



# EXECUTIVE MASTERS

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PROFESSIONAL  
POSTGRADUATE  
STUDY

# ENHANCE YOUR SKILLS

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**At Edinburgh Napier, we offer a range of Executive Masters courses for organisations looking to upskill their staff and professionals looking to develop new skills and advance their career with a postgraduate degree.**

The majority of learning and study takes place at work or draws on workplace experience. An Executive Master's degree lets you gain your MSc while applying new skills to your job throughout. Whether you are looking to build new skills in a current role or prepare for your next move, within 18 months you can achieve a respected industry-relevant Master's degree.

Research shows that the application and personal reflection of taught concepts to the work situation delivers the most effective learning and development. For these courses, you need to be working in a role with opportunities to apply these new skills.

Throughout the course, you and your employer will be supported and mentored by our experienced staff. Our academics are industry experts – some literally wrote the book on cutting-edge issues such as cybercrime and online security. The course is delivered by work-based tuition, blending online materials with monthly face-to-face teaching days on three academic modules. These days are an opportunity to learn alongside professionals from other sectors, creating a rich and highly interactive learning environment.

The work-based learning project is a third of the degree. We meet you and your employer to scope and agree learning activities linked to operational priorities, so you need to be able to commit to the learning contract for the year. Learning achievements from work activities are integrated into the programme, and work outputs can be incorporated into assessment.

You complete your Master's with a work-based dissertation, apply the knowledge you have gained whilst developing skills in research and analysis.

**“The course was great and the lecturers were excellent. The balance between technical and governance is what made it so rewarding. It costs about the same as a short commercial course but gives long term benefit. I would whole heartedly recommend this approach to training”**

**Andy Tunnicliffe**  
MSc Advanced Security  
& Cybercrime

# DEVELOP YOUR STAFF

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**Our Executive Master's degrees are designed to support employers to develop talent in their organisation. Companies build capability and capacity by giving their people the opportunity to develop themselves through a programme designed to deliver impact on the business.**

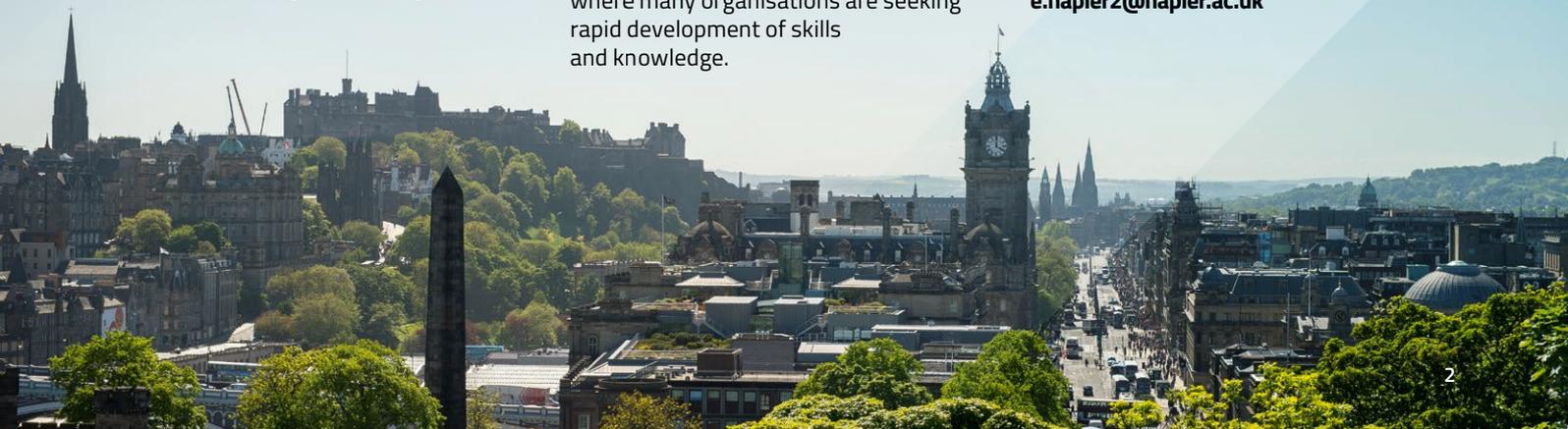
These courses feature two major components co-designed with the employer: a work-based project delivering immediate impact and a dissertation to advance knowledge in your organisation.

