comp/">https://www.rctc.edu/program/comp/</a>   |
| Cisco Certifications                        | Knowledge Peak                                | Bloomington   | No           | No     | 5 days - 8 weeks                      | Sub-bachelor's postsecondary award                            | Yes                             | Pending             | <a href="https://www.kpeak.com/training-certifications/cisco-training/">https://www.kpeak.com/training-certifications/cisco-training/</a>   |
| Cisco Certified Entry Networking Technician | Able Career Institute - IT Career Lab         | Golden Valley | No           | No     | 4 Weeks                               | Industry-recognized or professional association certification | Yes                             | Yes                 | <a href="https://www.itcareerlab.org/job-seekers/">https://www.itcareerlab.org/job-seekers/</a>   |
| Cisco Certified Network Associate           | Able Career Institute - IT Career Lab         | Golden Valley | No           | No     | 12 Weeks                              | Industry-recognized or professional association certification | Yes                             | Yes                 | <a href="https://www.itcareerlab.org/job-seekers/">https://www.itcareerlab.org/job-seekers/</a>   |
| Cisco Communications                        | New Horizons                                  | Eagan         | Online       | No     | One Semester                          | Certificate   | Yes                             | No                  | <a href="https://www.newhorizons.com/courses-and-certifications/technical-courses/cisco">https://www.newhorizons.com/courses-and-certifications/technical-courses/cisco</a>                                       |
| Cisco Network Administrator                 | Minneapolis Community and Technical College   | Minneapolis   | No           | Yes    | One Year                              | Sub-bachelor's postsecondary award                            | No                              | No                  | <a href="https://www.minneapolis.edu/computer-support-network-administration">https://www.minneapolis.edu/computer-support-network-administration</a>   |
| Cisco Network Technician                    | Hibbing Community College                     | Hibbing       | No           | Yes    | One Year                              | Sub-bachelor's postsecondary award                            | No                              | No                  | <a href="http://hibbing.edu/academics/areas-of-study/computer-it/cisco-network-technician">http://hibbing.edu/academics/areas-of-study/computer-it/cisco-network-technician</a>                                   |
| CompTIA Mobility +                          | New Horizons                                  | Eagan         | Online       | No     | One Semester                          | Certificate   | Yes                             | Pending             | <a href="https://www.newhorizons.com/courses-and-certifications/technical-courses/cisco">https://www.newhorizons.com/courses-and-certifications/technical-courses/cisco</a>                                       |
| Computer - Management Information Systems   | Saint Paul College                            | Saint Paul    | Yes, partial | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others                 | No                              | Pending             | <a href="https://www.saintpaul.edu/programs/Pages/management-information-systems.aspx">https://www.saintpaul.edu/programs/Pages/management-information-systems.aspx</a>   |
| Computer and Information Technology         | Minnesota West Community & Technical College  | Worthington   | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others                 | No                              | Pending             | <a href="http://www.mnwest.edu/programs-courses/list/computer-and-information-technology-aas">http://www.mnwest.edu/programs-courses/list/computer-and-information-technology-aas</a>                             |
| Computer and Information Technology (CSCI)  | Minnesota West Community & Technical College  | Worthington   | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others                 | No                              | Pending             | <a href="http://www.mnwest.edu/programs-courses/list/computer-and-information-technology-aas">http://www.mnwest.edu/programs-courses/list/computer-and-information-technology-aas</a>                             |
| Computer Assistant                          | South Central College                         | North Mankato | No           | Yes    | One Year                              | Sub-bachelor's postsecondary award                            | No                              | Pending             | <a href="https://southcentral.edu/Award/cert3279.html">https://southcentral.edu/Award/cert3279.html</a>   |
| Computer Engineering                        | St. Cloud State University                    | St. Cloud     | Yes, Partial | Yes    | Four years                            | Bachelor's or baccalaureate degree normally requiring 3-5     | No                              | Pending             | <a href="https://www.stcloudstate.edu/programs/computer-engineering/default.aspx">https://www.stcloudstate.edu/programs/computer-engineering/default.aspx</a>   |
| Computer Engineering Technology             | Minnesota State College - Southeast Technical | Winona        | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others                 | No                              | Yes                 | <a href="http://www.southeastmn.edu/academic_programs_program/default.aspx?pid=88">http://www.southeastmn.edu/academic_programs_program/default.aspx?pid=88</a>   |
| Computer Information Science                | Minnesota West Community & Technical College  | Worthington   | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others                 | No                              | Pending             | <a href="https://www.mnwest.edu/programs-courses/list/computer-science-aas">https://www.mnwest.edu/programs-courses/list/computer-science-aas</a>   |
| Computer Information Science (CSCI)         | Minnesota West Community & Technical College  | Worthington   | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others                 | No                              | Pending             | <a href="https://www.mnwest.edu/programs-courses/list/computer-specialist-aas">https://www.mnwest.edu/programs-courses/list/computer-specialist-aas</a>   |
| Computer Information Systems                | Alexandria Technical and Community College    | Alexandria    | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others                 | No                              | Pending             | <a href="https://www.alextech.edu/programs/computer-information-systems">https://www.alextech.edu/programs/computer-information-systems</a>   |
| Computer Information Systems                | Bemidji State University                      | Bemidji       | No           | Yes    | Four years                            | Bachelor's or baccalaureate degree normally requiring 3-5     | No                              | No                  | <a href="https://www.bemidjistate.edu/academics/departments/mathematics-computer-science/computer-science/">https://www.bemidjistate.edu/academics/departments/mathematics-computer-science/computer-science/</a> |
| Computer Information Systems                | Rochester Community and Tech College          | Rochester     | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others                 | No                              | No                  | <a href="https://www.rctc.edu/program/comp/">https://www.rctc.edu/program/comp/</a>   |

**INFORMATION TECHNOLOGY — Support Pathway**

| Program  | Training Institution                         | Location            | Online       | Credit | Duration                              | Credential  | Has Participated in DTG Program | Competencies Mapped | URL   |
|--|--|---------------------|--------------|--------|---------------------------------------|---|---------------------------------|---------------------|---|
| Computer Information Systems                           | Rochester Community and Technical College    | Rochester           | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.rctc.edu/program/comp/program-plans/">https://www.rctc.edu/program/comp/program-plans/</a>   |
| Computer Information Systems                           | Minnesota State University Moorhead          | Moorhead            | No           | Yes    | Four years                            | Bachelor's or baccalaureate degree normally requiring 3-5 | No                              | Pending             | <a href="https://www.mnstate.edu/academics/majors/computer-information-systems/">https://www.mnstate.edu/academics/majors/computer-information-systems/</a>   |
| Computer Information Systems                           | Rochester Community and Technical College    | Rochester           | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.rctc.edu/program/comp/">https://www.rctc.edu/program/comp/</a>   |
| Computer Information Systems (CSIS)                    | Minnesota State University Moorhead          | Moorhead            | No           | Yes    | Four years                            | Bachelor's or baccalaureate degree normally requiring 3-5 | No                              | Pending             | <a href="https://www.mnstate.edu/academics/majors/computer-information-systems/">https://www.mnstate.edu/academics/majors/computer-information-systems/</a>   |
| Computer Information Technology                        | Metropolitan State University                | St. Paul            | No           | Yes    | Four years                            | Bachelor's or baccalaureate degree normally requiring 3-5 | No                              | Yes                 | <a href="https://www.metrostate.edu/academics/programs/computer-information">https://www.metrostate.edu/academics/programs/computer-information</a>   |
| Computer Information Technology                        | Metropolitan State University                | St. Paul            | No           | Yes    | Four years                            | Bachelor's or baccalaureate degree normally requiring 3-5 | No                              | No                  | <a href="https://www.metrostate.edu/academics/programs/computer-information">https://www.metrostate.edu/academics/programs/computer-information</a>   |
| Computer Information Technology                        | Central Lakes College                        | Brainerd            | Yes, partial | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Yes                 | <a href="http://www.clcmn.edu/computer-information-technology-a-a-5-degree-2/">http://www.clcmn.edu/computer-information-technology-a-a-5-degree-2/</a>   |
| Computer Information Technology                        | Metropolitan State University                | St. Paul            | No           | No     | Four years                            | Bachelor's or baccalaureate degree normally requiring 3-5 | No                              | Yes                 | <a href="https://www.metrostate.edu/academics/programs/computer-information">https://www.metrostate.edu/academics/programs/computer-information</a>   |
| Computer Information Technology                        | Minnesota State University Moorhead          | Moorhead            | No           | Yes    | Four years                            | Bachelor's or baccalaureate degree normally requiring 3-5 | No                              | Pending             | <a href="https://www.mnstate.edu/academics/majors/computer-information-technology/">https://www.mnstate.edu/academics/majors/computer-information-technology/</a>   |
| Computer Information Technology (CSIS)                 | Minnesota State University Moorhead          | Moorhead            | No           | Yes    | Four years                            | Bachelor's or baccalaureate degree normally requiring 3-5 | No                              | Pending             | <a href="https://www.mnstate.edu/academics/majors/computer-information-technology/">https://www.mnstate.edu/academics/majors/computer-information-technology/</a>   |
| Computer Network Engineering                           | Saint Paul College                           | Saint Paul          | Yes, Partial | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.saintpaul.edu/programs/computer-networking-careers">https://www.saintpaul.edu/programs/computer-networking-careers</a>   |
| Computer Network Training - Advanced                   | Network Training Institute                   | Saint Paul          | Online       | No     | 18 weeks                              | Certificate   | No                              | No                  | <a href="https://networktraininginstitute.org/">https://networktraininginstitute.org/</a>   |
| Computer Network Training - Entry-May not still exist? | Network Training Institute                   | Saint Paul          | Online       | No     | 26 weeks                              | Sub-bachelor's postsecondary award                        | No                              | No                  | <a href="https://networktraininginstitute.org/">https://networktraininginstitute.org/</a>   |
| Computer Network Training - Intermediate               | Network Training Institute                   | Saint Paul          | Online       | No     | 26 weeks                              | Sub-bachelor's postsecondary award                        | No                              | No                  | <a href="https://networktraininginstitute.org/">https://networktraininginstitute.org/</a>   |
| Computer Networking and Applications                   | St. Cloud State University                   | St. Cloud           | Yes, partial | Yes    | Four years                            | Bachelor's or baccalaureate degree normally requiring 3-5 | No                              | Pending             | <a href="https://www.stcloudstate.edu/programs/computer-networking-applications/default.aspx">https://www.stcloudstate.edu/programs/computer-networking-applications/default.aspx</a>                                   |
| Computer Networking Specialist (CST)                   | Minnesota West Community & Technical College | Worthington         | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.mnwest.edu/programs/courses/list/computer-networking-technology-aas">https://www.mnwest.edu/programs/courses/list/computer-networking-technology-aas</a>   |
| Computer Programmer                                    | Inver Hills Community College                | Inver Grove Heights | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.inverhills.edu/DegreesAndPrograms/PPGs/2021-22/ComputerScience.pdf#page=3">https://www.inverhills.edu/DegreesAndPrograms/PPGs/2021-22/ComputerScience.pdf#page=3</a>                               |
| Computer Programmer                                    | Ridgewater College                           | Hutchinson          | Yes, partial | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://ridgewater.edu/academics/areas-of-study/information-technology/computer-programming-program/">https://ridgewater.edu/academics/areas-of-study/information-technology/computer-programming-program/</a> |
| Computer Programmer                                    | Ridgewater College                           | Willmar             | Yes, partial | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://ridgewater.edu/academics/areas-of-study/information-technology/computer-programming-program/">https://ridgewater.edu/academics/areas-of-study/information-technology/computer-programming-program/</a> |

