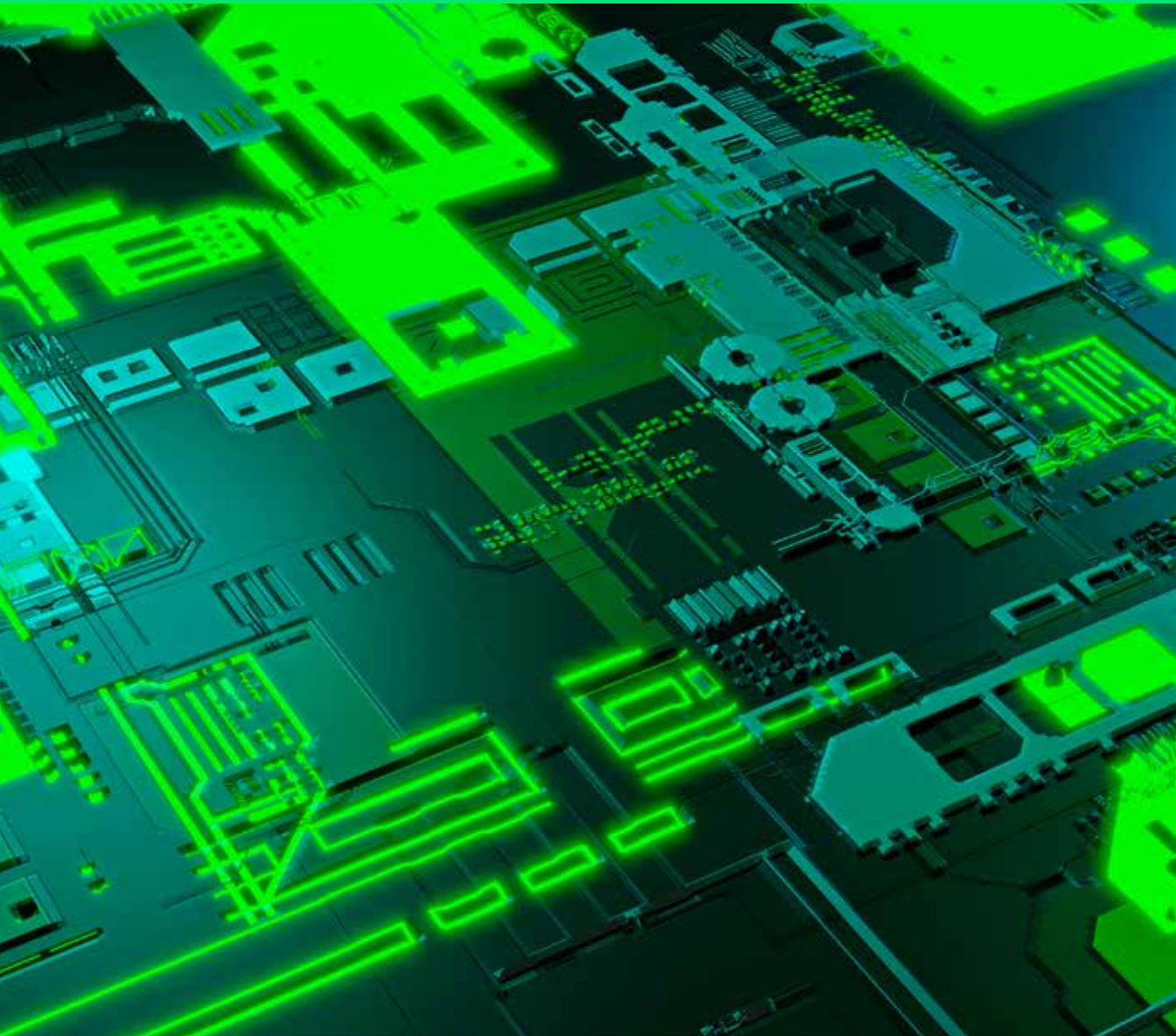


The Ultimate Guide to MN Technology Education



Updated August 28, 2020
Version 001



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Launch Minnesota**

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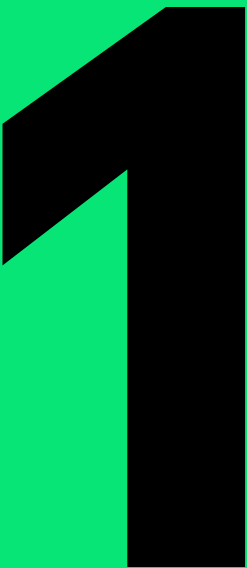
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Letter from the tech.mn Team



Letter from the Team

Whether you're a high school student preparing to start your collegiate career or are gearing up to return to the academic world after years of professional experience, this Ultimate Guide to Minnesota Technology Education is for you.

Computer Science, Cybersecurity, Programming, Data Analysis... there are programs within the Minnesota education system that fit any technological interest. We've paired with Launch Minnesota to compile this Ultimate Guide to Minnesota Technology Education, and we're confident that it's a great starting point for any Minnesotan looking to expand their technological prowess.

We've included a lightly edited description for each program entry, but never fear — just click on the program title to go straight to its full informational page. And, just like our Ultimate Guide to Minnesota Startup Accelerators, we'll be updating this to Ultimate Guide to Minnesota Technology Education regularly to make sure every student has the right info.

Thanks to Launch Minnesota, our wonderful sponsors, and all of the bright minds that make the Minnesota tech and startup community what it is. Here's to learning.

— The tech.mn Team



Alex Skjong
tech.mn



Jac Stark
tech.mn

In Partnership with: Launch Minnesota

2

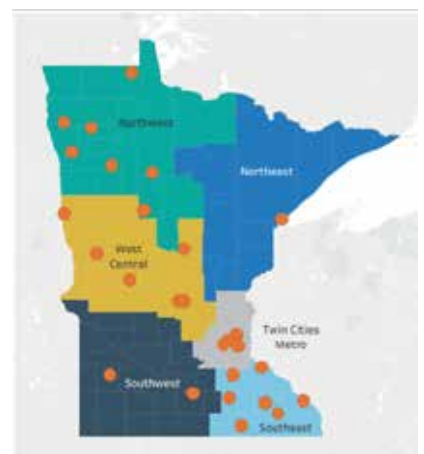
Launch MN

Our Story



Launch Minnesota is a statewide collaborative effort to accelerate the growth of startups and amplify Minnesota as a national leader in innovation.

Created with bipartisan support during the 2019 legislative session, Launch Minnesota – spearheaded by the Minnesota Department of Employment and Economic Development (DEED) – works with an advisory board, private sector stakeholders, support organizations, higher education, and innovative startups statewide.



The Launch MN Network, uniting
6 regions, 7 hubs, and over 60 partners

Launch MN What We Do



Increase access to capital through our grants, tax credits, and direct & in-kind investments by our private sector.

- Launch MN Innovation grants for: Business Operation, Housing/Childcare and matching grant for Phase 2 SBIR-STTR federal grants.
- Angel Tax credit. provides a 25% credit to investors or investment funds that make equity investments in innovative startups.
- Increase private investment to MN startup community through capital or in-kind investment. Check out the list of MN's current investors.

Build a collaborative statewide network to support entrepreneurs at every stage of their startup journey.

