IT Web and Software Developer

PROGRAM CODE: **10-152-7**

AD

Associate Degree

Location: Downtown Milwaukee Campus

Start Dates: August and January

Admission Requirement: High school diploma or GED

Transfer: Will transfer to one or more four-year institutions

Financial Aid Eligible: Yes.
Apply at fafsa.gov. Use School Code 003866.

Program Description

Develop software applications that can be deployed using a variety of platforms. You will learn essential programming skills while developing software that utilizes client and server processing, connects to databases, and runs simultaneously on multiple devices.

Career Outlook

There is a growing need for qualified web and software developers. Program graduates also may pursue opportunities related to programming and database management.

Program Learning Outcomes

- Design web and software applications.
- Apply data persistence technologies.
- Develop software applications.
- Develop web applications.
- Develop documentation.
- Use infrastructures.
- Analyze new technologies.

COURSE		CREDITS
ENG-195	Written Communication ‡	3
	(or) ENG-201 English 1 ‡	
ITDEV-110	Introduction to Object-Oriented Programming ‡	3
ITDEV-117	Logic and Problem-Solving	3
WEBDEV-114	Web Development With HTML/CSS	3
ENG-197	Technical Reporting ‡	3
	(or) Any 200-level ENG or SPEECH course	
ITDEV-115	Intermediate Object-Oriented Programming ‡	3
ITDEV-140	Programming With Java ‡	3
ITDEV-150	Database Management With SQL	3
ITDEV-160	Web Programming With Scripts (JavaScript)	3
MATH-123	Math With Business Applications ‡	3
	(or) Any 200-level MATH course	
ITDEV-154	Data Structures and Programming ‡	3
ITDEV-161	Web Programming 1 ‡	3
ITDEV-162	Client/Server and eCommerce Implementation	3
PSYCH-199	Psychology of Human Relations	3
	(or) Any 200-level PSYCH course	
ELECTIVES	(Three credits)	3
IT-107	Social Networking and Business Communications	3
ITDEV-164	Web Programming 2 ‡	3
ITDEV-177	Systems Analysis and Design ‡	3
ITDEV-185	Advanced Object-Oriented Programming ‡	3
SOCSCI-197	Contemporary American Society	3
	(or) Any 200-level SOCSCI course	

CREDITS
Total credits needed to complete this degree

60

‡ Prerequisite required.
Program curriculum requirements are subject to change.
Current MATC students should consult their Academic Program Plan for specific curriculum requirements.

Complete Program Details
QUESTIONS? 414-297-6319 or stempathway@matc.edu

WISCONSIN TECHNICAL COLLEGE SYSTEM — MEMBER COLLEGE —