



*Corrosion - rust - is the deterioration of a material (usually a metal) through a naturally-occurring chemical or electrochemical reaction between the material and its environment.*

*Corrosion costs the United States over \$279 billion per year and can cause dangerous and expensive damage to everything from vehicles and home appliances to pipelines, bridges, and public buildings.*

# CORROSION TECHNOLOGY

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Corrosion Technicians have a basic understanding of electricity, chemistry, metallurgy, and the properties of materials. Careers in corrosion apply these sciences to detect and control chemical and mechanical deterioration. Corrosion Technicians install, maintain, inspect, and troubleshoot all types of facilities and equipment.

## CAREER OPPORTUNITY & OUTLOOK

Corrosion Technology is a stable occupation due to the fact that corrosion is an ever-present problem. It is a rapidly growing field due to crumbling infrastructure, reliance on energy, and increased government regulations regarding corrosion control.

## PROGRAMS OF STUDY

### ***Certificate of Applied Science***

The one-year CAS prepares students for entry-level employment as a Corrosion Technician in the fields of manufacturing, oil and gas, government, pipeline maintenance, and general corrosion management. Students work in both lab and classroom settings using industry recognized equipment while preparing to sit for National Association of Corrosion Engineers (NACE) exams.

### ***Associate of Applied Science***

Students choosing the two-year AAS option will complete all coursework required of the CAS and receive additional training in performing and interpreting field surveys, troubleshooting and remedying corrosion problems, and other practices. The AAS option also includes a capstone project and internship experience.

### ***Certificate of Technical Studies***

Students have the option of earning a CTS after each semester by completing program-specific courses. This allows students to earn a credential after just one semester and develops a more skilled workforce.



*Corrosion Technology students learn in a newly-constructed outdoor field site on DCC's campus.*

Important information about the educational debt, earnings, and completion rates of students who attended this program can be found at [www.dawson.edu/content/uploads/2016/05/15.0699-Gedt.html](http://www.dawson.edu/content/uploads/2016/05/15.0699-Gedt.html)



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