- The Launch MN Network, is uniting 6 regions, 7 hubs & over 60 partners to support startups to improve coordination and capacity across the state's startup ecosystem aiming to help entrepreneurs navigate the wealth of resources across the state.

Develop entrepreneurial talent by ramping up lean startup education, access to expertise & other coordinated statewide efforts

- Lean Startup Education now offered across MN
- Coming soon ... the MN Mentor Movement

[Learn More Here](#)



Technology Education Programs

3

Alexandria Technical and Community College

Computer Information Systems

Includes 30 technical credits in the field of computer science and exposes the student to hardware, database and spreadsheet applications, and Windows. The 30 technical credits may vary slightly depending upon requirements of the receiving transfer institution...

Program Type:

Associate of Science

Program Length:

2 year

Cybersecurity

This 30 credit certificate prepares students with the skills they need to evaluate, secure, and remediate at-risk computer and networked systems. Graduates are prepared for employment in computer security related careers, including cybersecurity, network security...

Program Type:

Associate of Science

Program Length:

1 year

Anoka Technical College

Network Management and Security

This program with a concentration in convergence tech requirements was determined through consultation with employers, industry professionals, technical training professionals.. The program allows technical

Program Type:

Associate of Science

Program Length:

2 years

Location:

Alexandria

Phone Number:

320-762-0221

Program Requirements:

High school diploma/GED certificate holder with fewer than 12 completed, post high school, college credits

Tuition Cost:

Tuition: \$165.42/credit Fees: \$20.09/credit

Online Course Tuition: \$199.00/credit

Fees: \$10.35/credit

Cybersecurity,

Virtualization, & Networking

Gain the technical and organizational skills needed to design, configure, and build computer networks and develop and create cybersecurity infrastructure for business and industry. This degree prepares graduates for a successful career in the IT field.

Program Type:

Associate of Science

Program Length:

2 year

Location:

Anoka

Phone Number:

763-576-7710

Program Requirements:

Test score or completion of basic math, English and/or reading courses with a "C" or better. BDAT 1005, ITEC 1003, ITEC 1011, ITEC 1016, TLIT 1005 - 1st semester courses prerequisites.

Tuition Cost:

Regular: \$191.12 per credit

Online: \$200.88 per credit



Software Development

Combines theoretical design and analysis instruction with extensive hands-on implementation practice using software development environments Visual basic, Java, C++, XML and Javascript. Students learn the skills necessary to be successful business analysts and software developers.

Program Type:

Associate of Science

Program Length:

2 years

Web Design and Development

The program focuses on both designing and developing dynamic web sites. Emphasis is on the design, development, deployment and maintenance of database-oriented, interactive web sites suitable for supporting e-commerce using the latest Web development technologies.

Program Type:

Associate of Science

Program Length:

2 years

Business Data Analyst

The Data Analyst graduate will receive the knowledge and skills necessary for employment and growth in entry-level business intelligence and data analyst professions. They will assist in the process of inspecting, cleansing, testing, and transforming data. Graduates will help interpret and visualize the data using various...

Program Type:

Associate of Science

Program Length:

2 years



Anoka-Ramsey Community College

Computer Networking

This program prepares for entry or advancement in the field of computer network support and administration and also provides the first two years of a bachelor's degree related to IT and network administration. Design and develop secure voice...

Program Type:

Associate of Science

Program Length:

2 years

Location:

Cambridge

Phone Number:

763-433-1300

Program Requirements:

Grades of A, B, C, and D are accepted in the Minnesota Transfer Curriculum. A cumulative 2.0 MnTC GPA is required to complete the 40-credit, 10 goal area MnTC.

Tuition Cost:

Total per Credit for in house course: \$172.19
Online Courses: \$207.89



Computer Science Transfer Pathway

The Computer Science Transfer Pathway Associate of Science (AS) degree program offers students a powerful option: the opportunity to complete an Associate of Science degree with course credits that directly transfer to designated Computer Science bachelor's degree programs at Minnesota State universities.

Program Type:

Associate of Science

Program Length:

2 years

Computer Network Security

Computer Networking Certificates focus on the development of job- or career-specific skills in a short-term, concentrated format. Design and develop secure voice, video and data networks, Implement and configure networked devices, Demonstrate the skills necessary to administer and monitor networks, Exhibit mastery of problem-solving skills to troubleshoot existing and emerging technologies...

Program Type:

Certificate

Program Length:

1 year

Computer Programming

The Computer Programming certificate program targets students interested in careers in information technology. It is designed for holders of an Associate of Arts (AA), Associate of Science (AS) and/or baccalaureate degree who have an interest in a career change or job enhancement...

Program Type:

Certificate

Program Length:

1 year

Cybersecurity

This program places emphasis on the fundamental skills and knowledge required to safeguard an organization's information and defend systems. Demonstrate knowledge and understanding of essential facts, concepts, design principles, policies, laws, and threats relating to computer and network security...

Program Type:

Associate of Science

Program Length:

2 years



IT Support Specialist

The IT Support Specialist certificate program focuses on the development of job- or career- specific skills in a short-term, concentrated format. Design and develop secure voice, video, and data networks, Implement and configure computer devices...

Program Type:

Certificate

Program Length:

1 year



Augsburg University

Location: Minneapolis
Phone Number: 612-330-1001

Program Requirements:
Official high school transcripts. Letter of academic recommendation from a high school teacher or guidance counselor. Respond to short essay questions found within the application. Optional: Official ACT or SAT test scores.

Tuition Cost:
Full Time (12-19 credits per term)
Semester: \$19,647.50

Computer Science

Computer Science provide tools for solving a wide array of quantitative and computational problems. Our majors and minors develop the ability to understand both applied and abstract quantitative relationships, to interpret and communicate with data...

Program Type: B.S., B.A.
Program Length: 4 years

Bemidji State University

Computer Information Systems

Computer Science majors learn how to solve problems from a wide variety of domains. Working in teams, students learn to transform their solutions into algorithms and implement programs for a broad range of software systems. Majors in Computer Information Systems, a program offered jointly with Business Administration...

Program Type: B.S.
Program Length: 4 years

Computer Science

Computer Science majors learn how to solve problems from a wide variety of domains. Working in teams, students learn to transform their solutions into algorithms and implement programs for a broad range of software systems. Majors in Computer Information Systems...

Program Type: B.S.
Program Length: 4 years

Location: Bemidji
Phone Number: 218-755-2001

Program Requirements:
Required Credits: 76,
Required GPA: 2.25

Tuition Cost:
Total estimated cost: \$9,2459



Bethel University

Computer Science

The Computer Science major prepares students for a career in software development. Nearly every organization needs, and will continue to need, computer science graduates to manage their technical institutional resources, such as servers and websites...

Program Type:

B.A.

Program Length:

4 years

Computer Science

The Computer Science major prepares students for a career in software development. Nearly every organization needs, and will continue to need, computer science graduates to manage their technical institutional resources, such as servers and websites...

Program Type:

B.A.

Program Length:

4 years

Location:

St. Paul

Phone Number:

651-638-6400

Program Requirements:

Graduation from an accredited secondary school or equivalent GPA of 2.5 (unweighted)

Test scores of 21 composite on the ACT or 920 on the SAT

Tuition Cost:

Total Tuition Cost: \$49,990



Carleton College

Computer Science

Our courses range from introductions to the field, to more advanced material such as artificial intelligence, graphics, networks, and much more. We are located in Carleton's Center for Mathematics and Computing (CMC).

