2018-2019
Web Design & Development
Emphasis
Associate of Applied Science (AAS) Degree

Technical Requirements 57
General Education/MnTC 15
Total Credits 72

Program Information

The Anoka Technical College Associate in Applied Science (AAS) degree in Information Technology with an emphasis in Web Design and Development is a 72-credit program designed to prepare graduates to successfully compete for high-paying, rewarding careers in the high demand IT fields both today and in the future.

This unique program allows technical specialization in Web Design and Development while the common core courses and required electives from other options build a broad IT foundation needed to understand the terminology and methodologies of other IT specialties in the workplace. Anoka Technical College Web Design and Development emphasis graduate will be a specialist in one of the areas of emphasis in Information Technology and will also have a broad IT foundation needed to under-stand the terminology and methodologies of other IT specialties in the workplace.

Web Developers are responsible for front and back-end web development. On the front-end, the web developer uses a combination of HTML, CSS, and scripting languages to build everything a user sees and interacts with on a website. On the back-end, they develop the application and interact with the server and database that make up the foundational structure of an interactive website using various web technologies. 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 seven career areas:
• Database Design & Development
• Game Programming
• Mobile Development
• Network Analyst
• Network Management & Security
• Software Development
• Web Design & Development

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. The Associate of Applied Science (AAS) degree includes General Education credits, which broaden knowledge beyond what is required in the technical field and places the student on track for future managerial positions.

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.
7. Apply logical reasoning to a problem.

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/).

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A member of Minnesota State

2018-2019
Web Design & Development
Emphasis
Associate of Applied Science (AAS) Degree

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 2120   Database Design & SQL....................................4
☐ ITEC 2145   Database Programming.......................................4
☐ ITEC 2215   Linux/Web Server Administration......................4
☐ ITEC 2311   User Interface Experience..................................4
☐ ITEC 2317   Web Interactivity Tools.....................................4
☐ ITEC 2340   Scripting languages 4
☐ ITEC 2600   Application Development....................................4
☐ ITEC 2601   Database Application Development 4
☐ ITEC 2901   Integrated Capstone Project...............................4
☐ TLIT 1005   Technology Fundamentals..................................3

General Education/MnTC Requirements: 15 Credits

Fifteen (15) general education credits of Minnesota Transfer
Curriculum (MnTC) are required. Student is required to take one
transferable course from MnTC Goal Area 4 and the following
courses:
☐ ENGL 2105   Business and Technical Writing...........................4
☐ PHIL 1200   Technology, Ethics and Society 3
☐ General Education/MnTC 8
*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*

Start Dates

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

Faculty Contact

Lisa Hubbard... 763-576-4085
Julie Myers... 763-576-4072
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

1st YEAR	First Semester	
	ITEC 1002..3	
	ITEC 1016..4	
	ITEC 1070..1	
	ITEC 2100 4	
	TLIT 1005..3	
	TOTAL 15	

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