

**Anoka-Ramsey Community College Transfer Guide**  
**University of Minnesota**  
**College of Continuing and Professional Studies (CCAPS)**

**Information Technology Infrastructure**

Are you looking for a job that is in high demand? Do you want to advance your career in IT management? If so, the Information Technology Infrastructure (ITI) program at the University of Minnesota is for you.

The Bachelor of Applied Science degree is a nationally recognized, four-year practitioner-oriented degree. The curriculum is designed and the courses are taught by industry professionals and University faculty. ITI faculty focus on actual business issues and relate classroom experiences to the workplace.

The ITI program is

- industry-driven and grounded in current industry practices and technologies;
- multidisciplinary, to help you develop the broad base of knowledge you'll need in the field;
- supportive, with small classes, responsive advisers, and easy access to faculty;
- flexible, with evening and online courses.

With course work in systems and network administration, data management and security, finance, quality management, and leadership and communication, this program will prepare you to

- advance to higher-level technical, supervisory, and leadership positions;
- design, construct, and manage IT operations;
- address the IT infrastructure challenges of a dynamic global business climate, including distributed Web and mobile systems;
- contribute technical expertise in a specialized IT infrastructure area;
- apply strong problem-solving, analytical, and communication skills to business objectives.

Special focus subplans available:

- Data Science
- Data Management
- Systems
- Security
- DevOps
- Networking

**Major Admission Prerequisites**

University of Minnesota-Twin Cities (UMTC) Course Title	UMTC Course Number	ARCC Course Number
Calculus I* (Mathematical Thinking LE)	Math 1142 or 1271	Math 1310 or 1400
Physics I and Lab* (Physical Science LE)	Phys 1101W or 1107 or 1301W	Phys 1317 or 1327
Intro to Computing & Programming Concepts*	CSci 1103 or CSci 1113 or CSci 1133	CSci 1106 & 1155
Intro to Algorithms and Data Structures*	CSci 1913 or CSci 1933	CSci 1107
Machine Architecture and Organization*	CSci 2021	CSci 2253

## Preparatory Courses

University of Minnesota-Twin Cities (UMTC) Course Title	UMTC Course Number	ARCC Course Number
English Composition	Writ 1301 or 1401	Engl 1121
Public Speaking or Interpersonal Communication	Comm 1101 or 1313W or 3402 or 3411, or PSTL 1461, or WRIT 3257	Spch 1110 or 2215 or 2220
Introduction to Statistics	Stat 1001 or 3011 or PSTL 1004 or OMS 2550	Math 1110
Financial Accounting	Acct 2050	Bus 1125
Technical Writing	ABus 4023W, or Writ 3001 or 3152W or 3562W, or Phys 1101W or 1301W	Engl 1104
Microeconomics	Econ 1101 or APEC 1101 (fulfills Soc Sci & GP LEs)	Econ 2206
C Programming Language & Applications	INet 3101	Not offered
Web Infrastructure or Discrete Structures of Computer Science**	INet 3102 or CSci 2011**	Math 2100

\* Required completion (or in progress) before official admission to the U of MN Bachelor of Applied Information Technology Infrastructure (ITI) major.

\*\* Required to enroll in UMN CSci courses beyond ITI major requirements. At UMN, Calculus I is prerequisite.