Program Type:

B.S.

Program Length:

4 years

Location:

Northfield

Phone Number:

507-222-4190

Program Requirements:

Test-optional policy for first-year applicants applying for admission for entry in Fall 2021. SAT & ACT scores are not required, but you may still submit them.

Tuition Cost:

Tuition: \$74,499



Central Lakes College

Computer Information Technology

Subjects covered include computer troubleshooting and repair, basic networking, operating systems, supporting common end user applications... This program teaches skills needed to work for companies with small to mid-size help desks or...

Program Type:

Associate of Applied
Science & Diploma

Program Length:

2 years (AAS)
1 year (Diploma)

Location:

Brainerd

Phone Number:

218-855-8000

Program Requirements:

High School Transcripts/GED

Tuition Cost:

Estimates: Base Tuition/Fees: \$5757
Books/Supplies: \$1000, Room/Board: \$5670
Transportation: \$4400, Personal/Misc: \$2173
Total: \$19,000



Computer Network Administration

Coursework includes general networking technologies, network troubleshooting, operating system technologies, disaster recovery, computer repair, and security fundamentals. This program covers an overview of networking technologies...

Program Type:

Associate of Applied
Science & Diploma

Program Length:

2 years (AAS)
1 year (Diploma)



Century College

Computer Information Systems

Coursework is designed to develop your analytical and problem-solving skills, in conjunction with gaining broad-based, applied hands-on programming experience and proficiency. This program has also been designed to prepare students to transfer to a variety of information systems-related degrees at area colleges and universities.

Program Type:

Associate of Science

Program Length:

2 years

Computer Science

The curriculum has been specifically designed so that students completing this pathway degree and transferring to one of the seven Minnesota State universities enter the university with junior-year status...

Program Type:

Associate of Science

Program Length:

2 years

Location:
White Bear Lake

Phone Number:
651-779-3300

Program Requirements:
Placement into MATH 1061 or completion of MATH 0070, college-level English & Reading or ENGL 0950 or RDNG 0940 & qualifying English Placement Exam or completion of RDNG 0950 & ENGL 0090 or ESOL 0051 & ESOL 0052 (all with C or higher).

Tuition Cost:
\$185.92 per credit total

Cybersecurity, Virtualization and Forensics

This program is designed to fill a growing need for cybersecurity personnel in the public and private sector...

Program Type:

Associate of Science

Program Length:

2 years



College of St. Scholastica

Computer Information Systems

Coursework is designed to develop your analytical and problem-solving skills, in conjunction with gaining broad-based, applied hands-on programming experience and proficiency. This program has also been designed to prepare students...

Program Type:

B.A., B.S.

Program Length:

4 years

Location:

Duluth

Phone Number:

218-723-6046

Program Requirements:

High school transcript (GED also accepted) Standardized Test Scores or a written essay describing overall academic accomplishments. Read more about the test-optional admission policy.

Tuition Cost:

Tuition and Fees (full-time students): \$49,750

Concordia University

Computer Science

This degree program covers the core topics of computer science such as programming languages, computer architecture, data structures, operating systems, database, web systems, and software engineering...

Program Type:

B.S.

Program Length:

4 years

Location:

St. Paul

Phone Number:

651-641-8230

Program Requirements:

High school transcript (GED also accepted) Standardized Test Scores or a written essay describing overall academic accomplishments. Read more about the test-optional admission policy.

Tuition Cost:

Tuition and Fees (full-time students): \$49,750

Data Analytics

This degree will extend student learning into core-competencies within the growing field of data analytics. Program expansion into this market is a missional fit by equipping students to advance their careers through the development...

Program Type:

Masters

Program Length:

30 credit hours

Information Systems

This Information Systems program prepares students with a holistic background in technology management including all elements that comprise an organization's digital transformation...

Program Type:

B.S.

Program Length:

7 weeks



Dakota County Technical College

Software Development

This program prepares students to become computer programmers. Learning an array of programming languages used for software development. Students design, write, debug and test application software...

Program Type: Associate of Science
Program Length: 2 years

Network Administration

This program provides students with the knowledge and experience to install and maintain computers, servers, networks and other networking equipment to function in a variety of network environments. Combining a theory-based foundation with hands-on work...

Program Type: Associate of Science
Program Length: 2 years

Location: Rosemount
Phone Number: 651-423-8000

Program Requirements:
Various requirements depending on the type of student. [Learn more.](#)

Tuition Cost:
Total: \$16,246.05

Information Systems Management

This interdisciplinary program combines courses from Networking Administration, Software Development and Information Systems Management to teach a unique blend of networking, programming and management skills...

Program Type: Associate of Science
Program Length: 2 years

Dunwoody College of Technology

Location: Minneapolis
Phone Number: 612-374-5800

Program Requirements:
Various requirements for different programs.

Tuition Cost:
Tuition Average: \$21,251

Computer Networking Systems

Learn to bring hardware, software, and networking solutions to efficiency and productivity. Through hands-on projects, you'll program real-world scripting solutions used to manage enterprise networks...

Program Type: Associate of Science
Program Length: 2 years



Computer Networking Technician

Gain the hands-on experience and entry-level skills needed to get a job in IT support and computer networking with a Computer Networking Technician certificate. Learn the ins-and-outs of computer hardware, software...

Program Type:

Associate of Science

Program Length:

2 years

Computer Systems Analysis

Industry-expert staff will help you gain expertise in the management of information systems and computer security. And through hands-on projects, you will use simulation modeling to create, analyze...

Program Type:

B.S.

Program Length:

4 years

Hamline University

Computational Data Science

Hamline's unique program integrates computer science, mathematics, and statistics in concert with your chosen area of interest, so you are prepared to gather and convert data into the relevant, understandable information decision-makers need.

Program Type:

B.S.

Program Length:

4 years

Location:

St. Paul

Phone Number:

651-523-2207

Program Requirements:

Several requirements and recommendations. [Learn more.](#)

Tuition Cost:

Tuition per credit: \$180.16

Gustavus Adolphus College

Location:

Saint Peter

Phone Number:

507-933-8000

Program Requirements:

High School Transcript Required

Tuition Cost:

Total Cost: \$59,430

Mathematics, Computer Science, & Statistics

Learn to bring hardware, software, and networking solutions to efficiency and productivity. Through hands-on projects, you'll program real-world scripting solutions used to manage enterprise networks...

Program Type:

Associate of Science

Program Length:

2 years



Hennepin Technical College

Information Technology

IT Support will train the student for employment providing service to computer users, including hardware and software installation and technical assistance. Coursework includes experiences and instruction in communication and problem-solving skills as well as technical training...

Program Type:

Diploma

Program Length:

1 year

Location:

Eden Prairie

Phone Number:

952-995-1300

Program Requirements:

New students may submit high school transcript or GED certificate. Transfer students from previously attended non-Minnesota State system colleges should submit college transcript(s). Visiting students can register for courses online without submitting a college application.

Tuition Cost:

Tuition per credit: \$180.16

Hibbing Community College

Computer Science

This program prepares technicians to understand, recommend, operate, install, test, modify and repair microcomputer-type equipment. Concentration is on board level work with microcomputer hardware, software, applications and networking...