INFORMATION TECHNOLOGY — Support Pathway

| Program              | Training Institution                            | Location            | Online       | Credit | Duration                              | Credential  | Has Participated in DTG Program | Competencies Mapped | URL   |
|----------------------|---|---------------------|--------------|--------|---------------------------------------|---|---------------------------------|---------------------|---|
| Computer Programmer  | Ridgewater College                              | Hutchinson          | Yes, partial | Yes    | One to Two Years                      | Sub-bachelor's postsecondary award                        | No                              | Pending             | <a href="https://ridgewater.edu/academics/areas-of-study/information-technology/computer-programming-program/">https://ridgewater.edu/academics/areas-of-study/information-technology/computer-programming-program/</a> |
| Computer Programmer  | Ridgewater College                              | Willmar             | Yes, partial | Yes    | One to Two Years                      | Sub-bachelor's postsecondary award                        | No                              | Pending             | <a href="https://ridgewater.edu/academics/areas-of-study/information-technology/computer-programming-program/">https://ridgewater.edu/academics/areas-of-study/information-technology/computer-programming-program/</a> |
| Computer Programming | Saint Paul College                              | Saint Paul          | Yes, partial | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.saintpaul.edu/programs/Pages/computer-programming.aspx">https://www.saintpaul.edu/programs/Pages/computer-programming.aspx</a>   |
| Computer Programming | Minnesota State Community and Technical College | Moorhead            | Yes, partial | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.minnesota.edu/programs_majors.php?prog_code=165#/">https://www.minnesota.edu/programs_majors.php?prog_code=165#/</a>   |
| Computer Programming | Saint Paul College                              | Saint Paul          | Yes, Partial | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.saintpaul.edu/programs/computer-programming">https://www.saintpaul.edu/programs/computer-programming</a>   |
| Computer Programming | St. Cloud Technical and Community College       | St. Cloud           | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Yes                 | <a href="https://www.sctcc.edu/degrees-programs/computer-programming/computer-programmer-aas-71-credits">https://www.sctcc.edu/degrees-programs/computer-programming/computer-programmer-aas-71-credits</a>             |
| Computer Science     | Inver Hills Community College                   | Inver Grove Heights | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.inverhills.edu/DegreesAndPrograms/ComputerScience/index.aspx">https://www.inverhills.edu/DegreesAndPrograms/ComputerScience/index.aspx</a>   |
| Computer Science     | Inver Hills Community College                   | Inver Grove Heights | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Yes                 | <a href="https://www.inverhills.edu/DegreesAndPrograms/ComputerScience/index.aspx">https://www.inverhills.edu/DegreesAndPrograms/ComputerScience/index.aspx</a>   |
| Computer Science     | Metropolitan State University                   | St. Paul            | No           | Yes    | Two Years                             | Professional Graduate Degree                              | No                              | No                  | <a href="https://www.metrostate.edu/academics/programs/computer-science-psm">https://www.metrostate.edu/academics/programs/computer-science-psm</a>   |
| Computer Science     | Metropolitan State University                   | St. Paul            | No           | Yes    | Two Years                             | Graduate Degree   | No                              | No                  | <a href="https://www.metrostate.edu/academics/programs/computer-science-ms">https://www.metrostate.edu/academics/programs/computer-science-ms</a>   |
| Computer Science     | Minneapolis Community and Technical College     | Minneapolis         | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.minneapolis.edu/computer-science">https://www.minneapolis.edu/computer-science</a>   |
| Computer Science     | Minnesota West Community & Technical College    | Worthington         | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="http://www.mnwest.edu/programs-courses/list/computer-science-as">http://www.mnwest.edu/programs-courses/list/computer-science-as</a>   |
| Computer Science     | North Hennepin Community College                | Brooklyn Park       | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.nhcc.edu/academic-programs/degrees-and-certificates/computer-science">https://www.nhcc.edu/academic-programs/degrees-and-certificates/computer-science</a>   |
| Computer Science     | Rochester Community and Technical College       | Rochester           | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.rctc.edu/program/comp/program-plans/">https://www.rctc.edu/program/comp/program-plans/</a>   |
| Computer Science     | St. Cloud State University                      | St. Cloud           | Yes, partial | Yes    | Four years                            | Bachelor's or baccalaureate degree normally requiring 3-5 | No                              | Pending             | <a href="https://www.stcloudstate.edu/programs/computer-science/default.aspx">https://www.stcloudstate.edu/programs/computer-science/default.aspx</a>   |
| Computer Science     | St. Cloud State University                      | St. Cloud           | Yes, Partial | Yes    | Four years                            | Bachelor's or baccalaureate degree normally requiring 3-5 | No                              | Pending             | <a href="https://www.stcloudstate.edu/programs/computer-science/default.aspx">https://www.stcloudstate.edu/programs/computer-science/default.aspx</a>   |
| Computer Science     | University of Minnesota                         | Minneapolis         | No           | Yes    | Four years                            | Bachelor's or baccalaureate degree normally requiring 3-5 | No                              |                     | <a href="https://onestop2.umn.edu/pcas/viewCatalogProgram.do?programID=127">https://onestop2.umn.edu/pcas/viewCatalogProgram.do?programID=127</a>   |
| Computer Science     | University of Minnesota                         | Morris              | No           | Yes    | Four years                            | Bachelor's or baccalaureate degree normally requiring 3-5 | No                              |                     | <a href="https://academics.morris.umn.edu/computer-science">https://academics.morris.umn.edu/computer-science</a>   |
| Computer Science     | Bemidji State University                        | Bemidji             | No           | Yes    | Four years                            | Bachelor's or baccalaureate degree normally requiring 3-5 | No                              | Yes                 | <a href="https://www.bemidjistate.edu/academics/departments/mathematics-computer-science/computer-science/">https://www.bemidjistate.edu/academics/departments/mathematics-computer-science/computer-science/</a>       |



**INFORMATION TECHNOLOGY — Support Pathway**

| Program  | Training Institution                         | Location        | Online       | Credit | Duration                              | Credential  | Has Participated in DTG Program | Competencies Mapped | URL   |
|--|--|-----------------|--------------|--------|---------------------------------------|---|---------------------------------|---------------------|---|
| Computer Science                                   | Minnesota State University Moorhead          | Moorhead        | No           | Yes    | Four years                            | Bachelor's or baccalaureate degree normally requiring 3-5 | No                              | Pending             | <a href="https://www.mnstate.edu/academics/majors/computer-science/">https://www.mnstate.edu/academics/majors/computer-science/</a>   |
| Computer Science                                   | Normandale Community College                 | Bloomington     | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="http://www.normandale.edu/catalog/programs-of-study/minnesota-state-transfer-pathway-degrees/computer-science-transfer-pathway-(as)-60-">http://www.normandale.edu/catalog/programs-of-study/minnesota-state-transfer-pathway-degrees/computer-science-transfer-pathway-(as)-60-</a>   |
| Computer Science (CSCI)                            | Century College                              | White Bear Lake | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.century.edu/programs/computer-science">https://www.century.edu/programs/computer-science</a>   |
| Computer Science (CSCI)                            | Minnesota West Community & Technical College | Worthington     | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="http://www.mnwest.edu/programs-courses/list/computer-science-aa">http://www.mnwest.edu/programs-courses/list/computer-science-aa</a>   |
| Computer Science (CSCI)                            | Minnesota West Community & Technical College | Worthington     | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="http://www.mnwest.edu/programs-courses/list/computer-science-as">http://www.mnwest.edu/programs-courses/list/computer-science-as</a>   |
| Computer Science (CSCI)                            | Normandale Community College                 | Bloomington     | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="http://www.normandale.edu/catalog/programs-of-study/minnesota-state-transfer-pathway-degrees/computer-science-transfer-pathway-(as)-60-">http://www.normandale.edu/catalog/programs-of-study/minnesota-state-transfer-pathway-degrees/computer-science-transfer-pathway-(as)-60-</a>   |
| Computer Science (CSIS)                            | Minnesota State University Moorhead          | Moorhead        | No           | Yes    | Four years                            | Bachelor's or baccalaureate degree normally requiring 3-5 | No                              | Pending             | <a href="https://www.mnstate.edu/academics/majors/computer-science/">https://www.mnstate.edu/academics/majors/computer-science/</a>   |
| Computer Science Transfer Pathway                  | North Hennepin Community College             | Brooklyn Park   | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Yes                 | <a href="https://www.nhcc.edu/academic-programs/degrees-and-certificates/computer-science/computer-science-transfer-pathway-as">https://www.nhcc.edu/academic-programs/degrees-and-certificates/computer-science/computer-science-transfer-pathway-as</a>   |
| Computer Science Transfer Pathway                  | Saint Paul College                           | Saint Paul      | Yes, Partial | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | No                  | <a href="https://www.saintpaul.edu/programs/Pages/computer-science.aspx">https://www.saintpaul.edu/programs/Pages/computer-science.aspx</a>   |
| Computer Software Development (ITEC)               | Minneapolis Community and Technical College  | Minneapolis     | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.minneapolis.edu/computer-software-development">https://www.minneapolis.edu/computer-software-development</a>   |
| Computer Specialist                                | Minnesota West Community & Technical College | Worthington     | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="http://www.mnwest.edu/programs-courses/list/computer-specialist-aas">http://www.mnwest.edu/programs-courses/list/computer-specialist-aas</a>   |
| Computer Support                                   | Northwest Technical College                  | Bemidji         | No           | Yes    | One Semester                          | Sub-bachelor's postsecondary award                        | No                              |                     | <a href="https://www.ntcmn.edu/career-paths/business/computer-support/">https://www.ntcmn.edu/career-paths/business/computer-support/</a>   |
| Computer Support - Computer Maintenance & Repair   | Minnesota West Community & Technical College | Granite Falls   | No           | Yes    | One Year                              | Sub-bachelor's postsecondary award                        | No                              | No                  | <a href="http://www.mnwest.edu/programs-courses/list/computer-support-computer-maintenance-a-repair-certificate">http://www.mnwest.edu/programs-courses/list/computer-support-computer-maintenance-a-repair-certificate</a>   |
| Computer Support - Computer Maintenance & Repair   | Minnesota West Community & Technical College | Jackson         | No           | Yes    | One Year                              | Sub-bachelor's postsecondary award                        | No                              | No                  | <a href="http://www.mnwest.edu/programs-courses/list/computer-support-computer-maintenance-a-repair-certificate">http://www.mnwest.edu/programs-courses/list/computer-support-computer-maintenance-a-repair-certificate</a>   |
| Computer Support and Network Administration (ITEC) | Minneapolis Community and Technical College  | Minneapolis     | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.minneapolis.edu/computer-support-network-administration">https://www.minneapolis.edu/computer-support-network-administration</a>   |
| Computer Support and Network Administrator         | Minneapolis Community and Technical College  | Minneapolis     | No           | Yes    | At least two but less than four years | Sub-bachelor's postsecondary award                        | No                              | No                  | <a href="https://mtc.decisionacademic.com/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=2515&amp;topicid=3211&amp;loaduseredits=True&amp;ga=2.220339998.70598">https://mtc.decisionacademic.com/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=2515&amp;topicid=3211&amp;loaduseredits=True&amp;ga=2.220339998.70598</a> |
| Computer Support Specialist                        | Central Lakes College                        | Brainerd        | No           | Yes    | Two Years                             | Sub-bachelor's postsecondary award                        | No                              | No                  | <a href="http://www.clcmn.edu/computer-support-specialist-diploma-2/#1506450587743-111f9b93-f9a2a5c3-e10f31d5-30e7168c-ba6e8221-56fd1215-cca2">http://www.clcmn.edu/computer-support-specialist-diploma-2/#1506450587743-111f9b93-f9a2a5c3-e10f31d5-30e7168c-ba6e8221-56fd1215-cca2</a>   |
| Computer Support Technician                        | Minnesota West Community & Technical College | Granite Falls   | No           | Yes    | At least two but less than four years | Sub-bachelor's postsecondary award                        | No                              | No                  | <a href="http://www.mnwest.edu/programs-courses/list/computer-support-technician-diploma">http://www.mnwest.edu/programs-courses/list/computer-support-technician-diploma</a>   |
| Computer Support Technician                        | Ridgewater College                           | Willmar         | Yes          | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | No                  | <a href="https://www.ridgewater.edu/academics/areas-of-study/information-technology/computer-support-technician-program/">https://www.ridgewater.edu/academics/areas-of-study/information-technology/computer-support-technician-program/</a>   |