Our courses provide a strategic opportunity for companies to develop their people and their organisation, by harnessing the ambition and developing the vision of their staff.

Our courses can support teams as well as individuals, with the opportunity to link multiple projects to a strategic or operational priority in your organisation, and to accelerate team development by shaping a shared learning journey. This is ideal in emerging and fast changing areas such as data science and cyber security where many organisations are seeking rapid development of skills and knowledge.

We also work with many organisations to develop tailored programmes and deliver bespoke professional development. This includes short courses which complement our work-based programmes and deliver business and technical skills for immediate application in the workplace. If you're an employer looking to find out more about how we can develop the skills in your organisation we'd love to speak to you.

**Please speak to Emily Napier our Employer Engagement Partner  
[e.napier2@napier.ac.uk](mailto:e.napier2@napier.ac.uk)**





**Tiffany Sommerville**  
MSc Strategic ICT Leadership  
Senior IT Officer

# A STEP UP FOR YOUR FUTURE

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## **Why did you choose this course?**

I choose the Strategic ICT Leadership course as it provided the opportunity to supplement my technical ICT skills with other key skills which would enable me to perform my current role more effectively, and help me to further advance my career.

In my current role as Senior IT Officer at Shettleston Housing Association, I lead the effective delivery, maintenance and development of ICT systems and services to meet changing business needs and expectations. Facing increasing demands on ICT resources, often with competing priorities, I wanted to broaden my knowledge in the areas which would help me to navigate these challenges whilst delivering my work to a high standard. As the course has an emphasis on aligning ICT strategy with organisational strategy to improve business performance, I felt it was ideally suited to providing me with a deeper understanding of these strategic issues whilst also enabling me to develop practical skills that would be of benefit to the business and to myself personally.

## **How has this course helped your career?**

I feel that I started to benefit from the course from the very first session I attended. The taught modules were focused on current and relevant topics, and I was able to immediately apply my new knowledge in my work. It has strengthened my comprehension of key areas which underpin ICT activities such as ICT governance, leadership and project management, and given me practical skills needed to be able to positively influence delivery of ICT services.

Through completing the course and utilising my new gained skills and knowledge I feel that I am able to demonstrate my capabilities to operate effectively at a senior level. I aim to further progress my career in the future and consider this qualification to be a significant advantage to achieving this.

## **Would you recommend the course?**

I would absolutely recommend the course to anyone who is keen to take their ICT skills to the next level. Whilst the course is demanding, the benefits to both the business and individual are immediate. The work-based element of the course provides you with an opportunity to utilise the skills and knowledge gained through the classroom learning to deliver on a work project. This also helps with managing the required time commitment as you use your existing work as part of your assessment.

I would also recommend drawing on the experiences of other executive master's students you will meet along the way. I was very fortunate to meet a number of fellow students who helped me to develop a deeper understanding of the theoretical aspects of the course through the sharing of their own experiences. I was also able to pick up many practical tips for academic research methods which were invaluable, particularly at the outset.

# PROFESSIONAL KNOW-HOW

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**Edinburgh Napier University delivers the skills and experience that matter. We combine professional know-how with an academic approach and work-related learning to help our students succeed beyond university.**

The University is home to over 19,500 students from more than 140 countries, including a thriving community of 4,000 postgraduate and research students. In the prestigious 2017 QS Stars rankings, we were rated five stars for teaching, employability and internationalisation while the 2017 THE World University Rankings put us within the top 5 per cent of universities worldwide.

Our postgraduate courses have been designed in consultation with leading business and industry figures and cover a full range of academic subjects and vocational fields.

We have strong links with industry and our courses are accredited internationally. Each postgraduate course is structured to provide the practical skills and theoretical knowledge valued across the globe. We complement this with innovative programmes to boost your employability.