Program Type:

Associate of Science

Program Length:

2 years

Location:

Hibbing

Phone Number:

218 262-7200

Program Requirements:

Official high school transcript. If you have attended a Minnesota State institution, an official transcript will be electronically obtained by HCC, provided you do not have any holds on your record at your current or previous institutions.

Tuition Cost:

On campus: \$181.70/credit for residents, \$222.28 for non-residents
Online: \$204.70 per credit for residents, \$245.28 for non-residents

IT Networking & Security

This program prepares technicians to understand, recommend, operate, install, test, modify and repair microcomputer-type equipment. Concentration is on board level work with microcomputer hardware, software, applications and networking...

Program Type:

Diploma

Program Length:

1 year



Inver Hills Community College

Computer Science

Introduces students to computer science and programming with fundamental topics that include problem solving, design strategies and methodologies, organization of data (data structures), approaches to processing data (algorithms)...

Program Type:

Associate of Science

Program Length:

2 years

Network Technology and Security

This program covers the workings of networks and systems from desktop and mobile devices to cloud servers that could be located anywhere in the world. This program prepares students for rewarding careers in the dynamic field of computer networking and security...

Program Type:

A.A.S.

Program Length:

2 years

Lake Superior College

Computer Technology

The computer technology associate of science degree at Lake Superior College is a great place to start and is intended to prepare students to continue their studies at a four-year college.

Program Type:

Associate of Science

Program Length:

2 years

Location:

Inver Grove Heights

Phone Number:

651-450-3000

Program Requirements:

MATH 1118 - College Algebra I (Minimum grade: 2.0 GPA equivalent and Number of Years Valid: 2)

Tuition Cost:

Tuition/Fees: \$20,000



Computer and Web Programming

The computer and web programming associate of applied science will help you build the skills you need to do programming. You'll learn how to develop and maintain effective web sites, Windows and mobile applications.

Program Type:

Associate of Science

Program Length:

2 years

Network Administrator and Cybersecurity

Graduates leave with the skills and knowledge needed to get certified. As a student, you'll learn how to provide technical support for computer networks in business environments.

Program Type: Associate of Science
Program Length: 2 years

Business and Technology

The business and technology associate of science degree is a great place to start in information technology. The business and technology AS degree is intended to prepare students to continue their studies at a four-year college.

Program Type: Associate of Science
Program Length: 2 years

Mesabi Range College

Computer Science

A survey of web programming languages including Javascript, Java, HTML, CGI, and PERL. Basic programming techniques and design issues will be covered. Students will learn features and best applications for various languages.

Program Type: Associate of Science
Program Length: 2 years

Location: Virginia
Phone Number: 218-741-3095

Program Requirements:
High school diploma or a GED. Even without those, you may be admitted if you demonstrate potential for success in college. No standardized tests, high school grades and class rank not considered

Tuition Cost:
Per credit:
Spring 2021: Resident — \$167.22,
Non-Resident — \$209.02
Online: Spring 2021 Resident — \$192.22,
Non-Resident — \$234.02

Macalester College

Location: Brooklyn Park
Phone Number: 651-696-6000

Program Requirements:
Various requirements and recommendations. [Learn more.](#)

Tuition Cost:
Tuition: \$58,248

Mathematics, Statistics, and Computer Science

MSCS students can major in mathematics, applied math and statistics, or computer science. We also offer a minor in data science. Our forward-looking, innovative curriculum is project-based...

Program Type: Masters
Program Length: 2 years



Metropolitan State University

Computer Application Development

The CApp major enables students to become developers who can deploy appropriate technology to solve problems in businesses and organizations. Individuals with strong backgrounds of technical and analytical skills, effective communication abilities...

Program Type:

B.A.S

Program Length:

4 years

Computer Forensics

This program prepares students with knowledge in computer and digital incident investigation, eDiscovery, network and mobile forensics, legal and ethical issues in computing, and computer and privacy laws.

Program Type:

B.A.S

Program Length:

4 years

Computer Science

The computer science major is a solid, flexible program, focused on establishing a firm foundation in computing principles, the development of effective problem-solving and mathematical skills, and the systematic application of theory...

Program Type:

B.S. & Masters

Program Length:

4 years & 2 years

Location:

Minneapolis

Phone Number:

651-793-1302

Program Requirements:

In order to declare a Computer Application Development (CApp) major, students should reference the program eligibility requirements noted in this catalog on the previous page and also noted on a student's Degree Audit Report (DARs).

Tuition Cost:

Varies by specialty, semester, online/in-person, etc. [Learn more.](#)

Computer Information Technology

Course work to develop analytical and problem-solving skills is complemented by hands-on courses in Metropolitan State's computer labs. The CIT major enables students to become developers, designers, or information technology specialists...

Program Type:

B.S.

Program Length:

4 years

Cyber Operations

Discovering and investigating sophisticated breaches and providing adequate responses, going beyond the minds of hackers and analyzing their techniques, tactics, and procedures, intelligence gathering, malware analysis...

Program Type:

Masters

Program Length:

2 years



Cybersecurity

Cybersecurity is a computing-based field that prepares individuals for careers in securing computer systems. It is an interdisciplinary course of study, including instruction in information technology and assurance, computer architecture...

Program Type:

B.S.

Program Length:

4 years



Minneapolis Community and Technical College

Computer Science

This course is designed to provide a basic understanding of computer concepts and applications to show how computers are used in the home, business and organizations. Computer topics covered include essential concepts of computers, the Internet, software basics...

Program Type:

Associate of Science

Program Length:

2 years

Computer Software Development

Minneapolis College's Software Development degree will empower you to systematically analyze problems and create software solutions for business, scientific fields and government. This fast-paced program uses state-of-the-art technology...

Program Type:

Associate of Science

Program Length:

2 years

Location:	Phone Number:
Minneapolis	612-659-6000
Program Requirements:	
Placement score into READ 1300 or completion of READ 0200 or ESOL 0052. Keyboarding skills recommended.	
Tuition Cost:	
Based on 15 credits:	
Fall: \$11,859	
Spring: \$11,859	
Annual: \$23,717	

Computer Support & Network

Administration

This fast-paced program uses state-of-the-art technology and prepares you for success through training in network administration, client/server installation and support and database implementation...

Program Type:

Associate of Science

Program Length:

2 years



Computer Forensics

Interested in a career investigating cybercrime? Minneapolis College's unique Computer Forensics program provides an integrated background in information technology and security, computer forensics, criminal justice, law, investigation and ethics...

Program Type:

Associate of Science

Program Length:

2 years



Minnesota State College Southeast

Network Administration & Technology

Students will learn to meet the challenges of an ever-changing computer-networking environment. Demand for network administrators is high and should continue to grow as firms invest in newer, faster technology and mobile networks.

Program Type:

Associate of Science

Program Length:

2 years

Location:

Minneapolis

Phone Number:

612-659-6000

Program Requirements:

Documentation to validate high school graduation, General Equivalency Diploma (GED), or official transcript documenting an A.A.S. degree or higher.

Tuition Cost:

Approximate rate for resident and non-resident students for 2019-2020 is \$172.30 per semester credit.

