



Information Technology Program Description(s)

Industry Description

The graduate will be a specialist in one of the areas of concentration in Information Technology (IT), but will also have a broad base of foundational knowledge from the common core courses that span the four areas of concentration. Professional standards, proper methodology such as sound engineering principles and project management, will be emphasized throughout the courses.

Wages/Outlook

Wage information is available from the Minnesota Department of Education and the [Minnesota Department of Employment and Economic Development](#)

Program Description

The Information Technology AAS degree is designed to prepare graduates to successfully compete for high-paying, rewarding careers in IT fields with the highest demand, both today and in the future. The program requirements were determined through consultation with employers, those working in the industry, technical training professionals, and those currently seeking training and retraining for IT careers.

The IT degree has an initial curriculum of over 90 courses in four career areas of concentration:

- **Information System Analyst**
- **Network Analyst**
- **Multimedia & Game Programming**
- **Software Development**
- **Web Design & Development**
- **Convergence Technology**

Graduates will be encouraged to take advantage of access to corporate recruitment and IT recruiting firms. Internships and work-study positions will also be available. The IT graduate will be highly employable - in many cases, even before graduation.

This information is available in alternative formats by calling (763) 576-4700. TTY users can call Minnesota Relay at (800) 627-3529. Anoka Technical College • (763) 576-4700 • 1355 West Highway 10, Anoka, MN 55303 • A member of the Minnesota State Colleges and Universities System • Anoka Technical College is an equal opportunity, affirmative action employer and educator.

This program is different in several ways. While allowing technical specialization in one option, the common core courses and required electives taken from other options build the broad IT foundation needed to understand the terminology and methodologies of other IT specialties in the workplace.

IMPORTANT ACCUPLACER Test Requirement: ACCUPLACER testing in math, reading and writing. Any needed developmental courses must be completed before receiving a diploma or an A.A.S. award.

Length of Program

AAS Degree 72 credits

Start Dates

Fall Semester: August, October

Spring Semester January, March

There are also multiple options to start each semester!

Program Contact

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For information on how to apply or to schedule a campus tour please contact the [Admissions Office](#) phone at (763) 576-4700 or by E-mail at info@anokatech.edu

Information Technology - 2011/2012
Associate of Applied Science Degree
72 Credits

General Education **18 Credits**

Eighteen (18) general education credits of MN Transfer Curriculum are required.
Required General education courses:

- TLIT1000 – Technology Literacy goal area (2)
 - NOTE – TLIT1000 must be taken during the first semester
- A transferable math course goal area (4)
 - NOTE - Math may have a prerequisite depending on your accuplacer assessment score.

The balance of general education must be taken from two (2) or more goal areas.
Refer to the ATC website for a list of the Minnesota Transfer Curriculum courses and their goal areas:

www.anokatech.edu/collegecatalog/mntransfercurriculum.htm

IT Core Curriculum **22 Credits**

ITEC1000	Networking Technologies	4
ITEC2100	Programming Logic & Design	4
ITEC1015	Web Programming Technologies	4
ITEC1025	Project Management	4
ITEC1030	IT Internship	2
ITEC2900	Integrated Capstone Project	4

Upon completion of the IT Core Curriculum students will choose one of the following areas of specialty.

Convergence Technologies **34 credits**

ITEC2100	Windows Network Administration	8
ITEC2210	Wireless Communications & Security	2
ITEC2115	IT Support & Security	4
ITEC2215	Linux/Web Server Administration	4
ITEC2400	Convergence Fundamentals	4
ITEC2406	Switching & Routing	6
ITEC2410	Wide Area Technologies	2
ITEC2415	Virtualization Technologies	4

Information System Analyst 32 Credits

ITEC2105	JAVA Programming	4
ITEC2113	.NET Technologies	4
ITEC2115	IT Support & Security	4
ITEC2120	DB Design & SQL	4
ITEC2126	Information Systems Analysis	4
ITEC2136	Web Data Technologies	4
ITEC2500	Android Programming	4
ITEC2140	Business Intelligence	4

Mobile Development 32

ITEC2105	JAVA Programming	4
ITEC2113	.NET Technologies	4
ITEC2115	IT Support & Security	4
ITEC2126	Information Systems Analysis	4
ITEC2500	Android Programming	4
ITEC2505	iPad/Phone Programming	4
ITEC2510	Objective C Programming	4
ITEC2136	Web Data Technologies	4

Multimedia & Game Programming 38 Credits

ITEC2105	JAVA Programming	4
ITEC2310	Graphic Design Technologies	4
ITEC2315	Flash Design & Development	4
ITEC2325	Gaming Technologies	4
ITEC2330	Advanced Gaming Technologies	4
ITEC2335	Game Testing	4
ITEC2340	Game Scripting Languages	2
ITEC2500	Android Programming	4
ITEC2505	iPad/Phone Programming	4
ITEC2510	Objective C Programming	4

*****MGP students do not take the Integrated Capstone Project class or the IT Internship**

Network Analyst 32 credits

ITEC2115	IT Support & Security	4
ITEC2126	Information Systems Analysis	4
ITEC2200	A+ Core Technologies	6
ITEC2205	Windows Network Administration & Design	8
ITEC2210	Wireless Communications & Security	2
ITEC2215	Linux/Web Server Administration	4
ITEC2225	Network Security Fundamentals	4

Software Development **32 Credits**

ITEC2105	JAVA Programming	4
ITEC2113	.NET Technologies	4
ITEC2120	DB Design & SQL	4
ITEC2136	Web Data Technologies	4
ITEC2145	Database Programming	4
ITEC2340	Scripting Languages	4
ITEC2500	Android Programming	4
ITEC2900	Integrated Capstone Project	4

Web Design & Development **32 Credits**

ITEC2113	.NET Technologies	4
ITEC2120	DB Design & SQL	4
ITEC2126	Information Systems Analysis	4
ITEC2136	Web Data Technologies	4
ITEC2310	Graphic Design Technologies	4
ITEC2315	Flash Design & Development	4
ITEC2340	Scripting Languages	4
ITEC2345	Advanced Scripting Technologies	4