

Transportation and Civil Engineering (TRAC) Program

MDOT is interested in students with math and science skills for future employment as civil engineers and transportation specialists. The TRAC program provides classrooms with hands-on tools designed to build interest in math and science. TRAC provides these benefits for teachers and students.

- Free hands-on materials for math, science, and civics
- Free interactive software
- Free training
- Free replacement supplies
- CEU credits for teachers
- Activities aligned to Michigan educational standards
- Engineer visits for career presentations
- Assistance using the software/modules
- Michigan bridge-building contests
- Pave a pathway for higher education via internships with possible opportunities for civil engineering scholarships
- Put your engineering, design, and building skills to the test, solving hands-on challenges

FOR MORE INFORMATION,
contact: Jan Pohl at 517-373-9571
or go to MDOT's Web site at:
www.michigan.gov/mdot-trac

TRAC Program

425 W. Ottawa St.
P.O. Box 30050
Lansing, MI. 48909

www.michigan.gov/mdot-trac



MDOT: Providing the highest quality
integrated transportation services for
economic benefit
and improved quality of life.

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The Michigan Department of Transportation



Civil Engineering Internship Program



The TRAC Pipeline Internship program is an extension of the TRAC program designed to provide opportunities for 11th and 12th grade students. During the summer, these students work with MDOT civil engineers and learn more about the rewards and challenges of a career in civil engineering. MDOT has worked diligently to recruit promising students from around the state to apply for this prestigious internship. MDOT is doing its part to make certain the TRAC Pipeline Internship Program continuously adds new faces to the field of civil engineering. This program now boasts 20 statewide paid internships.

Visit www.michigan.gov/mdot-trac-internship

- High school senior interns earn \$10 per hour
- High school junior interns earn \$9 per hour
- High school senior program: June 11 - July 27, 2012
- High school junior program: June 11 - July 13, 2012



Requirements for High School Seniors:

- Must be at least 17 years old
- Must be a high school senior
- Must graduate in 2012
- Must have attended a class in which a TRAC module was used
- Must pass a pre-employment drug test
- Must interview at a Michigan Department of Transportation office
- Must be available for the entire seven weeks to be eligible for a \$2,500 civil engineering scholarship
- Students applying in Bay, Grand, North, Superior, Southwest, and University regions must have a valid drivers license
- Must demonstrate a strong propensity in math and science
- Must provide own transportation

Requirements for High School Juniors:

- Must be at least 17 years old
- Must be a high school junior
- Must have attended a class which a TRAC module was used
- Must pass a pre-employment drug test
- Must interview at a Michigan Department of Transportation office
- Must demonstrate a strong propensity in math and science
- Must provide own transportation

How to Apply:

- Complete the application available at: www.michigan.gov/mdot-trac-internship
- Provide your official high school transcript
- Provide your attendance record for the current school year
- Enclose a letter of interest expressing why you want to be an intern
- Submit a letter of recommendation from your teacher who taught you a TRAC module (the teacher must describe the module taught)

All applications and supporting documentation must be received by Monday, March 12, 2012

FOR MORE INFORMATION, CONTACT:

Candice Braddock,
TRAC Pipeline Internship Statewide Coordinator
P.O. Box 30050
Lansing, MI 48909
517-373-0790

www.michigan.gov/mdot-trac-internship

Intern activities include:

- Bridge inspections
- Perform micro-simulations
- Use Computer Aided Drafting (CAD) software to develop design plans
- Aggregate lab testing
- Read and interpret construction plans
- Design a parking lot project
- Use ARC GIS mapping
- Learn to use satellite and GPS equipment
- Perform concrete quality control testing
- Conduct traffic plan reviews
- Develop computer topographical diagrams
- And much more!