**INFORMATION TECHNOLOGY — Support Pathway**

| Program                                | Training Institution                        | Location        | Online       | Credit | Duration                              | Credential                                    | Has Participated in DTG Program | Competencies Mapped | URL   |
|--|---|-----------------|--------------|--------|---------------------------------------|---|---------------------------------|---------------------|---|
| Computer Support Technician            | Ridgewater College                          | Hutchinson      | Yes          | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others | No                              |                     | <a href="https://www.ridgewater.edu/academics/areas-of-study/information-technology/computer-support-technician-program/">https://www.ridgewater.edu/academics/areas-of-study/information-technology/computer-support-technician-program/</a>   |
| Computer Support Technician            | Ridgewater College                          | Willmar         | Yes          | Yes    | At least two but less than four years | Sub-bachelor's postsecondary award            | No                              |                     | <a href="https://www.ridgewater.edu/academics/areas-of-study/information-technology/computer-support-technician-program/">https://www.ridgewater.edu/academics/areas-of-study/information-technology/computer-support-technician-program/</a>   |
| Computer Support Technician            | Ridgewater College                          | Hutchinson      | Yes          | Yes    | At least two but less than four years | Sub-bachelor's postsecondary award            | No                              |                     | <a href="https://www.ridgewater.edu/academics/areas-of-study/information-technology/computer-support-technician-program/">https://www.ridgewater.edu/academics/areas-of-study/information-technology/computer-support-technician-program/</a>   |
| Computer Technology                    | Normandale Community College                | Bloomington     | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others | No                              | Pending             | <a href="http://www.normandale.edu/catalog/programs-of-study/associate-of-applied-science/computer-technology-(aas)~60-credits">http://www.normandale.edu/catalog/programs-of-study/associate-of-applied-science/computer-technology-(aas)~60-credits</a>   |
| Computer Technology                    | Normandale Community College                | Bloomington     | No           | Yes    | One Semester                          | Certificate                                   | No                              | Pending             | <a href="http://normandale.smartcatalogiq.com/2021-2022/Catalog/Programs-of-Study/Computer-Technology-Certificate">http://normandale.smartcatalogiq.com/2021-2022/Catalog/Programs-of-Study/Computer-Technology-Certificate</a>   |
| Computer Technology                    | Riverland Community College                 | Albert Lea      | Yes, partial | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others | No                              | Pending             | <a href="https://www.riverland.edu/academics/programs/computer-technology-aas/description/">https://www.riverland.edu/academics/programs/computer-technology-aas/description/</a>   |
| Computer Technology                    | Riverland Community College                 | Austin          | Yes, partial | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others | No                              | Pending             | <a href="https://www.riverland.edu/academics/programs/computer-technology-aas/description/">https://www.riverland.edu/academics/programs/computer-technology-aas/description/</a>   |
| Computer Technology                    | Riverland Community College                 | Owatonna        | Yes, partial | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others | No                              | Pending             | <a href="https://www.riverland.edu/academics/programs/computer-technology-aas/description/">https://www.riverland.edu/academics/programs/computer-technology-aas/description/</a>   |
| Computer Technology                    | Riverland Community College                 | Albert Lea      | Yes          | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others | No                              | Yes                 | <a href="https://www.riverland.edu/academics/programs/computer-technology-aas/description/">https://www.riverland.edu/academics/programs/computer-technology-aas/description/</a>   |
| Computer Technology                    | Riverland Community College                 | Austin          | Yes          | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others | No                              |                     | <a href="https://www.riverland.edu/academics/programs/computer-technology-aas/description/">https://www.riverland.edu/academics/programs/computer-technology-aas/description/</a>   |
| Computer Technology                    | Riverland Community College                 | Owatonna        | Yes          | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others | No                              |                     | <a href="https://www.riverland.edu/academics/programs/computer-technology-aas/description/">https://www.riverland.edu/academics/programs/computer-technology-aas/description/</a>   |
| Computer Technology (COMP)             | Central Lakes College                       | Brainerd/Online | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others | No                              | Yes                 | <a href="http://www.clcmn.edu/computer-information-technology-a-a-s-degree-2/">http://www.clcmn.edu/computer-information-technology-a-a-s-degree-2/</a>   |
| Computers/Information Management (CIM) | Normandale Community College                | Bloomington     | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others | No                              | Pending             | <a href="http://www.normandale.edu/catalog/programs-of-study/associate-of-applied-science/computers/information-management-(aas)~60-credits">http://www.normandale.edu/catalog/programs-of-study/associate-of-applied-science/computers/information-management-(aas)~60-credits</a>   |
| Database Administrator                 | Minneapolis Community and Technical College | Minneapolis     | No           | Yes    | One Year                              | Sub-bachelor's postsecondary award            | No                              | No                  | <a href="https://www.minneapolis.edu/computer-support-network-administration">https://www.minneapolis.edu/computer-support-network-administration</a>   |
| Database Specialist Certificate        | Minneapolis Community and Technical College | Minneapolis     | No           | Yes    | Two Semesters                         | Certificate                                   | No                              | No                  | <a href="https://mctc.decisionacademic.com/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=2514&amp;topicid=3203&amp;loadusercredits=True&amp;_ga=2.158103356.70598">https://mctc.decisionacademic.com/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=2514&amp;topicid=3203&amp;loadusercredits=True&amp;_ga=2.158103356.70598</a> |
| Desktop Programming                    | Dakota County Technical College             | Rosemount       | No           | Yes    | One Year                              | Certificate                                   | No                              | No                  | <a href="https://www.dctc.edu/academics/programs-majors/stem/software-development/desktop-programming-certificate/">https://www.dctc.edu/academics/programs-majors/stem/software-development/desktop-programming-certificate/</a>   |
| Emerging Computer Technology           | Northwest Technical College                 | Bemidji         | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others | No                              | Yes                 | <a href="https://www.ntcmn.edu/career-paths/business/computer-support/degrees-credentials/aas-e-emerging-computer-technology/">https://www.ntcmn.edu/career-paths/business/computer-support/degrees-credentials/aas-e-emerging-computer-technology/</a>   |
| Helpdesk Technician                    | Ridgewater College                          | Willmar         | Yes          | Yes    | One Year                              | Sub-bachelor's postsecondary award            | No                              |                     | <a href="https://www.ridgewater.edu/academics/areas-of-study/information-technology/computer-support-technician-program/">https://www.ridgewater.edu/academics/areas-of-study/information-technology/computer-support-technician-program/</a>   |
| Helpdesk Technician                    | Ridgewater College                          | Hutchinson      | Yes          | Yes    | One Year                              | Sub-bachelor's postsecondary award            | No                              |                     | <a href="https://www.ridgewater.edu/academics/areas-of-study/information-technology/computer-support-technician-program/">https://www.ridgewater.edu/academics/areas-of-study/information-technology/computer-support-technician-program/</a>   |

**INFORMATION TECHNOLOGY — Support Pathway**

| Program                                       | Training Institution                          | Location        | Online       | Credit | Duration                              | Credential  | Has Participated in DTG Program | Competencies Mapped | URL   |
|---|---|-----------------|--------------|--------|---------------------------------------|---|---------------------------------|---------------------|---|
| Information and Telecommunications Technology | Century College                               | White Bear Lake | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | No                  | <a href="https://www.century.edu/programs/information-and-telecommunications-technology">https://www.century.edu/programs/information-and-telecommunications-technology</a>   |
| Information Systems                           | South Central College                         | North Mankato   | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://southcentral.edu/Award/aas3275.html">https://southcentral.edu/Award/aas3275.html</a>   |
| Information Systems                           | South Central College                         | North Mankato   | No           | Yes    | One to Two Years                      | Sub-bachelor's postsecondary award                        | No                              | Pending             | <a href="https://southcentral.edu/Award/dip3276.html">https://southcentral.edu/Award/dip3276.html</a>   |
| Information Systems                           | St. Cloud State University                    | St. Cloud       | No           | Yes    | Four years                            | bachelor's or baccalaureate degree normally requiring 3-5 | No                              | Pending             | <a href="https://www.stcloudstate.edu/programs/information-systems/default.aspx">https://www.stcloudstate.edu/programs/information-systems/default.aspx</a>   |
| Information Technology Management             | Anoka Technical College                       | Anoka           | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Yes                 | <a href="http://www.anokatech.edu/~link.aspx?id=2A3C751E494647D0BA43C911CAF62BB8&amp;z=2">http://www.anokatech.edu/~link.aspx?id=2A3C751E494647D0BA43C911CAF62BB8&amp;z=2</a>   |
| Internet Programming                          | Century College                               | White Bear Lake | Yes, partial | Yes    | One Semester                          | Certificate   | No                              | No                  | <a href="http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=2027&amp;returnto=443">http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=2027&amp;returnto=443</a>   |
| IT Networking and Security                    | Hibbing Community College                     | Hibbing         | No           | Yes    | Two Years                             | Sub-bachelor's postsecondary award                        | No                              | Pending             | <a href="http://hibbing.edu/academics/areas-of-study/computer-it/it-networking-and-security">http://hibbing.edu/academics/areas-of-study/computer-it/it-networking-and-security</a>   |
| IT Service Desk Technician                    | Hennepin Technical College                    | Brooklyn Park   | No           | Yes    | One Year                              | Sub-bachelor's postsecondary award                        | No                              | Yes                 | <a href="https://hennepintech.smartcatalogiq.com/z020-2021/Catalog/Degrees-and-Programs/Business-and-Information-Technology/Information-Technology/IT-">https://hennepintech.smartcatalogiq.com/z020-2021/Catalog/Degrees-and-Programs/Business-and-Information-Technology/Information-Technology/IT-</a>   |
| IT Service Desk Technician                    | Hennepin Technical College                    | Eden Prairie    | No           | Yes    | One Year                              | Sub-bachelor's postsecondary award                        | No                              | No                  | <a href="https://hennepintech.smartcatalogiq.com/z020-2021/Catalog/Degrees-and-Programs/Business-and-Information-Technology/Information-Technology/IT-">https://hennepintech.smartcatalogiq.com/z020-2021/Catalog/Degrees-and-Programs/Business-and-Information-Technology/Information-Technology/IT-</a>   |
| IT Support                                    | Minnesota State College - Southeast Technical | Red Wing        | Yes          | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | No                  | <a href="http://www.southeastmn.edu/academic_programs/_program/Default.aspx?pid=14">http://www.southeastmn.edu/academic_programs/_program/Default.aspx?pid=14</a>   |
| IT Support                                    | Minnesota State College - Southeast Technical | Red Wing        | Yes          | Yes    | At least two but less than four years | Sub-bachelor's postsecondary award                        | No                              | No                  | <a href="http://www.southeastmn.edu/academic_programs/_program/Default.aspx?pid=14">http://www.southeastmn.edu/academic_programs/_program/Default.aspx?pid=14</a>   |
| IT Support Associate                          | Hennepin Technical College                    | Brooklyn Park   | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | No                  | <a href="https://hennepintech.smartcatalogiq.com/en/z020-2021/Catalog/Degrees-and-Programs/Business-and-Information-Technology/Information-Technology/IT-">https://hennepintech.smartcatalogiq.com/en/z020-2021/Catalog/Degrees-and-Programs/Business-and-Information-Technology/Information-Technology/IT-</a>   |
| IT Support Associate                          | Hennepin Technical College                    | Eden Prairie    | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | No                  | <a href="https://hennepintech.smartcatalogiq.com/en/z020-2021/Catalog/Degrees-and-Programs/Business-and-Information-Technology/Information-Technology/IT-">https://hennepintech.smartcatalogiq.com/en/z020-2021/Catalog/Degrees-and-Programs/Business-and-Information-Technology/Information-Technology/IT-</a>   |
| IT Support Specialist                         | Hennepin Technical College                    | Brooklyn Park   | No           | Yes    | Two Years                             | Sub-bachelor's postsecondary award                        | No                              | No                  | <a href="https://hennepintech.smartcatalogiq.com/z020-2021/Catalog/Degrees-and-Programs/Business-and-Information-Technology/Information-Technology/IT-">https://hennepintech.smartcatalogiq.com/z020-2021/Catalog/Degrees-and-Programs/Business-and-Information-Technology/Information-Technology/IT-</a>   |
| IT Support Specialist                         | Hennepin Technical College                    | Eden Prairie    | No           | Yes    | Two Years                             | Sub-bachelor's postsecondary award                        | No                              | No                  | <a href="https://hennepintech.smartcatalogiq.com/z020-2021/Catalog/Degrees-and-Programs/Business-and-Information-Technology/Information-Technology/IT-">https://hennepintech.smartcatalogiq.com/z020-2021/Catalog/Degrees-and-Programs/Business-and-Information-Technology/Information-Technology/IT-</a>   |
| ITIL Foundation                               | People Cert - Pearson Vue                     | Online          | Yes          | No     | One Semester                          | Certificate   | Yes                             |                     | <a href="https://www.peoplecert.org/en/browse-certifications/it-governance-and-service-management/ITIL-1/itil-foundation-476">https://www.peoplecert.org/en/browse-certifications/it-governance-and-service-management/ITIL-1/itil-foundation-476</a>   |
| Java Certificate                              | Minneapolis Community and Technical College   | Minneapolis     | No           | Yes    | Two Semesters                         | Certificate   | No                              | No                  | <a href="https://mctc.decisionacademic.com/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=2514&amp;topicid=3204&amp;loaduserredits=True&amp;ga=2.263992202.70598">https://mctc.decisionacademic.com/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=2514&amp;topicid=3204&amp;loaduserredits=True&amp;ga=2.263992202.70598</a> |
| JAVA Computer Programmer                      | Ridgewater College                            | Hutchinson      | Yes, partial | Yes    | One Semester                          | Certificate   | No                              | Pending             | <a href="https://ridgewater.edu/academics/areas-of-study/information-technology/computer-programming-program/">https://ridgewater.edu/academics/areas-of-study/information-technology/computer-programming-program/</a>   |
| JAVA Computer Programmer                      | Ridgewater College                            | Willmar         | Yes, partial | Yes    | One Semester                          | Certificate   | No                              | Pending             | <a href="https://ridgewater.edu/academics/areas-of-study/information-technology/computer-programming-program/">https://ridgewater.edu/academics/areas-of-study/information-technology/computer-programming-program/</a>   |

