



What skills can graduates gain?

Graduates can gain a range of skills, including:

- Technical skills: Graduates can gain technical skills in areas such as surveying, geomatics, and GIS.
- Problem-solving skills: Graduates can develop problem-solving skills through practical experience and coursework.
- Communication skills: Graduates can improve their communication skills through group projects and presentations.
- Teamwork skills: Graduates can learn to work effectively in teams through practical projects.
- Leadership skills: Graduates can develop leadership skills through taking on roles in student organizations or projects.
- Time management skills: Graduates can learn to manage their time effectively through balancing coursework and practical experience.
- Self-motivation skills: Graduates can develop self-motivation skills through taking initiative in their studies and projects.
- Adaptability skills: Graduates can learn to adapt to new situations and challenges through practical experience.
- Attention to detail skills: Graduates can develop attention to detail skills through precise technical work.
- Customer service skills: Graduates can learn to provide excellent customer service through practical experience in industry settings.

Applied learning

Applied learning is a key component of a graduate's education, providing them with practical experience and skills that are directly applicable to their future careers. This can be achieved through a variety of methods, including:

- Work placements: Graduates can gain valuable work experience through placements with industry partners.
- Industry projects: Graduates can work on real-world projects that are funded by industry partners.
- Competitions: Graduates can participate in competitions that challenge them to apply their skills in practical settings.
- Entrepreneurship programs: Graduates can learn to start and manage their own businesses through entrepreneurship programs.
- Professional development: Graduates can gain additional skills and knowledge through professional development courses and workshops.

What do employers look for?

Employers look for graduates who possess a range of skills and attributes, including:

- Technical skills: Employers look for graduates who have a strong foundation in technical skills relevant to their industry.
- Problem-solving skills: Employers value graduates who can think critically and solve complex problems.
- Communication skills: Employers seek graduates who can communicate effectively, both verbally and in writing.
- Teamwork skills: Employers look for graduates who can work well in teams and collaborate with others.
- Leadership skills: Employers value graduates who have the potential to take on leadership roles.
- Time management skills: Employers seek graduates who can manage their time effectively and meet deadlines.
- Self-motivation skills: Employers look for graduates who are self-motivated and take initiative.
- Adaptability skills: Employers value graduates who can adapt to change and new challenges.
- Attention to detail skills: Employers seek graduates who are detail-oriented and accurate in their work.
- Customer service skills: Employers look for graduates who can provide excellent customer service.

*World Economic Forum: <https://www.weforum.org/agenda/2023/05/future-of-job-skills-2023/>

How can these skills be developed?

These skills can be developed through a combination of formal education, practical experience, and self-directed learning. Some ways to develop these skills include:

- Participating in work placements or internships to gain practical experience.
- Working on industry projects or competitions to apply technical skills.
- Joining student organizations or clubs to develop teamwork and leadership skills.
- Managing your time effectively by creating a study schedule and prioritizing tasks.
- Setting personal goals and working towards them to develop self-motivation.
- Seeking out new challenges and opportunities to develop adaptability.
- Being thorough and accurate in your work to develop attention to detail.
- Providing excellent customer service in any role you take on.
- Continuing your education through professional development courses and workshops.

Where have graduates been employed?

Graduates have been employed in a wide range of sectors and roles, including:

- Government: Graduates are employed in various government departments, including the Department of Transport, Infrastructure and Planning, and the Department of Planning, Industry and Innovation.
- Industry: Graduates are employed in a variety of industry sectors, including engineering, construction, and manufacturing.
- Academia: Graduates are employed in universities and research institutions, where they can contribute to the advancement of knowledge and research.
- Professional services: Graduates are employed in professional services firms, where they can provide expertise in areas such as surveying, geomatics, and GIS.
- Consulting: Graduates are employed in consulting firms, where they can provide advice and solutions to clients on a wide range of issues.
- Entrepreneurship: Graduates are employed in their own businesses, where they can apply their skills and knowledge to create and grow a successful enterprise.
- Public sector: Graduates are employed in public sector organizations, where they can contribute to the delivery of essential services to the community.
- Non-profit organizations: Graduates are employed in non-profit organizations, where they can use their skills to support social and environmental causes.
- Research and development: Graduates are employed in research and development departments, where they can contribute to the discovery of new products and technologies.
- Education: Graduates are employed in educational institutions, where they can share their knowledge and expertise with the next generation of students.

What jobs and activities might graduates do?

Environmental scientists and consultants
Environmental scientists and consultants work in a variety of settings, including government, industry, and academia. They may be involved in research, monitoring, and assessment of environmental issues. Some may also be involved in policy development and implementation.

Graduate hydrogeologist

Graduate hydrogeologists work in a variety of settings, including government, industry, and academia. They may be involved in research, monitoring, and assessment of groundwater resources. Some may also be involved in policy development and implementation.

Examples of other job titles and careers include:

Business development / sales
Environmental scientist / consultant
Hydrogeologist
Hydrologist
Hydrologist
Hydrologist

Environmental scientist / consultant

Environmental scientists and consultants work in a variety of settings, including government, industry, and academia. They may be involved in research, monitoring, and assessment of environmental issues. Some may also be involved in policy development and implementation.

Ecologist

Ecologists work in a variety of settings, including government, industry, and academia. They may be involved in research, monitoring, and assessment of ecosystems. Some may also be involved in policy development and implementation.

Resource management / consents officer

Resource management / consents officers work in a variety of settings, including government, industry, and academia. They may be involved in research, monitoring, and assessment of resource management. Some may also be involved in policy development and implementation.

Sustainability consultant / advisor

Sustainability consultants and advisors work in a variety of settings, including government, industry, and academia. They may be involved in research, monitoring, and assessment of sustainability issues. Some may also be involved in policy development and implementation.

Field / laboratory technician

Field / laboratory technicians work in a variety of settings, including government, industry, and academia. They may be involved in research, monitoring, and assessment of environmental issues. Some may also be involved in policy development and implementation.

Planner, environmental planner

Planners, environmental planners work in a variety of settings, including government, industry, and academia. They may be involved in research, monitoring, and assessment of environmental issues. Some may also be involved in policy development and implementation.

Geographical information systems (GIS) analyst

GIS analysts work in a variety of settings, including government, industry, and academia. They may be involved in research, monitoring, and assessment of environmental issues. Some may also be involved in policy development and implementation.