We're proud to hold a number of awards, accolades and accreditations

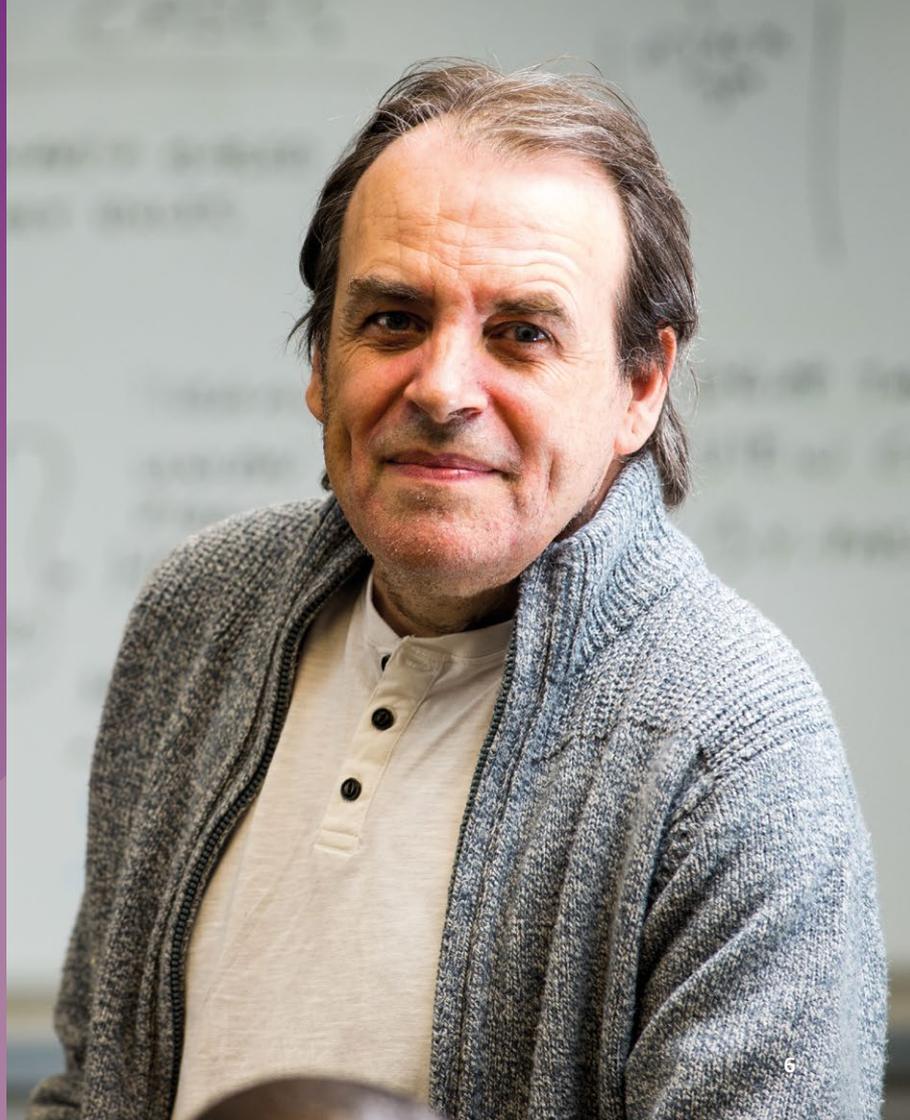
# INSPIRING ACADEMICS

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## **Dr Bill Buchanan**

Professor in the School of Computing

Dr Bill Buchanan is a Professor in the School of Computing at Edinburgh Napier, and was recently named one of the “Top 50 Scottish Tech People Who Are Changing The World” by FutureScot. He is a Fellow of the BCS and the IET, and leads the Centre for Distributed Computing, Networks and Security and The Cyber Academy. He has published dozens of books, hundreds of academic papers, and consistently wins awards for his teaching, nominated by peers and students alike.