**INFORMATION TECHNOLOGY — Support Pathway**

| Program  | Training Institution                          | Location  | Online       | Credit     | Duration                              | Credential                                    | Has Participated in DTG Program | Competencies Mapped | URL   |
|--|---|---|--------------|------------|---------------------------------------|---|---------------------------------|---------------------|---|
| JAVA Programming Certificate                                     | Saint Paul College                            | Saint Paul  | Yes, partial | Yes        | One Semester                          | Certificate                                   | No                              | Pending             | <a href="https://www.saintpaul.edu/programs/Pages/java-programming.aspx">https://www.saintpaul.edu/programs/Pages/java-programming.aspx</a>   |
| Linux Network Administrator                                      | Minneapolis Community and Technical College   | Minneapolis   | No           | Yes        | One Year                              | Sub-bachelor's postsecondary award            | No                              | No                  | <a href="https://mctc.decisionacademic.com/Catalog/viewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=2515&amp;topicid=3216&amp;loadusercredits=True&amp;_ga=2.263992202.70598">https://mctc.decisionacademic.com/Catalog/viewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=2515&amp;topicid=3216&amp;loadusercredits=True&amp;_ga=2.263992202.70598</a> |
| Management Information Systems                                   | Saint Paul College                            | Saint Paul  | Yes, Partial | Yes        | At least two but less than four years | Associate's degree such as AA, AS, and others | No                              | Pending             | <a href="https://www.saintpaul.edu/programs/management-information-systems">https://www.saintpaul.edu/programs/management-information-systems</a>   |
| Microsoft MCSA : Web Applications Certification Training         | CED Solutions                                 | Bloomington, Duluth, Minneapolis, Rochester, St. Paul | No           | Non credit | 15 days                               | Certificate                                   | Yes                             | Pending             | <a href="https://www.cedsolutions.com/1042/certification/mcsd-web-applications-html5">https://www.cedsolutions.com/1042/certification/mcsd-web-applications-html5</a>   |
| Microsoft SharePoint Server 2010/CompTIA Mobility+ Certification | New Horizons                                  | Eagan   | Online       | No         | 16 hours                              | Certificate                                   | Yes                             | Pending             | <a href="https://www.newhorizons.com/courses-and-certifications/technical-courses/cisco">https://www.newhorizons.com/courses-and-certifications/technical-courses/cisco</a>   |
| Network Administration   | Saint Paul College                            | Saint Paul  | Yes, Partial | Yes        | One Year                              | Sub-bachelor's postsecondary award            | No                              | No                  | <a href="https://www.saintpaul.edu/programs/computer-networking-careers">https://www.saintpaul.edu/programs/computer-networking-careers</a>   |
| Network Administration   | South Central College                         | North Mankato   | No           | Yes        | One Year                              | Sub-bachelor's postsecondary award            | No                              | Pending             | <a href="https://southcentral.edu/Award/cert3297.html">https://southcentral.edu/Award/cert3297.html</a>   |
| Network Administration   | St. Cloud Technical and Community College     | St. Cloud   | No           | Yes        | At least two but less than four years | Associate's degree such as AA, AS, and others | No                              |                     | <a href="https://www.sctcc.edu/degrees-programs/information-technology-infrastructure/network-administration-aas-60-credits">https://www.sctcc.edu/degrees-programs/information-technology-infrastructure/network-administration-aas-60-credits</a>   |
| Network Administration & Technology                              | Minnesota State College - Southeast Technical | Winona  | No           | Yes        | At least two but less than four years | Associate's degree such as AA, AS, and others | No                              | Pending             | <a href="http://www.southeastmn.edu/academic_programs/_program/Default.aspx?pid=22">http://www.southeastmn.edu/academic_programs/_program/Default.aspx?pid=22</a>   |
| Network Administration & Technology                              | Minnesota State College - Southeast Technical | Winona  | No           | Yes        | One Year                              | Sub-bachelor's postsecondary award            | No                              | Pending             | <a href="http://www.southeastmn.edu/academic_programs/_program/Default.aspx?pid=22">http://www.southeastmn.edu/academic_programs/_program/Default.aspx?pid=22</a>   |
| Network Administration & Technology - Microsoft                  | Minnesota State College - Southeast Technical | Winona  | No           | Yes        | One Semester                          | Sub-bachelor's postsecondary award            | No                              | Pending             | <a href="http://www.southeastmn.edu/academic_programs/_program/Default.aspx?pid=22">http://www.southeastmn.edu/academic_programs/_program/Default.aspx?pid=22</a>   |
| Network Systems Administration                                   | Ridgewater College                            | Willmar   | Yes          | Yes        | At least two but less than four years | Associate's degree such as AA, AS, and others | No                              | Yes                 | <a href="https://www.ridgewater.edu/academics/areas-of-study/information-technology/network-systems-administrator-program/">https://www.ridgewater.edu/academics/areas-of-study/information-technology/network-systems-administrator-program/</a>   |
| Network Systems Administration                                   | Ridgewater College                            | Hutchinson  | Yes          | Yes        | At least two but less than four years | Associate's degree such as AA, AS, and others | No                              |                     | <a href="https://www.ridgewater.edu/academics/areas-of-study/information-technology/network-systems-administrator-program/">https://www.ridgewater.edu/academics/areas-of-study/information-technology/network-systems-administrator-program/</a>   |
| Network Systems Administration                                   | Ridgewater College                            | Willmar   | Yes          | Yes        | At least two but less than four years | Sub-bachelor's postsecondary award            | No                              |                     | <a href="https://www.ridgewater.edu/academics/areas-of-study/information-technology/network-systems-administrator-program/">https://www.ridgewater.edu/academics/areas-of-study/information-technology/network-systems-administrator-program/</a>   |
| Network Systems Administration                                   | Ridgewater College                            | Hutchinson  | Yes          | Yes        | At least two but less than four years | Sub-bachelor's postsecondary award            | No                              |                     | <a href="https://www.ridgewater.edu/academics/areas-of-study/information-technology/network-systems-administrator-program/">https://www.ridgewater.edu/academics/areas-of-study/information-technology/network-systems-administrator-program/</a>   |
| Networking Services  | South Central College                         | North Mankato   | No           | Yes        | At least two but less than four years | Associate's degree such as AA, AS, and others | No                              | Pending             | <a href="https://southcentral.edu/Award/aas3277.html">https://southcentral.edu/Award/aas3277.html</a>   |
| Networking Services  | South Central College                         | North Mankato   | No           | Yes        | One to Two Years                      | Sub-bachelor's postsecondary award            | No                              | Pending             | <a href="http://southcentral.edu/Majors-and-Programs/computer-careers.html">http://southcentral.edu/Majors-and-Programs/computer-careers.html</a>   |
| Networking Services  | South Central College                         | North Mankato   | No           | Yes        | At least two but less than four years | Associate's degree such as AA, AS, and others | No                              | Pending             | <a href="https://southcentral.edu/Award/aas3277.html">https://southcentral.edu/Award/aas3277.html</a>   |
| Networking Services  | South Central College                         | North Mankato   | No           | Yes        | At least two but less than four years | Sub-bachelor's postsecondary award            | No                              | Pending             | <a href="https://southcentral.edu/Award/dip3278.html">https://southcentral.edu/Award/dip3278.html</a>   |

