Program Information

The Anoka Technical College Software Development diploma is a 57-credit program 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 provides students with the basis to become a professional software developer. The curriculum combines theoretical design and analysis instruction with extensive hands-on implementation practice using today's hottest software development environments. Students learn the skills necessary to be successful business analysts and software developers. 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.

This unique program allows technical specialization in Software Development while the common core courses and required electives from other specializations build the broad IT foundation needed to understand the terminology and methodologies of other IT specialties in the workplace.

Graduates are encouraged to take advantage of access to corporate recruitment and IT recruiting firms. Internships and work study positions are available. IT graduates are highly employable, in many cases even before graduation.

Program Learning Outcomes

By completing this program, students will achieve the following learning outcomes.
1. Apply critical thinking skills in the identification, analysis and resolution of information technology problems.
2. Exhibit interpersonal skills and a professional attitude while working in an information technology environment.
3. Clearly express ideas and information in written and spoken form.
4. Analyze, design and document system specifications to meet client needs.
5. Apply project management techniques to solve business problems.
6. Collaborate with a team to design and develop customer software-based solutions and integrate them into the user environment.

Course Prerequisites

Some courses may require appropriate test score or completion of basic math, basic English and/or reading courses with a "C" or better.

ITEC 1002, ITEC 1016, ITEC 1070, ITEC 2100, and TLIT 1005 are first semester courses and prerequisite to other courses in this major.

Graduation Requirements

All Anoka Technical College students seeking an Associate in Applied Science (AAS), diploma, or certificate must meet the cumulative grade point average (GPA) of 2.0 or higher.

Transfer Opportunities

To see how credits from this program may transfer into other Anoka Technical College programs or into a program at another college, visit:
- Minnesota Transfer: (www.mntransfer.org/students/plan/s_agreements.php?numResults=25&archive=false&from_inst=70&from_prog=&to_inst=&Search=Search)

- Anoka Technical College transfer student: (www.anokatech.edu/BecomeStudent/Transfers.aspx)

Industry Information

Anoka Technical College Information Technology graduates will be specialists in their area of emphasis and will also have a broad base of foundational knowledge from the common core courses that span the seven emphasis areas. Professional standards, proper methodology and project management will be emphasized throughout the courses.

Wages/Outlook/Advancement

Wage information is available from the Minnesota Department of Employment and Economic Development (https://mn.gov/deed/job-seekers/job-outlook/).

Gainful Employment

Follow this link for a Gainful Employment Report.

Technical Education: 57 Credits

☐ ITEC 1002	Networking Fundamentals		3
☐ ITEC 1016	Web Development Technologies		4
☐ ITEC 1025	Project Management		4
☐ ITEC 1035	Documentation Standards		2
☐ ITEC 1070	IT Support		1
☐ ITEC 2100	Programming Logic & Design		4
☐ ITEC 2105	JAVA Programming		4
☐ ITEC 2120	DB Design & SQL		4
☐ ITEC 2311	User Interface Experience		4
☐ ITEC 2347	Software and Game Testing		4
☐ ITEC 2340	Scripting languages		4
☐ ITEC 2501	Android Application Development		4
☐ ITEC 2600	Application Development		4
☐ ITEC 2601	Database Application Development		4
☐ ITEC 2901	Integrated Capstone Project		4
☐ TLIT 1005	Technology Fundamentals		3

Also see AAS degrees and diplomas in: Business Data Analyst, Database Design & Development, Game Programming, Mobile Development, Network Analyst, Network Management and Security, Software Development, and Web Design & Development

ANOKA TECHNICAL COLLEGE
A member of Minnesota State

2018-2019
Software Development
Diploma

Start Dates

Fall Semester...August, October
Spring Semester .... January, March
(*Also multiple start options each semester.*)

Faculty Contact

Gerard Kne.. 763-576-4044

For information on how to apply, to schedule a tour, or for service during summer hours, contact Enrollment Services at 763-576-7710 or EnrollmentServices@anokatech.edu

Sample Program Sequence
Full Time

First Semester	
ITEC 1002	3
ITEC 1016	4
ITEC 1070	1
ITEC 2100	4
TLIT 1005	3
TOTAL	**15**

1st YEAR

ANOKA
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