## **Alistair Lawson**

Programme leader for Data Science

Alistair Lawson is an Associate Professor in the School of Computing. His teaching is in the area of robust scalable systems development and in data integration, data analytics and applications development.

His extensive experience of Research and Knowledge Exchange projects includes the application of Data Analytics and Systems Development in the areas of Finance, Health and Wellbeing, Speech and Language and Information Sharing.



## **Dr Naghmeh Moradpoor**

**Programme Leader for Advanced Security & Cybercrime**

Dr Naghmeh Moradpoor is a Certified Ethical Hacker. She has a research background in machine learning for cybersecurity as well as next generation broadband access networks.

Her research has included Industrial Control System (ICS) and Critical Infrastructure Protection (CIP) security analysis & countermeasures, detection and classification of various cybersecurity attacks for computer networks, data analytics & decision support for cybersecurity, Intrusion Detection and Prevention Systems (IDS/IPS) for Internet of Things (IoT), cyberbullying detection and prevention, and forensic similarity hashes.

Naghmeh was awarded Outstanding Woman in Cyber at the Scottish Cyber Awards 2017. These Awards are a highly prestigious and flagship event and the first of its kind in Scotland where the best of the best in cybersecurity are being recognised and awarded for their passion, dedication and hard work raising standards in both industry and academia.



## Dr Colin Smith

Programme leader for  
Strategic ICT Leadership

Dr Colin Smith joined Edinburgh Napier in 2003, following a period south of the border developing one of the first e-Business Master's qualifications in England.

His research looks at technology, strategy and change, with a particular focus on how digital technologies bring about new and transformative processes within organisations and between them, customers and other stakeholders. His work with the innovative 'e-Placement Scotland' project has allowed him to develop a good understanding of business priorities in sourcing and developing a talented workforce, and he's committed to building models of education that close the gaps between the classroom and the workplace.



## Pritam Chita

Programme leader for Project  
& Programme Management

Pritam Chita has worked in industry as a senior project manager and as a project management consultant with extensive public and private sector experience. Recently, he was seconded for a year to the Scottish Government as a project and programme management consultant.

He is a certified PRINCE2 and Agile PM trainer. His main area of research is in project management learning and development.



# OUR COURSES

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## MSC ADVANCED SECURITY & CYBERCRIME

**The MSc in Advanced Security & Cybercrime focuses on broadening your knowledge of the key issues related to network and computer security technologies and processes, with a particular focus on the growing threats posed by cybercrime.**

Designed for professionals working in computer security and cybercrime, this MSc will enable you to lead in the design, creation and maintenance of advanced information infrastructures.

Whether you are new or experienced in the areas of computer security, auditing, digital investigations or cybercrime, the MSc in Advanced Security & Cybercrime will provide you with the formal qualification required to lead within this ever-expanding sector.

Whilst giving you the opportunity to build on your existing competencies, the course also allows you to learn new skills within key evolving areas, such as: advanced security methods, digital forensics, advanced cloud computing, and network security.

There is an emphasis on leadership, as well as developing professionals with the vision to manage future developments within these areas while protecting the rights of the individual and society. Using work-based learning, this MSc allows employees to apply their newly-acquired knowledge to their own company's procedures and systems.

Taught on a distance learning basis, using some of the most advanced virtualised infrastructures available, the hands-on skills gained align with professional certification standards - such as CISSP and Cisco CCNA /CCNP Security. Through our excellent knowledge transfer links with industry, law enforcement and the public sector, you can benefit from our leadership experience in many areas of computer security and cybercrime within Scotland.

The MSc in Advanced Security & Cybercrime offers the chance to develop your critical reflective practice, specialist computing skills, and can act as a focus for your continuous professional development.

For further course information  
visit [napier.ac.uk/executivemasters](https://napier.ac.uk/executivemasters)  
or contact Dr Naghmeh Moradpoor  
[n.moradpoor@napier.ac.uk](mailto:n.moradpoor@napier.ac.uk)



“The MSc has proved to be what I was looking for: a stretching academic course with really strong connection to the workplace, through the content and people involved in the course. If you want to take responsibility for your own professional development in an ever changing work environment this course can help provide a deep understanding of change.”