**INFORMATION TECHNOLOGY — Support Pathway**

| Program                                 | Training Institution                         | Location      | Online       | Credit | Duration                              | Credential                                    | Has Participated in DTG Program | Competencies Mapped | URL   |
|---|--|---------------|--------------|--------|---------------------------------------|---|---------------------------------|---------------------|---|
| Open Source Developer Certificate       | Minneapolis Community and Technical College  | Minneapolis   | No           | Yes    | Two Semesters                         | Certificate                                   | No                              | No                  | <a href="https://mctc.decisionacademic.com/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=2514&amp;topicid=3205&amp;loadusercredits=True&amp;_ga=2.120878862.70598">https://mctc.decisionacademic.com/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=2514&amp;topicid=3205&amp;loadusercredits=True&amp;_ga=2.120878862.70598</a> |
| PC Specialist Diploma                   | St. Cloud Technical and Community College    | St. Cloud     | No           | Yes    | 2 Semesters                           | Sub-bachelor's postsecondary award            | No                              |                     | <a href="https://www.sctcc.edu/degrees-programs/information-technology-infrastructure/pc-specialist-diploma-32-credits">https://www.sctcc.edu/degrees-programs/information-technology-infrastructure/pc-specialist-diploma-32-credits</a>   |
| Service Improvement                     | Global Knowledge Training LLC                | Online        | Yes          | No     | x                                     | Certificate                                   | Yes                             | Pending             | <a href="https://www.globalknowledge.com/us-en/course/84697/itil-service-lifecycle-continual-service-improvement/">https://www.globalknowledge.com/us-en/course/84697/itil-service-lifecycle-continual-service-improvement/</a>   |
| Software Development                    | Anoka Technical College                      | Anoka         | Yes, partial | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others | No                              | No                  | <a href="https://www.anokatech.edu/ProgramsCourses/InformationTechMgmt/SoftwareDevelopment.aspx">https://www.anokatech.edu/ProgramsCourses/InformationTechMgmt/SoftwareDevelopment.aspx</a>   |
| Software Development                    | Anoka Technical College                      | Anoka         | Yes, partial | Yes    | One to two years                      | Sub-bachelor's postsecondary award            | No                              | No                  | <a href="https://www.anokatech.edu/ProgramsCourses/InformationTechMgmt/SoftwareDevelopment.aspx">https://www.anokatech.edu/ProgramsCourses/InformationTechMgmt/SoftwareDevelopment.aspx</a>   |
| Software Development                    | Dakota County Technical College              | Rosemount     | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others | No                              | No                  | <a href="https://www.dctc.edu/academics/programs-majors/stem/software-development/software-development-aas-degree/">https://www.dctc.edu/academics/programs-majors/stem/software-development/software-development-aas-degree/</a>   |
| Software Development                    | Dakota County Technical College              | Rosemount     | No           | Yes    | One to Two Years                      | Sub-bachelor's postsecondary award            | No                              | No                  | <a href="https://www.dctc.edu/academics/programs-majors/stem/software-development/">https://www.dctc.edu/academics/programs-majors/stem/software-development/</a>   |
| Software Development                    | Minneapolis Community and Technical College  | Minneapolis   | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others | No                              | No                  | <a href="https://www.minneapolis.edu/computer-software-development">https://www.minneapolis.edu/computer-software-development</a>   |
| Software Development                    | Minneapolis Community and Technical College  | Minneapolis   | No           | Yes    | One to Two Years                      | Sub-bachelor's postsecondary award            | No                              | No                  | <a href="https://www.minneapolis.edu/computer-software-development">https://www.minneapolis.edu/computer-software-development</a>   |
| Telecommunications                      | Minnesota West Community & Technical College | Granite Falls | No           | Yes    | One Year                              | Sub-bachelor's postsecondary award            | No                              | No                  | <a href="http://www.mnwest.edu/programs-courses/list/telecommunications-certificate">http://www.mnwest.edu/programs-courses/list/telecommunications-certificate</a>   |
| Telecommunications                      | Minnesota West Community & Technical College | Jackson       | No           | Yes    | One Year                              | Sub-bachelor's postsecondary award            | No                              | No                  | <a href="http://www.mnwest.edu/programs-courses/list/telecommunications-certificate">http://www.mnwest.edu/programs-courses/list/telecommunications-certificate</a>   |
| Telecommunications (CST)                | Minnesota West Community & Technical College | Granite Falls | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others | No                              | No                  | <a href="http://www.mnwest.edu/programs-courses/list/telecommunications-aas">http://www.mnwest.edu/programs-courses/list/telecommunications-aas</a>   |
| Telecommunications (CST)                | Minnesota West Community & Technical College | Jackson       | No           | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others | No                              | Pending             | <a href="http://www.mnwest.edu/programs-courses/list/telecommunications-aas">http://www.mnwest.edu/programs-courses/list/telecommunications-aas</a>   |
| Visual BASIC .NET Developer Certificate | Minneapolis Community and Technical College  | Minneapolis   | No           | Yes    | Two Semesters                         | Certificate                                   | No                              | No                  | <a href="https://mctc.decisionacademic.com/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=2514&amp;topicid=3207&amp;loadusercredits=True&amp;_ga=2.120878862.70598">https://mctc.decisionacademic.com/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=2514&amp;topicid=3207&amp;loadusercredits=True&amp;_ga=2.120878862.70598</a> |
| Visual C# Developer Certificate         | Minneapolis Community and Technical College  | Minneapolis   | No           | Yes    | Two Semesters                         | Certificate                                   | No                              | No                  | <a href="https://mctc.decisionacademic.com/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=2514&amp;topicid=3206&amp;loadusercredits=True&amp;_ga=2.233534488.70598">https://mctc.decisionacademic.com/Catalog/ViewCatalog.aspx?pageid=viewcatalog&amp;topicgroupid=2514&amp;topicid=3206&amp;loadusercredits=True&amp;_ga=2.233534488.70598</a> |
| Web Programmer                          | South Central College                        | North Mankato | No           | Yes    | One Semester                          | Certificate                                   | No                              | Pending             | <a href="https://southcentral.edu/Award/cert3261.html">https://southcentral.edu/Award/cert3261.html</a>   |
| Web Programming                         | Dakota County Technical College              | Rosemount     | No           | Yes    | One Year                              | Certificate                                   | No                              | No                  | <a href="https://www.dctc.edu/academics/programs-majors/stem/software-development/web-programming-certificate/">https://www.dctc.edu/academics/programs-majors/stem/software-development/web-programming-certificate/</a>   |
| Web Programming                         | Ridgewater College                           | Hutchinson    | Yes, partial | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others | No                              | Pending             | <a href="https://www.ridgewater.edu/academics/areas-of-study/information-technology/web-developer-program/">https://www.ridgewater.edu/academics/areas-of-study/information-technology/web-developer-program/</a>   |
| Web Programming                         | Ridgewater College                           | Hutchinson    | Yes, partial | Yes    | One to Two Years                      | Sub-bachelor's postsecondary award            | No                              | Pending             | <a href="https://www.ridgewater.edu/academics/areas-of-study/information-technology/web-developer-program/">https://www.ridgewater.edu/academics/areas-of-study/information-technology/web-developer-program/</a>   |

**INFORMATION TECHNOLOGY — Support Pathway**

| Program                       | Training Institution | Location   | Online       | Credit | Duration                              | Credential                                    | Has Participated in DTG Program | Competencies Mapped | URL   |
|-------------------------------|----------------------|------------|--------------|--------|---------------------------------------|---|---------------------------------|---------------------|---|
| Web Programming-May not exist | Ridgewater College   | Willmar    | Yes, partial | Yes    | At least two but less than four years | Associate's degree such as AA, AS, and others | No                              | Pending             | <a href="https://www.ridgewater.edu/academics/areas-of-study/information-technology/web-developer-program/">https://www.ridgewater.edu/academics/areas-of-study/information-technology/web-developer-program/</a>                                 |
| Web Programming-May not exist | Ridgewater College   | Willmar    | Yes, partial | Yes    | One to Two Years                      | Sub-bachelor's postsecondary award            | No                              | Pending             | <a href="https://www.ridgewater.edu/academics/areas-of-study/information-technology/web-developer-program/">https://www.ridgewater.edu/academics/areas-of-study/information-technology/web-developer-program/</a>                                 |
| Windows Administrator         | Ridgewater College   | Willmar    | Yes          | Yes    | One Year                              | Sub-bachelor's postsecondary award            | No                              |                     | <a href="https://www.ridgewater.edu/academics/areas-of-study/information-technology/network-systems-administrator-program/">https://www.ridgewater.edu/academics/areas-of-study/information-technology/network-systems-administrator-program/</a> |
| Windows Administrator         | Ridgewater College   | Hutchinson | Yes          | Yes    |                                       | Sub-bachelor's postsecondary award            | No                              |                     | <a href="https://www.ridgewater.edu/academics/areas-of-study/information-technology/network-systems-administrator-program/">https://www.ridgewater.edu/academics/areas-of-study/information-technology/network-systems-administrator-program/</a> |

**INFORMATION TECHNOLOGY — Technical Planning Pathway**

| Program  | Training Institution                          | Location            | Online | Credit | Duration                              | Credential  | Has Participated in DTG Program | Competencies Mapped | URL   |
|--|---|---------------------|--------|--------|---------------------------------------|---|---------------------------------|---------------------|---|
| Advanced Network Security  | Inver Hills Community College                 | Inver Grove Heights | No     | Yes    | One year                              | Sub-bachelor's postsecondary award                            | No                              | No                  | <a href="https://www.inverhills.edu/DegreesAndPrograms/PPGs/2021-22/InformationTechnologyCareers.pdf#page=2">https://www.inverhills.edu/DegreesAndPrograms/PPGs/2021-22/InformationTechnologyCareers.pdf#page=2</a>   |
| Advanced Network Technology  | Inver Hills Community College                 | Inver Grove Heights | No     | Yes    | One year                              | Sub-bachelor's postsecondary award                            | No                              | No                  | <a href="https://www.inverhills.edu/DegreesAndPrograms/PPGs/2021-22/InformationTechnologyCareers.pdf#page=2">https://www.inverhills.edu/DegreesAndPrograms/PPGs/2021-22/InformationTechnologyCareers.pdf#page=2</a>   |
| Certified Business Analysis Professional (CBAP) and Certification of Competency in Business Analysis | New Horizons Computer Learning Center - Eagan | Eagan, Minneapolis  | Yes    | No     | 15 weeks or less                      | Industry-recognized or professional association certification | No                              | No                  | <a href="https://www.newhorizonsmn.com/training-and-certifications/center-for-leadership-and-development/business-analysis">https://www.newhorizonsmn.com/training-and-certifications/center-for-leadership-and-development/business-analysis</a>   |
| Cloud Computing  | Century College                               | White Bear Lake     | No     | Yes    | One year                              | Sub-bachelor's postsecondary award                            | No                              | No                  | <a href="http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=1944&amp;returnto=443">http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=1944&amp;returnto=443</a>   |
| Cloud Computing & Virtualization Security, Cloud Computing Track                                     | Century College                               | White Bear Lake     | No     | Yes    | At least two but less than four years | Associate's Degree such as AA, AS, and others                 | No                              | No                  | <a href="http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=1942">http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=1942</a>   |
| Cloud Computing & Virtualization Security, Cloud Security and System Virtualization Track            | Century College                               | White Bear Lake     | No     | Yes    | At least two but less than four years | Associate's Degree such as AA, AS, and others                 | No                              | No                  | <a href="http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=1943">http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=1943</a>   |
| Cloud Security Virtualization Forensics  | Century College                               | White Bear Lake     | No     | Yes    | One year                              | Sub-bachelor's postsecondary award                            | No                              | No                  | <a href="http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=1945&amp;returnto=443">http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=1945&amp;returnto=443</a>   |
| Computer Forensics   | Minneapolis Community and Technical College   | Minneapolis         | No     | Yes    | At least four or more years           | Associate's Degree such as AA, AS, and others                 | No                              | No                  | <a href="https://www.minneapolis.edu/computer-forensics">https://www.minneapolis.edu/computer-forensics</a>   |
| Computer Forensics   | Metropolitan State                            | St. Paul            | No     | Yes    | One year                              | Post-bachelor's or post-baccalaureate certificate             | No                              | No                  | <a href="https://www.metrostate.edu/academics/programs/computer-forensics-post">https://www.metrostate.edu/academics/programs/computer-forensics-post</a>   |
| Computer Networking  | Anoka-Ramsey Community College                | Cambridge           | No     | Yes    | At least two but less than four years | Associate's Degree such as AA, AS, and others                 | No                              | No                  | <a href="http://www.anokaramsey.edu/academics/degrees-diplomas-certificates/two-year-degrees/associate-of-science-degrees/computer-networking/">http://www.anokaramsey.edu/academics/degrees-diplomas-certificates/two-year-degrees/associate-of-science-degrees/computer-networking/</a> |
| Computer Networking  | Anoka-Ramsey Community College                | Coon Rapids         | No     | Yes    | At least two but less than four years | Associate's Degree such as AA, AS, and others                 | No                              | No                  | <a href="http://www.anokaramsey.edu/academics/degrees-diplomas-certificates/two-year-degrees/associate-of-science-degrees/computer-networking/">http://www.anokaramsey.edu/academics/degrees-diplomas-certificates/two-year-degrees/associate-of-science-degrees/computer-networking/</a> |
| Cybersecurity Analysis and Techniques  | Century College                               | White Bear Lake     | No     | Yes    | One year                              | Sub-bachelor's postsecondary award                            | No                              | No                  | <a href="http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=1957&amp;returnto=443">http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=1957&amp;returnto=443</a>   |
| Cybersecurity, Virtualization, and Forensics   | Century College                               | White Bear Lake     | No     | Yes    | At least two but less than four years | Associate's Degree such as AA, AS, and others                 | No                              | No                  | <a href="http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=1959">http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=1959</a>   |
| Digital Forensics Analysis and Techniques  | Century College                               | White Bear Lake     | No     | Yes    | One year                              | Sub-bachelor's postsecondary award                            | No                              | No                  | <a href="http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=1966&amp;returnto=443">http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=1966&amp;returnto=443</a>   |
| Information Assurance  | Metropolitan State                            | St. Paul            | No     | Yes    | Four years                            | Bachelor's or baccalaureate degree normally requiring 3-5     | No                              | No                  | <a href="https://www.metrostate.edu/academics/programs/information-assurance-bas">https://www.metrostate.edu/academics/programs/information-assurance-bas</a>   |
| Information Assurance  | St. Cloud State University                    | St. Cloud           | No     | Yes    | At least four or more years           | Master's degree such as MA, MS, and others                    | No                              | No                  | <a href="https://www.stcloudstate.edu/graduate/information-assurance/default.aspx">https://www.stcloudstate.edu/graduate/information-assurance/default.aspx</a>   |
| Information Assurance (IA) and Information Technology  | Metropolitan State                            | St. Paul            | No     | Yes    | One year                              | Post-bachelor's or post-baccalaureate certificate             | No                              | No                  | <a href="https://www.metrostate.edu/academics/programs/information-assurance-and">https://www.metrostate.edu/academics/programs/information-assurance-and</a>   |
| Information Security and Risk Management   | Minnesota State University, Mankato           | On-line             | Yes    | Yes    | At least four or more years           | Master's degree such as MA, MS, and others                    | No                              | No                  | <a href="https://mankato.mnsu.edu/academics/academic-catalog/graduate/information-technology/information-security-risk-management-psm/">https://mankato.mnsu.edu/academics/academic-catalog/graduate/information-technology/information-security-risk-management-psm/</a>                 |
| Information Systems  | St. Cloud State University                    | St. Cloud           | No     | Yes    | Four years                            | Bachelor's or baccalaureate degree normally requiring 3-5     | No                              | No                  | <a href="https://www.stcloudstate.edu/programs/information-systems/default.aspx">https://www.stcloudstate.edu/programs/information-systems/default.aspx</a>   |

