

Northwestern Michigan College Web Developer Certificate

Program Learning Outcomes Map (Fall 2022)



Course #	PLO1 App. Dev			PLO2 Database			PLO3 Systems			PLO4 Proj Mgmt			PLO5 Teamwork			PLO6 Comm.			PL7 PD			Certification Options *	GenEd Outcomes				
	I	D	M	I	D	M	I	D	M	I	D	M	I	D	M	I	D	M	I	D	M		Comm.	Critical Thinking	Quantitative Reasoning		
ART 131																											
BUS 155																							X	X			
BUS 231																							X				
COM 111																							X	X			
CIT 110																								X			
CIT 178																						OD-201 (ITS) Databases		X			
CIT 180																						OD-301 (ITS) HTML and CSS		X			
CIT 190																						OD-302 (ITS) Javascript		X			
CIT 195																								X			
CIT 218																								X			
CIT 255																						OD-305 (ITS) Software Development		X			
CIT 291																											
VCA 125																						Adobe Certified Associate - InDesign	X				
VCA 127																						Adobe Certified Associate - Photoshop		X			
VCA 146																							X	X			
VCA 147																							X	X			
VCA 150																						Adobe Certified Associate - Illustrator	X				

Program Learning Outcomes

- Application Development** - Utilize industry standard processes, tools, and skills required for application development on common platforms.
- Database Development** - Utilize industry standard processes, tools, and skills required for database development and administration.
- System Analysis and Design** - Demonstrate the systems and design process.
- Project Management** - Employ common industry tools and techniques for project management.
- Teamwork** - Function effectively as a project team member.
- Communications** - Communicate effectively.
- Professional Development** - Develop industry-based resources for their ongoing professional development and networking.

* Some certifications are required in the course, and others are optional.

Key	
I	= Introduce
D	= Develop
M	= Master