Wayne State University  
Department of Civil and Environmental Engineering  
Master of Science Program

Mission Statement

The mission of the master’s program is to prepare students for successful career paths in civil engineering disciplines through professional preparation and discipline-specific education.

Learning Outcomes

Graduate engineers with an MS degree will:

1. Demonstrate the skills and competency to function in, and ultimately lead, project teams.
2. Analyze and solve complex and emerging engineering problems using newly developed approaches and methodologies.
3. Communicate technical information to a range of audiences both verbally and in writing.
4. Demonstrate professionalism with a commitment to the highest standards of ethical principles.

Wayne State University  
Department of Civil and Environmental Engineering  
PhD Program

Mission Statement

The mission of the doctoral program is to prepare students for leadership positions in civil engineering practice, research, and teaching.

Learning Outcomes

Graduate engineers with a PhD degree will:

1. Design and complete original research in their specialty area.
2. Demonstrate the ability to lead project teams.
3. Evaluate complex and novel engineering problems and derive solutions using original (non-standard) approaches and methodologies.
4. Communicate technical information to a range of audiences both verbally and in writing.
5. Demonstrate professionalism with a commitment to the highest standards of ethical principles.