**INFORMATION TECHNOLOGY — Technical Planning Pathway**

| Program  | Training Institution                | Location            | Online | Credit | Duration                              | Credential                                    | Has Participated in DTG Program | Competencies Mapped | URL   |
|--|-------------------------------------|---------------------|--------|--------|---------------------------------------|---|---------------------------------|---------------------|---|
| Information Technology                             | Minnesota State University, Mankato | On-line             | Yes    | Yes    | One year                              | Sub-bachelor's postsecondary award            | No                              | No                  | <a href="https://mankato.mnsu.edu/academics/academic-catalog/undergraduate/computer-information-technology/">https://mankato.mnsu.edu/academics/academic-catalog/undergraduate/computer-information-technology/</a>   |
| Intrusion Detection and Incident Handling          | Century College                     | White Bear Lake     | No     | Yes    | One year                              | Sub-bachelor's postsecondary award            | No                              | No                  | <a href="http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=2028&amp;returnto=443">http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=2028&amp;returnto=443</a>   |
| IT Security and Audit Control                      | Century College                     | White Bear Lake     | No     | Yes    | One year                              | Sub-bachelor's postsecondary award            | No                              | No                  | <a href="http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=2030&amp;returnto=443">http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=2030&amp;returnto=443</a>   |
| Network Administration                             | Anoka-Ramsey Community College      | Cambridge           | No     | Yes    | At least two but less than four years | Associate's Degree such as AA, AS, and others | No                              | No                  | <a href="https://www.anokaramsey.edu/academics/degrees-diplomas-certificates/diplomas-certificates/network-support-and-administration/">https://www.anokaramsey.edu/academics/degrees-diplomas-certificates/diplomas-certificates/network-support-and-administration/</a>                                       |
| Network Administration                             | Anoka-Ramsey Community College      | Coon Rapids         | No     | Yes    | At least two but less than four years | Associate's Degree such as AA, AS, and others | No                              | No                  | <a href="https://www.anokaramsey.edu/academics/degrees-diplomas-certificates/diplomas-certificates/network-support-and-administration/">https://www.anokaramsey.edu/academics/degrees-diplomas-certificates/diplomas-certificates/network-support-and-administration/</a>                                       |
| Network Technology and Security                    | Inver Hills Community College       | Inver Grove Heights | No     | Yes    | At least two but less than four years | Associate's Degree such as AA, AS, and others | No                              | No                  | <a href="https://www.inverhills.edu/DegreesAndPrograms/PPGs/2021-22/InformationTechnologyCareers.pdf#page=2">https://www.inverhills.edu/DegreesAndPrograms/PPGs/2021-22/InformationTechnologyCareers.pdf#page=2</a>   |
| Reverse Engineering Malware Analysis and Technique | Century College                     | White Bear Lake     | No     | Yes    | One year                              | Sub-bachelor's postsecondary award            | No                              | No                  | <a href="http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=2078&amp;returnto=443">http://catalog.century.edu/preview_program.php?catoid=9&amp;poiid=2078&amp;returnto=443</a>   |
| System Administration                              | Anoka-Ramsey Community College      | Cambridge           | No     | Yes    | At least two but less than four years | Associate's Degree such as AA, AS, and others | No                              | No                  | <a href="https://www.anokaramsey.edu/academics/degrees-diplomas-certificates/two-year-degrees/associate-of-applied-science-degrees/system-administration/">https://www.anokaramsey.edu/academics/degrees-diplomas-certificates/two-year-degrees/associate-of-applied-science-degrees/system-administration/</a> |
| System Administration                              | Anoka-Ramsey Community College      | Coon Rapids         | No     | Yes    | At least two but less than four years | Associate's Degree such as AA, AS, and others | No                              | No                  | <a href="https://www.anokaramsey.edu/academics/degrees-diplomas-certificates/two-year-degrees/associate-of-applied-science-degrees/system-administration/">https://www.anokaramsey.edu/academics/degrees-diplomas-certificates/two-year-degrees/associate-of-applied-science-degrees/system-administration/</a> |



INFORMATION TECHNOLOGY — Web Developer Front End

| Program                         | Training Institution                          | Location            | Online       | Credit     | Duration                              | Credential  | Has Participated in DTG Program | Competencies Mapped | URL   |
|---------------------------------|---|---------------------|--------------|------------|---------------------------------------|---|---------------------------------|---------------------|---|
| Complete Java                   | Intertech                                     | Eagan               | No           | No         | Four weeks                            | Certificate   | Yes                             | Pending             | <a href="https://www.intertech.com/training/web-dev">https://www.intertech.com/training/web-dev</a>   |
| Computer Engineering Technology | Minnesota State College - Southeast Technical | Red Wing            | Available    | Yes        | Two years                             | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="http://www.southeastmn.edu/academic_programs/_program/Default.aspx?pid=88">http://www.southeastmn.edu/academic_programs/_program/Default.aspx?pid=88</a>   |
| Computer Programmer             | Inver Hills Community College                 | Inver Grove Heights | No           | Yes        | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.inverhills.edu/DegreesAndPrograms/PPGs/2021-22/ComputerScience.pdf#page=3">https://www.inverhills.edu/DegreesAndPrograms/PPGs/2021-22/ComputerScience.pdf#page=3</a>                               |
| Computer Programmer             | Inver Hills Community College                 | Inver Grove Heights | No           | Yes        | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.inverhills.edu/DegreesAndPrograms/PPGs/2021-22/ComputerScience.pdf#page=3">https://www.inverhills.edu/DegreesAndPrograms/PPGs/2021-22/ComputerScience.pdf#page=3</a>                               |
| Computer Programmer             | Ridgewater College                            | Hutchinson          | Yes, partial | Yes        | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://ridgewater.edu/academics/areas-of-study/information-technology/computer-programming-program/">https://ridgewater.edu/academics/areas-of-study/information-technology/computer-programming-program/</a> |
| Computer Programmer             | Ridgewater College                            | Willmar             | Yes, partial | Yes        | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://ridgewater.edu/academics/areas-of-study/information-technology/computer-programming-program/">https://ridgewater.edu/academics/areas-of-study/information-technology/computer-programming-program/</a> |
| Computer Programmer             | Ridgewater College                            | Hutchinson          | Yes, partial | Yes        | One to Two Years                      | Sub-bachelor's postsecondary award                        | No                              | Pending             | <a href="https://ridgewater.edu/academics/areas-of-study/information-technology/computer-programming-program/">https://ridgewater.edu/academics/areas-of-study/information-technology/computer-programming-program/</a> |
| Computer Programmer             | Ridgewater College                            | Willmar             | Yes, partial | Yes        | One to Two Years                      | Sub-bachelor's postsecondary award                        | No                              | Pending             | <a href="https://ridgewater.edu/academics/areas-of-study/information-technology/computer-programming-program/">https://ridgewater.edu/academics/areas-of-study/information-technology/computer-programming-program/</a> |
| Computer Programmer             | Ridgewater College                            | Willmar             | Yes, partial | Yes        | One to Two Years                      | Sub-bachelor's postsecondary award                        | No                              | No                  | <a href="https://ridgewater.edu/academics/areas-of-study/information-technology/computer-programming-program/">https://ridgewater.edu/academics/areas-of-study/information-technology/computer-programming-program/</a> |
| Computer Programming            | Minnesota State Community and Tech College    | Moorhead            | Online       | 60 credit  | 2 years                               | Associates Degree   | No                              | No                  | <a href="https://www.minnesota.edu/programs-and-degrees/computer-programming">https://www.minnesota.edu/programs-and-degrees/computer-programming</a>   |
| Computer Programming            | St. Cloud Technical and Community College     | St. Cloud           | Yes          | 71 credits | Two years                             | Associate's degree such as AA, AS, and others             | No                              | No                  | <a href="https://www.sctcc.edu/degrees-programs/computer-programming/computer-programmer-aas-71-credits">https://www.sctcc.edu/degrees-programs/computer-programming/computer-programmer-aas-71-credits</a>             |
| Computer Programming (CSCI)     | Saint Paul College                            | St. Paul            | Available    | Yes        | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.saintpaul.edu/programs/computer-programming">https://www.saintpaul.edu/programs/computer-programming</a>   |
| Computer Science                | Inver Hills Community College                 | Inver Grove Heights | Available    | Yes        | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Yes                 | <a href="https://inverhills.edu/DegreesAndPrograms/ComputerScience/index.aspx">https://inverhills.edu/DegreesAndPrograms/ComputerScience/index.aspx</a>   |
| Computer Science (CSCI)         | Saint Paul College                            | St. Paul            | Available    | Yes        | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.saintpaul.edu/programs/computer-science">https://www.saintpaul.edu/programs/computer-science</a>   |
| Computer Science (CSCI)         | St. Cloud State University                    | St. Cloud           | Available    | Yes        | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.stcloudstate.edu/programs/computer-science/">https://www.stcloudstate.edu/programs/computer-science/</a>   |
| Computer Science (CSIS)         | Minnesota State University Moorhead           | Moorhead            | No           | Yes        | Four years                            | Bachelor's or baccalaureate degree normally requiring 3-5 | No                              | Pending             | <a href="https://www.mnstate.edu/academics/majors/computer-science/">https://www.mnstate.edu/academics/majors/computer-science/</a>   |
| Computer Technology (COMP)      | Central Lakes College                         | Brainerd            | No           | Yes        | Two years                             | Associates Degree   | No                              | Yes                 | <a href="http://www.clcmn.edu/computer-information-technology-a-a-s-degree-2/">http://www.clcmn.edu/computer-information-technology-a-a-s-degree-2/</a>   |
| Information Technology (ITEC)   | Anoka Technical College                       | Anoka               | Available    | Yes        | Two years                             | Associates Degree   | No                              | Yes                 | <a href="http://www.anokatech.edu/en/ProgramsCourses/InformationTechMgmt/WebDesignDevelopment">http://www.anokatech.edu/en/ProgramsCourses/InformationTechMgmt/WebDesignDevelopment</a>                                 |
| Interactive Media Design        | Dakota County Technical College               | Rosemount           | Yes, partial | Yes        | One to Two Years                      | Sub-bachelor's postsecondary award                        | No                              | No                  | <a href="https://www.dctc.edu/academics/programs-majors/visual-arts-communication/web-design/">https://www.dctc.edu/academics/programs-majors/visual-arts-communication/web-design/</a>                                 |

