

# INFORMATION TECHNOLOGY - SOFTWARE DEVELOPER

**Program Number:** 10-152-1

Associate of Applied Science Degree

**Campus:** Fond du Lac, West Bend, Online

This program is eligible for financial aid (<http://www.morainepark.edu/financial-aid/>)

You love a good challenge, especially if it means putting your creative and analytical skills to the test. From developing computer systems to the underlying systems that run devices, Moraine Park's Information Technology - Software Developer program prepares students to support the software development needs within a business environment.

## About the Program

Learn to test, design and develop software in the Information Technology – Software Developer associate degree program. Students in this program are prepared to analyze users' needs and recommend software upgrades. Students practice collaboration with colleagues to develop and create software.

## What You'll Learn

Students in the Information Technology - Software Developer program gain hands-on practice using common programming languages, including HTML, C#, Java, PHP, ASP.NET and SQL. A focus is placed on database development, technical documentation and software design. Graduates are prepared to follow through on maintenance and software testing.

## Transfer Opportunities

Earn credits at MPTC and transfer to a four-year college to earn your bachelor's degree.

Visit the Transfer Opportunities (<https://www.morainepark.edu/academics/transfer-information/transfer-to-a-four-year-college/>) page for more information on credit transfer agreements between Moraine Park and four-year colleges, both public and private.

## Admission Process

Standard Admissions (<http://www.morainepark.edu/admissions/new-student/how-to-apply-for-admissions/>) steps details

## Credit for Prior Learning

Earn college credit outside the classroom through Moraine Park's Credit for Prior Learning (CPL) opportunities. Credit opportunities are available for:

- Previous college coursework from prior institutions
- Military training and experience
- Passing of MPTC or national exams
- Skills or knowledge developed on the job or through other life experiences

Visit MPTC's Credit for Prior Learning (<https://www.morainepark.edu/academics/transfer-information/credit-for-prior-learning/>) page for more information.

## Approximate Costs

- \$143.45 per credit (resident)
- \$215.18 per credit (out-of-state resident)
- Online students are not charged out-of-state fees.
- Please refer to Tuition & Fee Information (<https://catalog.morainepark.edu/admissions-registration/tuition-fee-information/>) for additional enrollment fee information.

## Financial Aid

Financial Aid is provided to aid eligible associate degree and technical diploma programs with 28 credits or more. Processing can take 4-5 weeks after a student's completed Free Application for Federal Student Aid (FAFSA (<https://studentaid.gov/h/apply-for-aid/fafsa/>)) is received. Visit the Financial Aid (<https://www.morainepark.edu/pay-for-college/financial-aid/>) page to learn more.

## Course Requirements

| Course  | Title                                | Credits   |
|---|--------------------------------------|-----------|
| <b>Semester 1</b>   |                                      |           |
| 103-159   | Computer Literacy - Microsoft Office | 1         |
| 150-107   | IT Fundamentals 1                    | 3         |
| 152-105   | Relational Databases                 | 3         |
| 152-108   | Introduction to Programming          | 3         |
| 152-112   | Web Coding Technologies              | 3         |
| 890-101   | College 101                          | 2         |
| <b>Credits</b>  |                                      | <b>15</b> |
| <b>Semester 2</b>   |                                      |           |
| 152-118   | Database-Driven Web Sites            | 3         |
| 152-123   | PHP                                  | 3         |
| 152-126   | Introduction to Systems Analysis     | 3         |
| 152-139   | C# Development                       | 3         |
| 801-136   | English Composition 1                | 3         |
| Mathematics Course ( <a href="https://catalog.morainepark.edu/academic-programming/general-education/mathematics/">https://catalog.morainepark.edu/academic-programming/general-education/mathematics/</a> )                                    |                                      | 3         |
| <b>Credits</b>  |                                      | <b>18</b> |
| <b>Semester 3</b>   |                                      |           |
| 152-131   | ASP.net                              | 3         |
| 152-132   | SQL                                  | 3         |
| 152-137   | Java Programming                     | 2         |
| 152-147   | Systems Analysis and Design          | 3         |
| 801-197   | Technical Reporting                  | 3         |
| Social Science Course ( <a href="https://catalog.morainepark.edu/academic-programming/general-education/behavioral-social-science/">https://catalog.morainepark.edu/academic-programming/general-education/behavioral-social-science/</a> )     |                                      | 3         |
| <b>Credits</b>  |                                      | <b>17</b> |
| <b>Semester 4</b>   |                                      |           |
| 152-138   | Advanced Java Programming            | 2         |
| 152-142   | Software Developer Capstone          | 3         |
| 152-143   | Advanced SQL                         | 3         |
| 152-148   | Systems Analysis and Implementation  | 3         |
| Behavioral Science Course ( <a href="https://catalog.morainepark.edu/academic-programming/general-education/behavioral-social-science/">https://catalog.morainepark.edu/academic-programming/general-education/behavioral-social-science/</a> ) |                                      | 3         |
| Social Science Course ( <a href="https://catalog.morainepark.edu/academic-programming/general-education/behavioral-social-science/">https://catalog.morainepark.edu/academic-programming/general-education/behavioral-social-science/</a> )     |                                      | 3         |
| <b>Credits</b>  |                                      | <b>17</b> |
| <b>Total Credits</b>  |                                      | <b>67</b> |

## Program Outcomes

- Design software systems
- Implement a team-based software development methodology

- Navigate in a software development environment
- Integrate data technologies
- Develop software applications
- Develop technical documentation

## Career Opportunities

- Systems Analyst
- Database Administrator
- Software Architect
- Software Developer

## Statewide Median Salary for Recent Graduates

\$49,916