Computer Engineering Technology

The two-year associate of applied science degree combines the foundations of electrical hardware, the nuances of programming, and the rigors of process control. Courses are taught on campus in Winona and online.

Program Type:

Associate of Science

Program Length:

2 years

Cyber and Information Security

In addition to networking and digital, computer and electronic forensics, students will become familiar with the various components of the criminal justice system. Students will learn how to collect and maintain evidence, use interpersonal communication skills...

Program Type:

Associate of Science

Program Length:

2 years



Network Administration and Technology

Students will learn to meet the challenges of an ever-changing computer-networking environment. Demand for network administrators is high and should continue to grow as firms invest in newer, faster technology and mobile networks.

Program Type:

Diploma

Program Length:

1 year



Minnesota State Community and Technical College

Cisco Networking

Prepare to take the Cisco Certified Network Associate (CCNA) and the CompTIA Network+ certifications. Cisco-certified technicians have career opportunities related to designing, building and maintaining information technology infrastructure.

Program Type:

Diploma

Program Length:

1 year

Computer Programming

As a student in M State's Computer Programming AAS degree program, you'll learn the programming skills to design and develop computer software and information management systems. Students design, write, code...

Program Type:

Associate of Science

Program Length:

2 years

Cybersecurity

Students in M State's Cybersecurity program will gain a strong foundation in computer and network security, preparing for careers in the expanding and crucial fields of information security. The program focuses on IT security and networking skills networks...

Program Type:

Associate of Science

Program Length:

2 years

Location:

Fergus Falls

Phone Number:

218-736-1500

Program Requirements:

High school/GED

Tuition Cost:

Varies by specialty, semester, online/in-person, etc. [Learn more.](#)



Information Technology

As a student in M State's Information Technology degree program, you'll work with networking, web and database technologies while learning to use hardware and software systems to solve problems for people and organizations.

Program Type:

Associate of Science

Program Length:

2 years



Minnesota State University, Mankato

Computer Application Development

The CApp major enables students to become developers who can apply technology to solve problems in businesses and organizations. Obtaining a major in Computer Application Programming Systems prepares students for a variety of career opportunities.

Program Type:

B.A.S

Program Length:

4 years

Computer Engineering

Computer Engineering (CE) encompasses the research, development, design and operation of computers and computerized systems and their hardware and software components. This area of study leads to a Bachelor of Science in Computer Engineering.

Program Type:

B.A.S

Program Length:

4 years

Location:
Mankato

Phone Number:
507-389-1822

Program Requirements:

[Learn more about the requirements.](#)

Tuition Cost:

[Learn more about the breakdown of fees.](#)

Computer Information Technology

Computer Information Technology (CIT) in its broadest sense encompasses all aspects of computing technology. CIT, as an academic discipline, focuses on meeting the needs of users within an organizational and societal context...

Program Type:

B.A.S

Program Length:

4 years



Computer Science

The field of Computer Science spans a wide range of topics from theoretical and algorithmic foundations to cutting-edge development in computer hardware and software...

Program Type:
B.A.S.

Program Length:
4 years



Minnesota State University Moorhead

Computer Information Systems

The Computer Information Systems degree from Minnesota State University Moorhead is a unique hybrid between management information systems and software engineering, giving you the best of both worlds.

Program Type:
B.S.

Program Length:
4 years

Location:
Moorhead

Phone Number:
218-477-2161

Program Requirements:

High school graduation or GED. ACT score of 21 (SAT score: 1060) or higher or ACT score of 17-20 (SAT score: 920-1050) and either: class rank 50th percentile or higher or a cumulative GPA of 3.0 or higher or a cumulative GPA of 3.25.

Tuition Cost:

[Learn more about the breakdown of fees.](#)

Computer Information Technology

If maintaining computers and related technology is something you enjoy, Minnesota State University Moorhead's Computer Information Technology major may be for you. In this program you'll study how to manage servers, networks, routers and user accounts, as well as develop computer software.

Program Type:
Minor

Program Length:
4 years

Computer Science

If you're looking to pursue a Computer Science degree at Minnesota State University Moorhead, nothing about computers will remain a mystery. The Computer Science major delves deep into the inner working of computers, with a heavy emphasis placed on programming and mathematics...

Program Type:
B.S.

Program Length:
4 years



Minnesota West Community and Technical College

Computer and Information Technology

The program is specifically designed to maximize transferability into the Bachelor of Applied Science (B.A.S.) at Minnesota State University, Mankato, MN.

Program Type:

Associate of Science

Program Length:

2 years

Location:

Worthington

Phone Number:

800-658-2330

Program Requirements:

High school diploma or General Education Diploma (GED)

Tuition Cost:

Total per Credit with Fees: \$197.88, Online: \$210.38

Computer Applied Technology

The completion of the Computer Applied Technology Degree offers the student an opportunity to transfer into several articulated Baccalaureate programs. While students concentrate on an area of study in computer science, they are assured that after completion of this degree...

Program Type:

Associate of Science

Program Length:

2 years

Computer Science

The Associate of Arts Degree is a Liberal Arts transfer degree. While an A.A. degree might include a core of courses appropriate to the transfer track of the major field of Computer Science at the baccalaureate level, its focus is on general education...

Program Type:

Associate of Arts

Program Length:

2 years

Computer Specialist

The Computer Specialist A.A.S. Degree provides the student with a career entry employment opportunity for a wide variety of employers including manufacturers, data processing companies, banks, insurance companies, bookkeeping companies and departments...

Program Type:

Associate of Applied Science

Program Length:

2 years

Computer Science

The Computer Science A.S. program is designed to provide students the option to enter the computer related job market on completion or optionally transfer to Southwest Minnesota State University at Marshall, MN to complete the Bachelor of Science in the Computer Science degree.

Program Type:

Associate of Science

Program Length:

2 years



Computer Web Development

This degree prepares the student for the evolving Internet business settings including manufacturing, data processing, software development, banking, financing, insurance companies, government agencies, colleges, and universities...

Program Type: Associate of Science
Program Length: 2 years

Computer & Networking Technology

This degree provides hands-on training in computer hardware, operating system and networks. Students learn skills necessary to provide support of industry leading computer systems and networks.

Program Type: Associate of Applied Science
Program Length: 2 years

Information Security and Assurance

This program prepares students to assess, administer, and secure computer information systems and networks by performing technical security audits and implementing technical information solutions to bring networks into compliance.

Program Type: Associate of Applied Science
Program Length: 2 years



North Hennepin Community College

Location: Brooklyn Park
Phone Number: 763-488-0391

Program Requirements:
Submit official high school transcript or GED certificate if you graduated in the past 5 years. Submit test scores, such as ACT, SAT, or ACCUPLACER test scores.

Tuition Cost:
[Learn more about the breakdown of fees.](#)

Computer Science Transfer Pathway

The Computer Science Transfer Pathway AS offers students a powerful option: the opportunity to complete an Associate of Science degree with course credits that directly transfer to designated Computer Science bachelors degree programs at Minnesota State Universities...

Program Type: Associate of Science
Program Length: 2 years



Data Science

Data scientists require knowledge in a variety of information technology sub-fields, including algorithms, data structures, programming languages and statistical methods. While the field of Data Science is computer science centric, statistical and domain expertise is required...