INFORMATION TECHNOLOGY — Web Developer Front End

| Program                                  | Training Institution  | Location            | Online       | Credit        | Duration                              | Credential                                    | Has Participated in DTG Program | Competencies Mapped | URL   |
|--|---|---------------------|--------------|---------------|---------------------------------------|---|---------------------------------|---------------------|---|
| Web Design                               | Century College   | White Bear Lake     | Yes          | Yes           | Two years                             | Associate's degree such as AA, AS, and others | No                              | No                  | <a href="https://www.century.edu/programs/web-design">https://www.century.edu/programs/web-design</a>   |
| Web Design                               | Dakota County Technical College   | Rosemount           | Yes, partial | Yes           | At least two but less than four years | Sub-bachelor's postsecondary award            | No                              | No                  | <a href="https://www.dctc.edu/academics/programs-majors/visual-arts-communication/web-design/">https://www.dctc.edu/academics/programs-majors/visual-arts-communication/web-design/</a>   |
| Web Design                               | Dakota County Technical College   | Rosemount           | Yes, partial | Yes           | One to Two Years                      | Associate's degree such as AA, AS, and others | No                              | No                  | <a href="https://www.dctc.edu/academics/programs-majors/visual-arts-communication/web-design/">https://www.dctc.edu/academics/programs-majors/visual-arts-communication/web-design/</a>   |
| Web Design                               | Saint Paul College  | St. Paul            | Available    | Yes           | One to Two Years                      | Certificate                                   | No                              | No                  | <a href="https://www.saintpaul.edu/programs/web-design">https://www.saintpaul.edu/programs/web-design</a>   |
| Web Design Professional Certificate      | Minneapolis Community and Technical College - Continuing Education and Training | Minneapolis         | Available    | No            | Length not provided                   | Certificate                                   | No                              | Yes                 | <a href="https://www.minneapolis.edu/continuing-education/certificate-programs/web-design-and-development-certificates">https://www.minneapolis.edu/continuing-education/certificate-programs/web-design-and-development-certificates</a> |
| Web Developer                            | Ridgewater College  | Hutchinson, Willmar |              | 50-60 credits | 2 years                               | Associates Degree                             | No                              | Yes                 | <a href="https://ridgewater.edu/academics/areas-of-study/information-technology/web-developer-program/">https://ridgewater.edu/academics/areas-of-study/information-technology/web-developer-program/</a>                                 |
| Web Developer                            | Riverland Community College   | Austin              | Online       | 60 credits    | 1-2 years                             | Associates Degree                             | No                              | Pending             | <a href="https://www.riverland.edu/academics/programs/web-developer-aas/description/">https://www.riverland.edu/academics/programs/web-developer-aas/description/</a>   |
| Web Developer                            | Saint Paul College  | St. Paul            | Available    | 24 credits    | 3 semesters                           | Certificate                                   | No                              | Pending             | <a href="https://www.saintpaul.edu/programs/Pages/web-development.aspx">https://www.saintpaul.edu/programs/Pages/web-development.aspx</a>   |
| Web Development Professional Certificate | Minneapolis Community and Technical College - Continuing Education and Training | Minneapolis         | Available    | No            | Length not provided                   | Certificate                                   | No                              | No                  | <a href="https://www.minneapolis.edu/continuing-education/certificate-programs/web-design-and-development-certificates">https://www.minneapolis.edu/continuing-education/certificate-programs/web-design-and-development-certificates</a> |

INFORMATION TECHNOLOGY — Web Developer Back End

| Program                         | Training Institution                          | Location            | Online       | Credit     | Duration                              | Credential  | Has Participated in DTG Program | Competencies Mapped | URL   |
|---------------------------------|---|---------------------|--------------|------------|---------------------------------------|---|---------------------------------|---------------------|---|
| Complete Java                   | Intertech                                     | Eagan               | No           | No         | Four weeks                            | Certificate   | Yes                             | Pending             | <a href="https://www.intertech.com/training/web-dev">https://www.intertech.com/training/web-dev</a>   |
| Computer Engineering Technology | Minnesota State College - Southeast Technical | Red Wing            | Available    | Yes        | Two years                             | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="http://www.southeastmn.edu/academic_programs/_program/Default.aspx?pid=88">http://www.southeastmn.edu/academic_programs/_program/Default.aspx?pid=88</a>   |
| Computer Programmer             | Inver Hills Community College                 | Inver Grove Heights | No           | Yes        | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.inverhills.edu/DegreesAndPrograms/PPGs/2021-22/ComputerScience.pdf#page=3">https://www.inverhills.edu/DegreesAndPrograms/PPGs/2021-22/ComputerScience.pdf#page=3</a>                               |
| Computer Programmer             | Inver Hills Community College                 | Inver Grove Heights | No           | Yes        | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.inverhills.edu/DegreesAndPrograms/PPGs/2021-22/ComputerScience.pdf#page=3">https://www.inverhills.edu/DegreesAndPrograms/PPGs/2021-22/ComputerScience.pdf#page=3</a>                               |
| Computer Programmer             | Ridgewater College                            | Hutchinson          | Yes, partial | Yes        | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://ridgewater.edu/academics/areas-of-study/information-technology/computer-programming-program/">https://ridgewater.edu/academics/areas-of-study/information-technology/computer-programming-program/</a> |
| Computer Programmer             | Ridgewater College                            | Willmar             | Yes, partial | Yes        | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://ridgewater.edu/academics/areas-of-study/information-technology/computer-programming-program/">https://ridgewater.edu/academics/areas-of-study/information-technology/computer-programming-program/</a> |
| Computer Programmer             | Ridgewater College                            | Hutchinson          | Yes, partial | Yes        | One to Two Years                      | Sub-bachelor's postsecondary award                        | No                              | Pending             | <a href="https://ridgewater.edu/academics/areas-of-study/information-technology/computer-programming-program/">https://ridgewater.edu/academics/areas-of-study/information-technology/computer-programming-program/</a> |
| Computer Programmer             | Ridgewater College                            | Willmar             | Yes, partial | Yes        | One to Two Years                      | Sub-bachelor's postsecondary award                        | No                              | Pending             | <a href="https://ridgewater.edu/academics/areas-of-study/information-technology/computer-programming-program/">https://ridgewater.edu/academics/areas-of-study/information-technology/computer-programming-program/</a> |
| Computer Programmer             | Ridgewater College                            | Willmar             | Yes, partial | Yes        | One to Two Years                      | Sub-bachelor's postsecondary award                        | No                              | No                  | <a href="https://ridgewater.edu/academics/areas-of-study/information-technology/computer-programming-program/">https://ridgewater.edu/academics/areas-of-study/information-technology/computer-programming-program/</a> |
| Computer Programming            | Minnesota State Community and Tech College    | Moorhead            | Online       | 60 credit  | 2 years                               | Associates Degree   | No                              | No                  | <a href="https://www.minnesota.edu/programs-and-degrees/computer-programming">https://www.minnesota.edu/programs-and-degrees/computer-programming</a>   |
| Computer Programming            | St. Cloud Technical and Community College     | St. Cloud           | Yes          | 71 credits | Two years                             | Associate's degree such as AA, AS, and others             | No                              | No                  | <a href="https://www.sctcc.edu/degrees-programs/computer-programming/computer-programmer-aas-71-credits">https://www.sctcc.edu/degrees-programs/computer-programming/computer-programmer-aas-71-credits</a>             |
| Computer Programming (CSCI)     | Saint Paul College                            | St. Paul            | Available    | Yes        | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.saintpaul.edu/programs/computer-programming">https://www.saintpaul.edu/programs/computer-programming</a>   |
| Computer Science                | Inver Hills Community College                 | Inver Grove Heights | Available    | Yes        | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Yes                 | <a href="https://inverhills.edu/DegreesAndPrograms/ComputerScience/index.aspx">https://inverhills.edu/DegreesAndPrograms/ComputerScience/index.aspx</a>   |
| Computer Science (CSCI)         | Saint Paul College                            | St. Paul            | Available    | Yes        | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.saintpaul.edu/programs/computer-science">https://www.saintpaul.edu/programs/computer-science</a>   |
| Computer Science (CSCI)         | St. Cloud State University                    | St. Cloud           | Available    | Yes        | At least two but less than four years | Associate's degree such as AA, AS, and others             | No                              | Pending             | <a href="https://www.stcloudstate.edu/programs/computer-science/">https://www.stcloudstate.edu/programs/computer-science/</a>   |
| Computer Science (CSIS)         | Minnesota State University Moorhead           | Moorhead            | No           | Yes        | Four years                            | Bachelor's or baccalaureate degree normally requiring 3-5 | No                              | Pending             | <a href="https://www.mnstate.edu/academics/majors/computer-science/">https://www.mnstate.edu/academics/majors/computer-science/</a>   |
| Computer Technology (COMP)      | Central Lakes College                         | Brainerd            | No           | Yes        | Two years                             | Associates Degree   | No                              | Yes                 | <a href="http://www.clcmn.edu/computer-information-technology-a-a-s-degree-2/">http://www.clcmn.edu/computer-information-technology-a-a-s-degree-2/</a>   |
| Information Technology (ITEC)   | Anoka Technical College                       | Anoka               | Available    | Yes        | Two years                             | Associates Degree   | No                              | Yes                 | <a href="http://www.anokatech.edu/en/ProgramsCourses/InformationTechMgmt/WebDesignDevelopment">http://www.anokatech.edu/en/ProgramsCourses/InformationTechMgmt/WebDesignDevelopment</a>                                 |
| Web Design                      | Century College                               | White Bear Lake     | Yes          | Yes        | Two years                             | Associate's degree such as AA, AS, and others             | No                              | No                  | <a href="https://www.century.edu/programs/web-design">https://www.century.edu/programs/web-design</a>   |