**Roddy Gillies**  
Self-employed Consultant



# OUR COURSES

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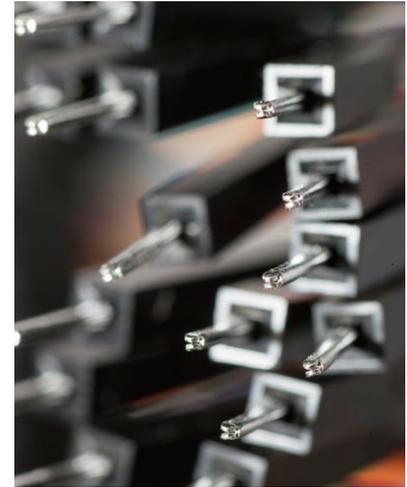
## MSC DATA SCIENCE

**The areas of data science and associated technologies are in high demand both in the commercial and public sectors and there is a shortage of professionals that have the required range of data science understandings and skills. We will help you develop your knowledge so you can fill this important gap.**

If you are working in a data-related role within your organisation, whether in a technical, software or business context and you want to enhance your skills and understanding of contemporary data analysis tools and techniques, this course is for you.

With a background in business, quantitative science or computing, this course enables you to develop into an effective data scientist with the business understanding and analytical, numerical and computing skills to contribute to this vital field. Edinburgh Napier University has excellent research and knowledge transfer links with many local, national and international organisations in data science related areas.

Your learning focuses on the particular requirements of your organisation and your own professional development needs in the area of data science. You will develop your skills and knowledge in data aggregation, manipulation, analytics, modelling, visualisation and reporting. This will allow you to deliver business intelligence and allow you to drive innovation in your organisation.



**For further course information visit**  
[napier.ac.uk/executivemasters](https://napier.ac.uk/executivemasters)  
**or contact Alistair Lawson**  
[a.lawson@napier.ac.uk](mailto:a.lawson@napier.ac.uk)



# OUR COURSES

## MSC STRATEGIC ICT LEADERSHIP

**Edinburgh Napier identified a skills gap among IT professionals and a business need for companies looking to improve through the use of technology. We developed the MSc in Strategic ICT Leadership with this in mind.**

The course addresses both challenges by giving IT professionals the tools and skills to make a greater contribution to business performance, and by helping businesses to ensure their IT projects are driven by business priorities.

This course introduces novel approaches, such as live case studies, to ensure technology projects focus on benefits rather than inputs. You'll learn to take a strategic approach to maximise organisational benefit and to plan for success, by recognising and evaluating all the potential benefits from the outset as well as monitoring the impact of technology across business functions.

You and your organisation will benefit from the course through newly gained skills and confidence to try new approaches which improve performance and lead to greater business benefit.



For further course information visit  
[napier.ac.uk/executivemasters](https://napier.ac.uk/executivemasters)  
or contact Dr Colin Smith  
[cf.smith@napier.ac.uk](mailto:cf.smith@napier.ac.uk)



# OUR COURSES

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## MSC PROJECT & PROGRAMME MANAGEMENT

**If you are looking to develop your own and your organisation's project and programme management practice with a more comprehensive and rounded approach, then this course is for you. Our MSc in Project & Programme Management is in sharp contrast to the traditional fragmented short commercial training courses.**

The work based learning element allows you to immediately benefit from viewing their work activities and processes through different perspectives and embark on a set of tasks that is geared around improving an aspect of your work environment.

At the end of the first year you will have obtained an in-depth knowledge of project and programme management and will be able to transfer these new skills towards improving an aspect of project and programme management within your organisation.

On completion you will find that the MSc has advanced your project and programme management knowledge as well as contributing significantly to your career advancement.



**For further course information visit [napier.ac.uk/executivemasters](http://napier.ac.uk/executivemasters) or contact Pritam Chita [p.chita@napier.ac.uk](mailto:p.chita@napier.ac.uk)**

A close-up photograph of a person's hand pointing at a tablet. The tablet screen displays various business-related charts, including a bar chart and a pie chart. The background is blurred, showing other people and what appears to be a meeting or office environment.