Program Type: Associate of Science
Program Length: 2 years

Game Programming Certificate

The Game Programming Certificate provides students with an opportunity to learn how to create interactive computer games, including web-based ones. It targets students who want to acquire skills needed for game design and programming...

Program Type: Diploma
Program Length: 1 year

.NET Programming Certificate

The .NET Programming Certificate provides students with an opportunity to learn .NET application development. It targets students who want to acquire skills needed for .NET programming, web programming, and web site development...

Program Type: Diploma
Program Length: 1 year

Application Programming Certificate

The Application Programming Certificate helps students to build and develop an understanding for designing, coding, testing and debugging applications in various programming languages.

Program Type: Diploma
Program Length: 1 year

Internet Programming Certificate

The Internet Programming Certificate concentrates on the methodological and technical aspects of software design and programming. The students will acquire expertise in software design, coding and testing in addition to essential knowledge of development methodology.

Program Type: Diploma
Program Length: 1 year

Object-Oriented Programming Certificate

The ObjectOriented Programming Certificate provides students with the opportunity to learn the fundamentals and more advanced topics of objectoriented design and programming...

Program Type: Diploma
Program Length: 1 year



Web Graphic Design and Programming and E-Commerce Certificate

This program is a broadbased introduction to designing and scripting small business marketing and commercial websites. Students learn the basic principles behind effective design and web programming, including uploading content to the Internet and the basics of ecommerce.

Program Type:

Diploma

Program Length:

1 year



North Hennepin Community College

Cisco Networking

This program prepares students to take the Cisco Certified Network Associate (CCNA) certification and also the CompTIA Network+ certification. The course work includes Cisco semesters 1 - 4. Skill development covers LAN/WAN networking technology and concepts...

Program Type:

Diploma

Program Length:

1 year

Computer & Network Technology

The Computer & Network Technology Associates degree offers students both theory and hands-on training in computer equipment servicing and networking. Computer skills development covers the hardware and software systems of current computer technology...

Program Type:

Associate of Science

Program Length:

2 years

Location:
East Grand Forks

Phone Number:
218-793-2800

Program Requirements:
Official high school transcript or GED.

Tuition Cost:
Varies by specialty, online/in-person, etc.
[Learn more.](#)

IT Cybersecurity

The program offers students both theory and hands-on training in computer equipment servicing, networking and Cybersecurity. Computer skills development covers the hardware and software systems of current computer technology...

Program Type:

Associate of Science

Program Length:

2 years



Pine Technical and Community College

Computer Programming

Through this degree and the emphasis in Mobile App Development and Web Programming, you can attain the skills that are essential to addressing the needs of the modern business world. All three program options are taught in modern facilities, with a focus on hands-on learning...

Program Type: Associate of Applied Science **Program Length:** 2 years

Cyber-Security

As a cyber security student, you will gain skills and knowledge in: open source applications, Linux operating systems, Microsoft technologies, wireless technologies, web application technologies, network implementation...

Program Type: Associate of Applied Science **Program Length:** 2 years

Location: Pine City **Phone Number:** 320-629-5100

Program Requirements:
[Learn more about the program's specific requirements.](#)

Tuition Cost:
Total Tuition and Fees: \$20,322

Network Administration

The Network Administration degree program at Pine Technical & Community College prepares graduates to administer and manage complex local area networks (LANs) as well as wide area networks (WANs) in multiple environments.

Program Type: Associate of Applied Science **Program Length:** 2 years



Computer Programming

Through this degree and the emphasis in Mobile App Development and Web Programming, you can attain the skills that are essential to addressing the needs of the modern business world. All three program options are taught in modern facilities, with a focus on hands-on learning...

Program Type: Associate of Applied Science **Program Length:** 2 years

Cyber-Security

As a cyber security student, you will gain skills and knowledge in: open source applications, Linux operating systems, Microsoft technologies, wireless technologies, web application technologies, network implementation...

Program Type: Associate of Applied Science **Program Length:** 2 years

Cyber-Security

As a cyber security student, you will gain skills and knowledge in: open source applications, Linux operating systems, Microsoft technologies, wireless technologies, web application technologies, network implementation...

Program Type: Associate of Applied Science **Program Length:** 2 years

Computer Programming

Through this degree and the emphasis in Mobile App Development and Web Programming, you can attain the skills that are essential to addressing the needs of the modern business world. All three program options are taught in modern facilities, with a focus on hands-on learning...

Program Type: Associate of Applied Science **Program Length:** 2 years

Network Administration

The Network Administration degree program at Pine Technical & Community College prepares graduates to administer and manage complex local area networks (LANs) as well as wide area networks (WANs) in multiple environments.

Program Type: Associate of Applied Science **Program Length:** 2 years

Network Administration

The Network Administration degree program at Pine Technical & Community College prepares graduates to administer and manage complex local area networks (LANs) as well as wide area networks (WANs) in multiple environments.

Program Type: Associate of Applied Science **Program Length:** 2 years



Ridgewater College

Computer Programmer

Computer programming requires a commitment to life-long learning more than a magic number of college years for this ever-evolving industry. Students of all ages choose Ridgewater College to launch a rewarding computer career.

Program Type:

Associate of Science

Program Length:

2 years

Computer Support Technician

Get your hands on computer brains, guts and lifelines as you learn installation, management, and troubleshooting for all kinds of businesses... This allows students to learn virtualized resource management in the cloud and to work on different operating systems.

Program Type:

Associate of Science

Program Length:

2 years

Network Systems Administrator

Network Systems Administration students learn to keep a company or organization computer network current and dependable. Job demand is great for students of all ages who choose Ridgewater College to launch a rewarding, high-pay network career...

Program Type:

Associate of Science

Program Length:

2 years

Location:

Willmar

Phone Number:

320-222-5200

Program Requirements:

High school students interested in participating in the Postsecondary Enrollment Option program, please refer to PSEO Admission Policy. Basic requirement high school diploma or (GED).

Tuition Cost:

[Learn more about the breakdown of fees.](#)

Cyber Security Specialist

Ridgewater's Computer Systems Technology department was a natural for recently expanding into cyber security training. Ridgewater has some of the most advanced, state-of-the-art equipment and computer facilities...

Program Type:

Associate of Science

Program Length:

2 years



Riverland Community College

Computer Technology

The first year of this degree exposes you to a variety of computer careers. In the second year, you will specialize by choosing one or more certificates.

Program Type:

Associate of Science

Program Length:

2 years

Location:

Albert Lea

Phone Number:

507-379-3300

Program Requirements:

[Learn more about the specific program requirements.](#)

Tuition Cost:

[Learn more about tuition and estimate your cost.](#)

Cyber Security

You can count on individual attention from our highly-qualified instructors. Your courses will focus on the development of technical competency in the configuration and maintenance of security hardware and software at the desktop, server and network layers.

Program Type:

Associate of Science

Program Length:

2 years

Fundamentals of Network Security

This one-year Riverland program will teach you to design and implement security solutions that can reduce the risk of revenue loss and vulnerability. Your classes will be a combination of hands-on experience, instructor led training and e-learning...

Program Type:

Diploma

Program Length:

1 year

Rochester Community and Technical College

Location:

Rochester

Phone Number:

507-285-7210

Program Requirements:

Rochester Community and Technical College is an open door institution, which means all applicants who have earned a high school diploma or GED shall be admitted.

