Why Choose Civil Engineering Technology?
The Civil Engineering Technology program at Ferris emphasizes instruction in soil and material testing, highway technology, engineering, design and the construction process. The technician needs a background in mathematics and physical science plus a thorough knowledge of construction materials, methods and equipment.

The program includes general education courses in English, mathematics and physics as well as related courses in soil and materials testing, surveying, estimating, plans and specifications, basic computer skills, hydrology, highway design and computer-aided design.

Graduates of the associate degree program may choose employment with construction companies or continue study toward a bachelor of science degree in the ACCE-accredited Construction Management program at Ferris.

Prepare for a Great Career
As part of a construction team, the civil engineering technician may assist the engineer in project layout, soil and material testing, cost estimating and supervision and inspection of heavy construction projects. Projects include buildings, airports, dams, powerhouses, bridges, highways, pipelines and railroads.

Precision, accuracy and clarity are important qualities for the technician. Civil engineering work requires familiarity with materials and soils and a knowledge of surveying principles, hydrology, engineering design and the construction process.

Employment in the highway/heavy construction field is expected to increase faster than the average for other occupations. Job opportunities exist with consulting engineers, material testing firms, general contractors and governmental agencies.

Admission Requirements
Admission to the College of Technology is open to high school graduates who demonstrate academic preparedness, maturity and seriousness of purpose with backgrounds appropriate to their chosen program of studies. Among first-time students in our technical programs, the average high school GPA is 2.8, and the average ACT composite score is 20.

Students entering the Civil Engineering Technology program must have a high school diploma with a ‘C’ average or better and be fully prepared to enroll in all required courses including mathematics and English. An ACT math subscore of 19 or better is required. Fully prepared students enter the program in the fall semester. Students not fully prepared who complete the preparatory courses during the fall semester may enter the program sequence in the winter semester, following a modified course sequence.

Graduation Requirements
The Civil Engineering Technology program at Ferris leads to an associate in applied science degree. Graduation requires a minimum 2.0 GPA in core classes, in the major and overall. Students must complete all general education requirements as outlined on the General Education website.