

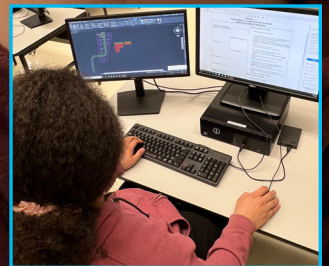
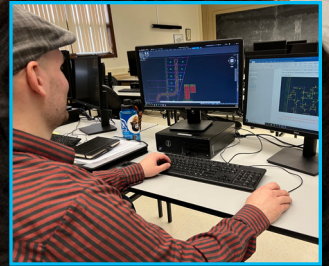
CIVIL DESIGN TECHNOLOGY

CAREER PATHS

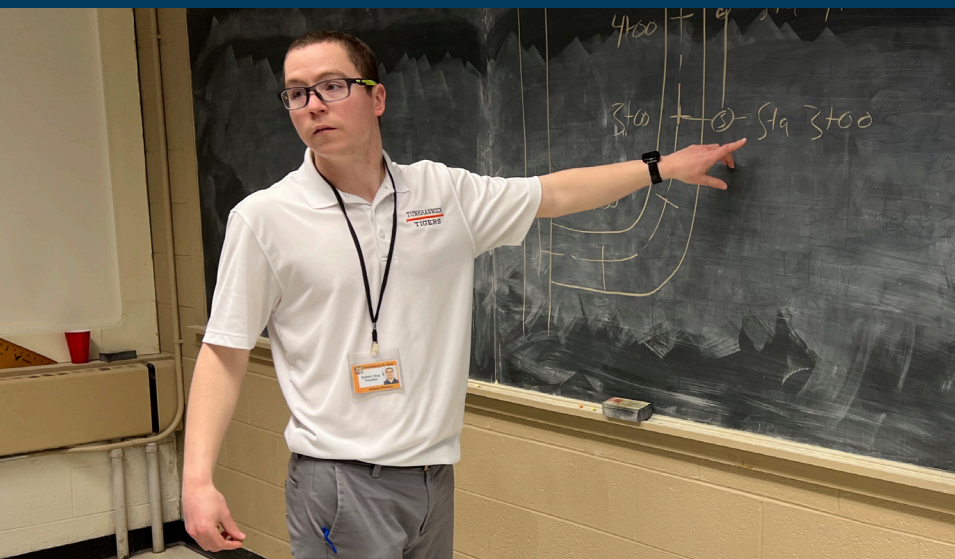
CIVIL DESIGNERS
CAD TECHNICIANS
SURVEY TECHNICIANS
DESIGN ENGINEERING TECHNICIANS

SALARY

\$58,320*
MEDIAN ANNUAL INCOME



SCAN FOR YOUR FUTURE



PROGRAM OBJECTIVE

The Civil Design Technology program prepares students as entry-level technicians in the field of civil engineering. This program provides the foundation for applying basic engineering principles and technical skills in support of civil engineers engaged in designing and executing public works projects such as highways, dams, bridges, tunnels and other facilities. The program also emphasizes professional interpersonal skills.

READY. SET. WORK.

Goal 1: Graduates will acquire the skills necessary to obtain an entry-level position in the civil design field.

Goal 2: Graduates will demonstrate professional behavior and ethics in order to meet the challenges of work within their field.

Goal 3: Graduates will acquire critical thinking and decision-making skills.

Applicants are encouraged to arrange a campus visit and a personal information session with a Recruitment Advisor. Appointments may also be made to meet with appropriate faculty and current students.

CAREER OPPORTUNITIES

Graduates work as civil designers, CAD technicians, survey technicians, design engineering technicians, or similar roles in the civil engineering industry. Typical employers in the civil design career field are civil design and engineering firms, structural engineering companies, environmental engineering firms, surveyors, consulting firms, construction companies, and government design agencies.

PROGRAM COURSES

CREDITS

SEMESTER 1

Elective	3
Introduction to Computer Assisted Drafting (CAD)	2
Introduction to Computer Assisted Drafting (CAD) Lab	2
Contract Drawings	3
Introduction to Civil Design	3
Microcomputer I	3
College Algebra I and Trigonometry	3
First-Year Experience	1

SEMESTER 2

English Composition I or Industrial Communication	3
Trigonometry	3
Surveying and Mapping	3
Erosion and Sediment Control	3
Civil 3D	2
Civil 3D Lab	2

SEMESTER 3

Advanced Steel I	2
Advanced Steel I Lab	2
Introduction to Structural Analysis	3
Hydraulics and Hydrology	2
Hydraulics and Hydrology Lab	1
Social Science Elective	3
Construction Materials and Management	3
Introductory Physics	3

SEMESTER 4

Civil 3D II	2
Civil 3D II Lab	2
or Introduction to Geographic Information Systems (GIS)	2
Introduction to Geographic Information Systems (GIS) Lab	2
Statics & Strength of Materials	3
Public Speaking	3
Internship	4

MINIMUM CREDITS TO GRADUATE 69

This semester layout is based off of a fall start. Students who start in the spring will be required to attend an additional semester to complete their degree.

There may be special admission requirements for this program. Please speak with a Recruitment Advisor by calling **570-702-8856** or visit our website johnson.edu to review our requirements.