

Database Design & Development

Emphasis

Associate in 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 (IT) with a concentration in Database Design & Development is a 72-credit program 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 seven career areas of concentration:

- Convergence Technology
- Database Design & Development
- Game Programming
- Mobile Development Network Analyst
- Software Development
- Web Design & Development

This unique program allows technical specialization in one option while the common core courses and required electives build a 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 will also be available. The IT graduate will be highly employable, in many cases even before graduation.

Prerequisites

Some courses may require an Accuplacer/ACT score or completion of basic math, basic English, and/or reading courses with a “C” or better.

Graduation Requirements

All Anoka Technical College students seeking an Associate in Applied Science (AAS) degree, diploma, or certification must meet the grade-point average (GPA) of 2.0 or higher. Please contact your advisor for any further program graduation requirements.

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](http://www.mntransfer.org/students/plan/s_agreements.php?numResults=25&archive=false&from_inst=70&from_prog=&to_inst=&Search=Search): (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](http://www.anokatech.edu/BecomeStudent/Transfers.aspx): (www.anokatech.edu/BecomeStudent/Transfers.aspx)

Industry Information

According to the US Bureau of Labor Statistics, employment of all software developers, including database developers, will grow 22% from 2012 to 2022, which is a pace much faster than the national

average for all jobs. The median annual earnings of applications software developers were \$90,060 in May 2012.

Wages/Outlook/Advancement

Wage information is available from the [Minnesota Department of Employment and Economic Development](http://mn.gov/deed/job-seekers/job-outlook/index.jsp) (<http://mn.gov/deed/job-seekers/job-outlook/index.jsp>).

Technical Education: 57 Credits

| | | |
|------------------------------------|--|---|
| <input type="checkbox"/> ITEC 1002 | Networking Fundamentals | 3 |
| <input type="checkbox"/> ITEC 1016 | Web Development Technologies | 4 |
| <input type="checkbox"/> ITEC 1025 | Project Management | 4 |
| <input type="checkbox"/> ITEC 1035 | Documentation Standards | 2 |
| <input type="checkbox"/> ITEC 1070 | IT Support | 1 |
| <input type="checkbox"/> ITEC 2100 | Programming Logic & Design | 4 |
| <input type="checkbox"/> ITEC 2105 | JAVA Programming | 4 |
| <input type="checkbox"/> ITEC 2113 | .NET Technologies | 4 |
| <input type="checkbox"/> ITEC 2120 | DB Design & SQL | 4 |
| <input type="checkbox"/> ITEC 2136 | Web Data Technologies | 4 |
| <input type="checkbox"/> ITEC 2140 | Business Intelligence (Report Writing) | 4 |
| <input type="checkbox"/> ITEC 2145 | Database Programming | 4 |
| <input type="checkbox"/> ITEC 2220 | DB Administration & Security | 4 |
| <input type="checkbox"/> ITEC 2501 | Android Application Development | 4 |
| <input type="checkbox"/> ITEC 2900 | Integrated Capstone Project | 4 |
| <input type="checkbox"/> TLIT 1005 | Technology Fundamentals | 3 |

General Education/MnTC Requirements: 15 Credits

General Education/MnTC Courses from three (3) MnTC goal areas. Including one (1) transferable MATH course MnTC Goal Area Note: Math may have a prerequisite depending on your Accuplacer assessment score. Student is required to take:

| | |
|---|----|
| <input type="checkbox"/> General Education/MnTC | 15 |
|---|----|

Also see AAS degrees and diplomas in: Convergence Technology, Database Design & Development, Game Programming, Mobile Development, Network Analyst, Software Development and Web Design & Development

Start Dates

| | |
|-----------------------|-----------------|
| Fall Semester | August, October |
| Spring Semester | January, March |
| Summer | June |

Faculty Contact

| | |
|---|--------------|
| Vicki Baumgartner | 763-576-4146 |
| Tracy Hoffman | 763-576-4198 |
| Lisa Hubbard | 763-576-4085 |
| Gerard Kne | 763-576-4044 |
| Mary Lebens | 763-576-4169 |
| Alex Minakov | 763-576-4002 |
| 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