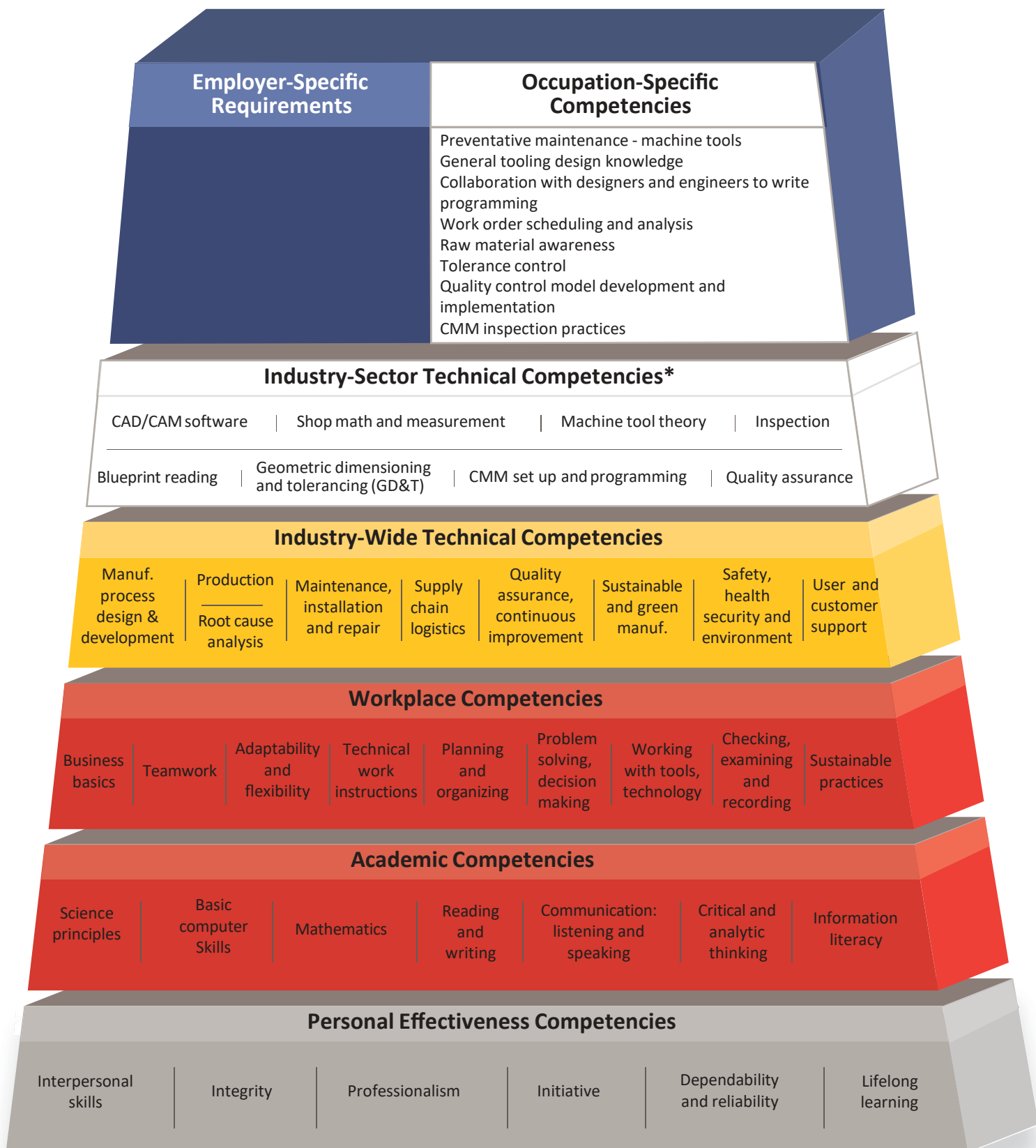
INFORMATION TECHNOLOGY — Web Developer Back End

| Program                                  | Training Institution  | Location    | Online       | Credit        | Duration                              | Credential                                    | Has Participated in DTG Program | Competencies Mapped | URL   |
|--|---|-------------|--------------|---------------|---------------------------------------|---|---------------------------------|---------------------|---|
| Web Design                               | Dakota County Technical College   | Rosemount   | Yes, partial | Yes           | At least two but less than four years | Sub-bachelor's postsecondary award            | No                              | No                  | <a href="https://www.dctc.edu/academics/programs-majors/visual-arts-communication/web-design/">https://www.dctc.edu/academics/programs-majors/visual-arts-communication/web-design/</a>   |
| Web Design                               | Dakota County Technical College   | Rosemount   | Yes, partial | Yes           | One to Two Years                      | Associate's degree such as AA, AS, and others | No                              | No                  | <a href="https://www.dctc.edu/academics/programs-majors/visual-arts-communication/web-design/">https://www.dctc.edu/academics/programs-majors/visual-arts-communication/web-design/</a>   |
| Web Design                               | Saint Paul College  | St. Paul    | Available    | Yes           | One to Two Years                      | Certificate                                   | No                              | No                  | <a href="https://www.saintpaul.edu/programs/web-design">https://www.saintpaul.edu/programs/web-design</a>   |
| Web Design Professional Certificate      | Minneapolis Community and Technical College - Continuing Education and Training | Minneapolis | Available    | No            | Length not provided                   | Certificate                                   | No                              | Yes                 | <a href="https://www.minneapolis.edu/continuing-education/certificate-programs/web-design-and-development-certificates">https://www.minneapolis.edu/continuing-education/certificate-programs/web-design-and-development-certificates</a> |
| Web Developer                            | Riverland Community College   | Austin      | Online       | 60 credits    | 1-2 years                             | Associates Degree                             | No                              | Pending             | <a href="https://www.riverland.edu/academics/programs/web-developer-aas/description/">https://www.riverland.edu/academics/programs/web-developer-aas/description/</a>   |
| Web Developer                            | Saint Paul College  | St. Paul    | Available    | 24 credits    | 3 semesters                           | Certificate                                   | No                              | Pending             | <a href="https://www.saintpaul.edu/programs/Pages/web-development.aspx">https://www.saintpaul.edu/programs/Pages/web-development.aspx</a>   |
| Web Development Professional Certificate | Minneapolis Community and Technical College - Continuing Education and Training | Minneapolis | Available    | No            | Length not provided                   | Certificate                                   | No                              | No                  | <a href="https://www.minneapolis.edu/continuing-education/certificate-programs/web-design-and-development-certificates">https://www.minneapolis.edu/continuing-education/certificate-programs/web-design-and-development-certificates</a> |
| Web Programming                          | Ridgewater College  | Hutchinson  |              | 50-60 credits | 2 years                               | Associates Degree                             | No                              | Yes                 | <a href="https://ridgewater.edu/academics/areas-of-study/information-technology/web-developer-program/">https://ridgewater.edu/academics/areas-of-study/information-technology/web-developer-program/</a>                                 |

# Minnesota Dual-Training Pipeline

## Competency Model for Advanced Manufacturing

### Occupation: Coordinate Measuring Machine (CMM) Programmer



Based on: Advanced Manufacturing Competency Model Employment and Training Administration, United States Department of Labor, April 2010.

\*Pipeline recommends the Industry-Sector Technical Competencies as formal training opportunities (provided through related instruction) and the Occupation-Specific Competencies as on-the-job training opportunities

# Competency Model for Advanced Manufacturing

## Coordinate Measuring Machine (CMM) Programmer

A Coordinate Measuring Machine Programmer assists in the design and production of inspection equipment programming to ensure the highest quality possible for each product. They must create designs and interpret blueprints, manuals and other work instructions. They also study sample parts to determine dimensions of finished work pieces and equipment setup requirements. They work closely with engineers to note areas for improvement or to make corrections in order to help determine which tools will be the right ones for the CNC machine to use to ensure product reliability and machine shop efficiency. CMM Programmers inspect work pieces throughout a production run. These professionals additionally detect malfunctions using precision measuring instruments such as micrometers, dial calipers, depth gages, indicators and scales.

### Industry-Sector Technical Competencies

- CAD/CAM software -Use the models and assemblies created in CAD software such as PC-DMIS, Calypso, etc. to develop toolpaths that drive machine tools to turn designs into physical parts that meet quality standards.
- Blueprint reading - Knowledge in reading and understanding industrial prints.
- Shop math and measurement – Training in basic math, including linear measurement, metrics and beginning algebra.
- CMM set up and programming -Knowledge of manual programming of Coordinate Measuring Machine tools. Learn types of CMM controls, machinery, programming formats and basic terminology.
- Machine tool theory - Learn to complete the processes required for manufacturing a precision part, use standard shop safety practices, set-up and operate standard manufacturing machines, complete accurate lay-outs, explain applications of hand tools and use correctly and use basic measuring tools.
- Geometric dimensioning and tolerancing (GD & T) – Understand the system for defining and communicating engineering tolerances through symbolic language on engineering drawings and blueprints as well as computer generated models to assist in utilizing CMM operations.
- Quality assurance – Understands basic principles of precise measurement and attention to detail to ensure product meets exact standards as laid out in production plans.
- Inspection – Knowledgeable of the proper methods and instruments used to effectively inspect parts in the shop, including using instruments such as the caliper, micrometer, and of course CMM machine.

### Occupation-Specific Competencies

- Preventative maintenance- Machine tools - Practice industry approved procedures for preventative maintenance on CMM machines and any related tools.

- General tooling design knowledge - Demonstrate knowledge of methods, and procedures for common machine shop benchwork and hand tool work as well as ability to do basic design and development of fixtures to support CMM machines.
- Collaboration with designers and engineers to write programming - Demonstrates ability to write programs using CAD/ CAM software and the skill to collaborate with engineers and peers to develop CMM programming.
- Work order scheduling and analysis - Demonstrates ability to prioritize certain work orders over others to strive for efficiency to maximize CMM programming benefits to overall production output potential.
- Raw material awareness- Demonstrates knowledge of steel, aluminum, etc. and how they interact with the CMM and occasionally a CNC machine.
- Tolerance control - Demonstrates knowledge of raw materials and how CMM and CNC machine use could potentially damage the materials. Takes steps to avoid damage to materials and machines.
- Quality control model development and implementation - Demonstrate ability to create models via files, drawing, blueprints, etc. to ensure product quality.
- CMM inspection practices - Demonstrate the proper methods and instruments used to effectively inspect parts in the shop, including using instruments such as the caliper, micrometer, and CMM.

### CMM Programmer Occupational Training Plan

|   | List Course/Training Name and Title | Description of Courses and/or Training Program | List Responsible Provider: Company, College, Trainer, or other | Anticipated Completion Date |
|---|-------------------------------------|--|--|-----------------------------|
| <i>Related Instruction Competencies</i>         |                                     |  |  |                             |
| CAD/ CAM software                               |                                     |  |  |                             |
| Blueprint reading                               |                                     |  |  |                             |
| Shop math and measurement                       |                                     |  |  |                             |
| CMM set up and programming                      |                                     |  |  |                             |
| Machine tool theory                             |                                     |  |  |                             |
| Quality assurance                               |                                     |  |  |                             |
| Inspection                                      |                                     |  |  |                             |
| Geometric dimensioning and tolerancing (GD & T) |                                     |  |  |                             |

| <i>On-The-Job Training Competencies</i>                         |  |  |  |  |
|---|--|--|--|--|
| Preventative maintenance –machine tools                         |  |  |  |  |
| General tooling design knowledge                                |  |  |  |  |
| Collaboration with designers and engineers to write programming |  |  |  |  |
| Work order scheduling and analysis                              |  |  |  |  |
| Raw material awareness  |  |  |  |  |
| Tolerance control   |  |  |  |  |
| Quality control model development and implementation            |  |  |  |  |
| CMM inspection practices  |  |  |  |  |