Tuition Cost:

Cost per credit: In-State — \$193.90,
Out-State — \$193.90

Web Design

There are many opportunities in Web Design careers such as designing the look-and-feel of websites, developing websites, creating web content for mobile devices, conducting usability and accessibility studies of websites...

Program Type:

Associate of Science

Program Length:

2 years



Computer Information Systems

The Computer Information Systems AS offers students a powerful Computer Science option with an emphasis in Accounting and Economics...

Program Type:

Associate of Science

Program Length:

2 years

Computer Science Transfer Pathway

The Computer Science Transfer Pathway AS offers students a powerful option: the opportunity to complete an Associate of Science degree with course credits that directly transfer to designated Computer Science bachelor's degree programs at Minnesota State universities...

Program Type:

Associate of Science

Program Length:

2 years

Saint Mary's University of Minnesota

Cybersecurity

Cybersecurity specialists work to keep computer information systems secure. Some of the top cybersecurity positions include: security analyst, security architect, security software developer, security engineer, information security officer, and penetration tester.

Program Type:

B.A., Masters

Program Length:

4 years, 2 years

Data Analytics

Students study data analysis, business forecasting, modeling, operations management, market analysis, and project management techniques, along with programming and information technology skills.

Program Type:

B.A.

Program Length:

4 years

Information Technology

You'll finish your degree studying technology systems, cloud technology, security, and communication, as well as critical thinking, leadership and ethics.

Program Type:

Masters

Program Length:

2 years

Location:

Winona

Phone Number:

800-635-5987

Program Requirements:

Official high school transcript
Official test scores (ACT/SAT) or Classic Learning tests are accepted. An essay or brief personal statement.

Tuition Cost:

Tuition: \$37,650



Saint Paul College

Computer Graphics and Visualization

The programs in the Digital Graphics and Interactive Multimedia department at Saint Paul College prepare students for jobs in the exciting computer graphics and animation field...

Program Type:

Associate of Science

Program Length:

2 years

Web Design

The Web Design Certificate program is intended to give students the skills needed to work as a web designer. The classes required for this certificate will provide students the opportunity to learn about the software packages that are used to develop the visual look and feel of a website...

Program Type:

Diploma

Program Length:

1 year

Java Programming

The 24-credit Java Programming Certificate program explores the Java programming language and computing platform. The certificate program includes a foundation course in computer science, a web fundamentals course, and an in-depth study of databases...

Program Type:

Diploma

Program Length:

1 year

Location:

St. Paul

Phone Number:

651-846-1600

Program Requirements:

Reading: Score of 250+ or grade of "C" or better in READ 0722 Writing: Score of 250+ on Reading Comprehension or grade of "C" or better in ENGL 0922 Quant. Reasoning, Algebra & Stats: Score of 270+ or Adv. Algebra & Functions: Score of 250+ or grade of "C" or better in MATH 0920 Assessment Results and Prerequisites

Tuition Cost:

[Learn more about the breakdown of fees.](#)

Web Based 2D Game Development

The 24-credit Web Based 2D Game Development Certificate program explores video game creation. The certificate is ideal for students who want to acquire skills needed for game design and programming.

Program Type:

Diploma

Program Length:

1 year

Software Engineering

The software engineering program combines the theory behind good software engineering practices along with applied projects throughout the IEEE standardized curriculum...

Program Type:

B.S.

Program Length:

4 years



Computer Network Engineering

The Network Administration Certificate is designed for individuals who already have acquired at least a minimum level of technical computer skills, either through previous education, training, and/or experience. It is designed to enhance one's current computer knowledge and skills.

Program Type:

Associate of Science

Program Length:

2 years

Computer Programming

The programming/coding language(s) used depends on the nature of the problem and the languages available to the programmer at his/her installation. Programmers/Coders need above average communications and math skills...

Program Type:

Associate of Science

Program Length:

2 years

Computer Science Transfer Pathway

The Computer Science Transfer Pathway Associate of Science (AS) Degree is designed to provide students with opportunities for immediate employment or for transfer to four-year institutions with whom we have credit transfer agreements.

Program Type:

Associate of Science

Program Length:

2 years

CyberSecurity

CyberSecurity is a field that prepares individuals for careers in information assurance. Topics of study within the CyberSecurity programs will include instruction in information assurance, computer architecture, programming, and systems analysis; networking; cryptography...

Program Type:

Associate of Science

Program Length:

2 years

Data Science

Data Science uses the techniques and theories from many different fields of study including mathematics, statistics, computer science, and information theory. Data scientists sort through great amounts of unstructured data such as emails...

Program Type:

Associate of Science

Program Length:

2 years

Web Development

The 24-credit Web Development Certificate program providing a foundation in current web technologies. It features a two course sequence in client side programming including AJAX, and also coverage of at least two current server side technologies...

Program Type:

Diploma

Program Length:

1 year



South Central College

Information Systems

This program is designed to prepare the learner for a career as a computer programmer, programmer/analyst, database programmer, database administrator, technical writer, technical support specialist, help desk specialist...

Program Type:

Associate of Science

Program Length:

2 years

Location:

North Mankato

Phone Number:

507-537-6286

Program Requirements:

Required Technical Courses (6 Courses), Technical Electives (5 Courses), Required Capstone (2 Credits), Required Arts and Sciences (3 Courses), Choose an additional 4 credits from MNTC Goal Areas 2,3,5,6,7,8,9 or 10

Tuition Cost:

Tuition and Fees Cost Per Credit

Total: \$187.87

Online Courses: \$219.87

Networking Service

This program prepares the learner with the core skills necessary for a technical support position with a focus on networking services. Training is emphasized in the areas of installing, maintaining, and troubleshooting personal computers, computer networks, and peripheral devices...

Program Type:

Associate of Science

Program Length:

2 years

Information Systems

This program is designed to prepare the learner for a career as a computer programmer, programmer/analyst, database programmer, database administrator, technical writer, technical support specialist, help desk specialist, web designer, web developer...

Program Type:

Diploma

Program Length:

1 year

Networking Service

This program prepares the learner with the core skills necessary for a technical support position with a focus on networking services. Training is emphasized in the areas of installing, maintaining, and troubleshooting personal computers, computer networks...

Program Type:

Diploma

Program Length:

1 years

Cloud Computing and Virtualization

This certificate provides a complete introduction to Cloud Computing, virtualization, legacy hardware and software considerations and approaches to transitioning information technology from legacy systems to a shared managed service model...

Program Type:

Diploma

Program Length:

1 year



Web Programmer

This program is designed for the individual looking to expand their knowledge of web programming and applications. Learners will focus on skills and software that allow for the behind-the-scenes functions of a website...

Program Type:

Diploma

Program Length:

1 year



Southwest Minnesota State University

Computer Science

The Computer Science Program offers a bachelor of science degree and a minor in computer science. The major is designed to meet two goals: first, to prepare the student to enter the job market upon graduation, and secondly to provide a solid background in computer science...

Program Type:

B.S.

Program Length:

4 years

Location:

Marshall

Phone Number:

507-537-6286

Program Requirements:

Rank in the upper half of graduating class or Score a composite of 21 or above on the ACT or 990 on the SAT

Tuition Cost:

Undergraduate Total: \$21,818

Graduate Total: \$20,850

St. Catherine University

Location:

St. Paul

Phone Number:

651-690-6000

Program Requirements:

Rochester Community and Technical College is an open door institution, which means all applicants who have earned a high school diploma or GED shall be admitted.

