info@bsg-ltd.com | bsg-ltd.com

BSG
ENGINEERING EXCELLENCE

STUDENT PLACEMENT BROCHURE

AUTUMN 2026

ENGINEER A FULFILLING CAREER

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BSG

STUDENT ENGINEER PLACEMENT OPPORTUNITIES

BSG Civil Engineering Ltd is a premier civil engineering contractor within the Northern Ireland market.

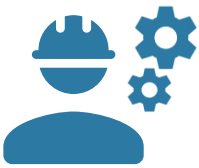
We undertake significant works alongside NI Water on a range of Wastewater Treatment Works, Service Reservoirs, Pumping Stations and Networks schemes, and within other markets such as Flood Alleviation, Anaerobic Digester Plants, Environmental Improvement/Public Realm, Marine and Industrial/Commercial.

We construct large-scale concrete structures, pipelines, and buildings, with associated MEICA (Mechanical, Electrical, Instrumentation, Control and Automation) works.

We maintain an in-house team of committed and highly motivated professionals in Civil Engineering, Mechanical & Electrical Engineering, and Quantity Surveying with a demonstrated record of providing quality, innovative solutions to our clients. Longstanding relationships and transparent communications are at the core of our business.

Applications are now invited from students interested in undertaking a work placement with us during the 2027 – 2028 academic year in:

Civil Engineering



Mechanical & Electrical Engineering

Quantity Surveying

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WASTE WATER TREATMENT

CIVIL ENGINEERING

WATER NETWORKS

FLOOD ENGINEERING

SHEET PILING

RENEWABLES

MEICA

PLACEMENT REQUIREMENTS

Applicants must be enrolled in a relevant degree course, have effective communication and interpersonal skills, be competent users of Microsoft Word and Excel, have knowledge of the role of their chosen discipline in the construction industry, hold or be willing to gain CSR card, and be able to travel to various sites.

Relevant work experience in your preferred discipline is desirable but not essential.

Civil Engineering applicants must also have:

- Knowledge of reinforced concrete works and pipelines
- Knowledge of AutoCad or similar drawing packages
- An aptitude for surveying and setting out

Mechanical & Electrical Engineering applicants must also have:

- Knowledge of software and electronics
- Knowledge of AutoCad or similar drawing packages
- Knowledge of pipe networks

Quantity Surveying applicants must also have:

- Ability to complete take-offs
- Knowledge of producing activity schedules /bill
- of quantities
- An understanding of first principal cost build ups
- Awareness of construction contracts

WHY BSG?

At BSG we put our people front and centre, prioritising their health, safety, and well-being. We focus on retaining our people and investing in new talent, creating opportunities for all to develop and grow a fulfilling career at BSG.

- BSG offer a unique opportunity to gain experience working with skilled professionals on a diverse range of projects.
- Most projects are locally based – 95% of our business is carried out within Northern Ireland.
- Potential of securing a permanent role after you graduate.
- Competitive remuneration package.

Interested applicants can access an application form via the University portal, or by emailing: info@bsg-ltd.com

Completed application forms must be returned by 3.00pm on Tuesday 24th November 2026.

Interviews are scheduled to take place week commencing 30th November 2026.

CASE STUDIES

For nearly forty years, BSG has been at the heart of the water and wastewater industry, evolving as a premier main contractor and a trusted partner for our clients.

We have grown steadily to build a strong sustainable business, ensuring personal commitment to every client and their projects.

Our reputation as a team committed to excellence in engineering, design solutions and project delivery reflects our home-grown desire to succeed as a sustainable business and as the partner of choice for our clients.

Below are examples of recent projects undertaken.

Ards North Wastewater Treatment Works & Networks

This project involved the upgrading of the existing wastewater collection and treatment systems serving a large part of the Ards Peninsula to bring about social, economic and environmental benefits. BSG were contracted to design and construct a new state-of-the-art Wastewater Treatment Works along with four outlying pumping stations and 14km of pumping main. The scheme was designed for a population equivalent of 4800 in the winter and 8500 in the summer and will treat wastewater flows from nearby caravan parks and small settlements which previously had no treatment facilities.

Ballykelly Wastewater Treatment Works

This contract comprised the construction, commissioning and testing of an upgraded Wastewater Treatment Works (WwTW) to a design Population Equivalent of 5000 within the boundaries of the existing site. The works include an inlet works, activated sludge plant, final settlement tanks and return activated sludge pumping station. These processes are controlled by a state-of-the art mechanical control centre (MCC) and powered using solar means. This unique site cleverly combines state-of-the-art mechanical wastewater treatment processes with the natural, eco-friendly concepts of an Integrated Constructed Wetland (ICW) to deliver an exceptionally high-quality discharge.

Sicily & Marguerite Park Flood Alleviation Scheme

This contract involved the provision of a new combined sewer and online storage solution to increase capacity within the existing sewer network to alleviate flooding in the Sicily & Marguerite Park residential area. The works included the construction of over 1.3km of large sewer pipes up to 1500mm in diameter, the construction of several launch and reception pits, extensive tunnelling (including under the main Belfast to Dublin rail line) and traditional ‘open dig’ excavation method due to the number of existing underground services in the residential streets. BSG were awarded a Considerate Constructors Scheme “Excellent” accreditation for our work on this scheme.

Shared Waters Environmental and Loughs Legacy (SWELL) Project

This EU funded project aims to improve the quality of water in Lough Foyle by upgrading the wastewater assets on both sides of the border. BSG completed the upgrade of Strabane Wastewater Treatment Works in October 2020 and were contracted to design and construct new wastewater treatment plants at Lifford and Killea with a new pumping station at Carrigans along with a new rising main from Carrigans to St Johnston. The SWELL Project involved multiple stakeholders working in partnership to deliver wastewater assets that will deliver improvements in water quality and assist in raising the EU Water Framework Directive status of Lough Foyle.

Meadow Lane

Key elements included a new 1500m3 storm retention tank, wet well pumping station, and inlet chamber, 400m of large diameter tank sewer installed by trenchless methods with associated launch and reception chambers. MEICA elements included a new MCC Panel and Kiosk, installation of 37Kw foul pumps, 9Kw hydro ejectors and screens.

Secant piling provided temporary works support to allow safe excavation. The excavation was 21m in diameter, and 10m deep with 140 large diameter secant piles installed to a depth of 18m. Six sections of open cut sewers were installed to a depth of 5m. The complete scheme provided substantial wastewater storage and allowed the closure of five combined sewer overflows minimising the risk to the environment.

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HEALTH & SAFETY
I.S. ISO 45001:2018
NSAI Certified

QUALITY
I.S. EN ISO 9001:2015
NSAI Certified

ENVIRONMENT
I.S. EN ISO 14001:2015
NSAI Certified