Tuition Cost:

Cost per credit: In-State — \$193.90,

Out-State — \$193.90

Data Science

As a data science major, you'll have the opportunity to acquire a broad background in theoretical mathematics, applied statistics, and computer science in an environment that deeply values personal interaction and collaborative research.

Program Type:

B.S.

Program Length:

4 years



St. Cloud State University

Computer Engineering

Students who major in computer engineering will work to create faster, more useful and more efficient computer systems and instruments for use in a global environment... develop the engineering and research skills in top demand by high-technology...

Program Type:

Associate of Science

Program Length:

2 years

Computer Science

Students who major in computer science will find themselves with the skills that drive advances in tomorrow's business, industry and homes. You'll be taught by a diverse faculty whose global research and reputations mean you'll focus on the latest computer science advancements...

Program Type:

Associate of Science

Program Length:

2 years

Cybersecurity

Students who major in cybersecurity will work on issues with global impact in a field that is evolving almost daily. You'll learn to assess the security needs of a computer and network system, recommend safeguards and manage the implementation and maintenance of security devices...

Program Type:

Associate of Science

Program Length:

2 years

St. Cloud Technical and Community College

Location:

St. Cloud

Phone Number:

320-308-5089

Program Requirements:

Official copy of high school transcripts if you have graduated in the last five years. If you graduated high school more than five years ago, you do not need to provide your high school transcripts.

Tuition Cost:

Varies on program, online/in-person, etc. [Learn more.](#)

Computer Programming

A degree in Computer Programming from SCTCC gives graduates flexibility to work almost anywhere. From desktop computers to mobile devices, students will gain a variety of skills from setting program requirements, testing and debugging, to ensuring...

Program Type:

Associate of Science

Program Length:

2 years



Information Technology

IT Support will train the student for employment providing service to computer users, including hardware and software installation and technical assistance...

Program Type:

Associate of Science

Program Length:

2 years



St. Olaf College

Computer Science

St. Olaf's Computer Science (CS) curriculum offers a breadth-first introduction to CS and develops the analytical thinking skills needed for later courses. Starting with the first course, the program emphasizes...

Program Type:

B.S.

Program Length:

4 years

Location:

Northfield

Phone Number:

507-786-2222

Program Requirements:

Various requirements. [Learn more.](#)

Tuition Cost:

Overall Tuition: \$62,880

University of Minnesota (Twin Cities, Duluth, Morris, Crookston)

Location & Phone Number:

Minneapolis/St.Paul, 612-625-2008

Morris, 888-866-3382

Duluth, 218-726-7106

Crookston, 218-281-6510

Program Requirements & Cost:

Learn more on each location's admissions page.

Computer Science (TC)

Computer science concerns the study of the hardware, software, and theoretical aspects of high-speed computing devices and the application of these devices to a broad spectrum of scientific, technological, and business problems...

Program Type:

B.A.

Program Length:

4 years



Computer Science (TC)

The M.S. program in the Computer Science and Engineering (CS&E) department has three tracks a student may choose to pursue: Plan A, a thesis based degree, Plan B project-based degree and Plan C a coursework only M.S. Degree...

Program Type:

M.S.C.

Program Length:

2 years

Computer Science (Morris)

The University of Minnesota, Morris computer science program combines a strong theoretical basis with extensive hands-on experience to develop long-term concepts and skills—preparing Morris graduates for the ever-changing computer science field.

Program Type:

B.A.

Program Length:

4 years

Software Engineering (Crookston)

The software engineering program combines the theory behind good software engineering practices along with applied projects throughout the IEEE standardized curriculum...

Program Type:

B.S.

Program Length:

4 years

Computer Science (TC)

The Ph.D. in Computer Science is a research degree which culminates in a unique dissertation that demonstrates original and creative research. The Ph.D. program is intended to be completed by students who are physically on campus, and not an online program.

Program Type:

Doctorate

Program Length:

4 years

Computer Science (Duluth)

IT Support will train the student for employment providing service to computer users, including hardware and software installation and technical assistance. Coursework includes experiences and instruction in communication and problem-solving skills as well as technical training...

Program Type:

Masters of Science

Program Length:

4 years



University of Northwestern

Computer Science

Low level technical skills in programming and application development, medium level applied mathematical skills for computations and simulations, high level design and analysis skills, and application with databases...

Program Type:

B.S.

Program Length:

4 years

Location:

St. Paul

Phone Number:

651-631-5111

Program Requirements:

[Learn more about the requirements and recommendations.](#)

Tuition Cost:

Per semester: \$21,600

Annual Cost: \$43,200

University of St. Thomas

Computer Engineering

Hands-on, experiential learning in small groups facilitated by faculty with real-world experience. You will apply your curiosity and creativity to enhance your understanding of topics in computing systems, digital artificial...

Program Type:

B.S.

Program Length:

4 years

Location:

St. Paul

Phone Number:

651-962-5000

Program Requirements:

Complete the University of St. Thomas Core Curriculum requirements and Computer Engineering major requirements and allied requirements.

Tuition Cost:

[Learn more about the breakdown of fees.](#)

Computer Science

Skills needed to transform computers into highly applicable tools in a variety of careers by learning skills from faculty with expertise in artificial intelligence, computer security, robotics and so much more..

Program Type:

B.S.

Program Length:

4 years

Data Analytics

Choose an area of expertise while developing the statistical and computational skills and knowledge you will need to ask meaningful data-centered questions about your particular area of interest at the same time.

Program Type:

B.S.

Program Length:

4 years



Winona State University

Location: Winona
Phone Number: 507-457-5100

Program Requirements:
3.00 GPA or higher without an ACT/
SAT or top 50% of class rank or 2.75
GPA or higher with an ACT/SAT of 21
or higher.

Tuition Cost:
In-State Tuition: \$18,994
Out-of-State Tuition: \$25,174

Applied Computer Science

44 S.H. (no minor required)
2.5 GPA required.
C grade or better required in major
courses.
Students are allowed to attempt
CS courses at most 3x (including
withdrawals).

Program Type: B.S.
Program Length: 4 years

Computer Science (CSRC)

This course is an undergraduate
research seminar designed for upper-
level computer science students.
Students choose, with the help of
faculty, an undergraduate research
thesis topic. Computer science
research methods are introduced...

Program Type: B.S.
Program Length: 4 years

Bioinformatics (BINF)

The bioinformatics minor is designed
to provide students with a thorough
understanding of the concepts and
topics in bioinformatics. Students
will gain knowledge and skills to use
computational tools and computing
technology to model, analyze, store...

Program Type: Associate of Science
Program Length: 2 years

Computer Technology (COMT)

The Computer Technology minor is
designed to provide students with
a solid understanding of computer
technology. Students will gain both the
skills and confidence necessary to use
computer technology appropriately
and effectively for problems in their
disciplines...

Program Type: Associate of Science
Program Length: 2 years



This Guide is updated every six months.
Want to be included in the next
volume? Contact us at:

info@tech.mn

[@TechDotMN](https://www.tech.mn)

Learn a ton more about us:

[tech.mn](https://www.tech.mn)

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