“The work based learning element of the Edinburgh Napier MSc is a key differentiator in building knowledge and skills in programme management and sets it apart from other courses. This approach has allowed me to try different techniques and models in my day to day work with immediate benefits at an organisational and professional level. This is an ideal course for anyone wanting to make the change from project management into programme management.”

**Mark Hutton**

Programme Manager,  
Royal London

# HOW TO APPLY

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We welcome applicants with an Honours Degree in an appropriate subject, or experience which demonstrates they possess the applicable knowledge and skills at Honours Degree standard.

Applicants should already be working in a role with opportunities to apply their new skills. If you have any questions on this, we strongly recommend contacting the programme leader to discuss your suitability.

The quickest and easiest way to make an application is to apply online at **[napier.ac.uk/executivemasters](http://napier.ac.uk/executivemasters)**

If you are unable to make an online application please call us on **+44 (0) 333 900 6040**, or email **[pgadmissions@napier.ac.uk](mailto:pgadmissions@napier.ac.uk)** and we'll send you an application form in an alternative format.

## Fees and funding

Information on fees is listed on each course page on our website. For general information on postgraduate fees, visit **[napier.ac.uk/pg-fees](http://napier.ac.uk/pg-fees)**

## Visit us

There are many opportunities throughout the year when you can visit us to experience Edinburgh Napier for yourself. For more information on upcoming events visit **[napier.ac.uk/events](http://napier.ac.uk/events)**



## Disclaimers

1. The University endeavours to deliver courses and programmes of study in accordance with the description set out in this prospectus. The University's prospectus is produced at the earliest possible date in order to provide maximum assistance to individuals considering applying for a course of study offered by the University. The University makes every effort to ensure that the information contained in the prospectus is accurate but it is possible that some changes will occur between the date of printing and the start of the academic year to which it relates.

Please note that the University's website is the most up to date source of information regarding courses and facilities and we strongly recommend that you always visit the website before making any commitments.

2. Although reasonable steps are taken to provide the programmes and services described, the University cannot guarantee the provision of any course or facility and the University may make variations to the contents or methods of delivery of courses, discontinue, merge or combine courses and introduce new courses if such action is reasonably considered to be necessary by the University. Such circumstances include (but are not limited to) industrial action, lack of demand, departure of key staff, changes in legislation or Government policy, withdrawal or reduction of funding or other circumstances beyond the University's reasonable control.

3. If the University discontinues any courses, it will use its reasonable endeavours to provide a suitable alternative course. In addition, courses may change during the course of study and in such circumstances the University will normally undertake a consultation process prior to any such changes and seek to ensure that no student is unreasonably prejudiced as a consequence of any such change.

4. The University does not accept responsibility, and excludes any liability for damage to students' property (other than through the negligence of the University, its staff or agents), or for the consequences of any modification or cancellation of any course, or part of a course, offered by the University but will take into consideration the effects on individual students and seek to minimise the impact of such effects where reasonably practicable.

5. The University cannot accept any liability for disruption to its provision of educational or other services caused by circumstances beyond its control, but the University will take all reasonable steps to minimise the resultant disruption to such services.

## University rules, regulations and policies

As a condition of enrolment, all students will be required to abide by and submit to the University's Rules, Regulations and Policies, including Student Conduct Regulations, Academic Regulations, Library and Computing Regulations and Health and Safety Rules. These may be viewed at: [napier.ac.uk/regulations](http://napier.ac.uk/regulations) or may be requested by email to: [studentrecruitment@napier.ac.uk](mailto:studentrecruitment@napier.ac.uk).

Our terms and conditions are available on [mynapier.ac.uk](http://mynapier.ac.uk).

## Equal Opportunities

Edinburgh Napier University is committed to providing learning opportunities for all and is aiming to create an environment in which students are selected solely on the basis of merit. It is committed to equality of opportunity for all and will not unlawfully discriminate on any grounds.

## Sustainability

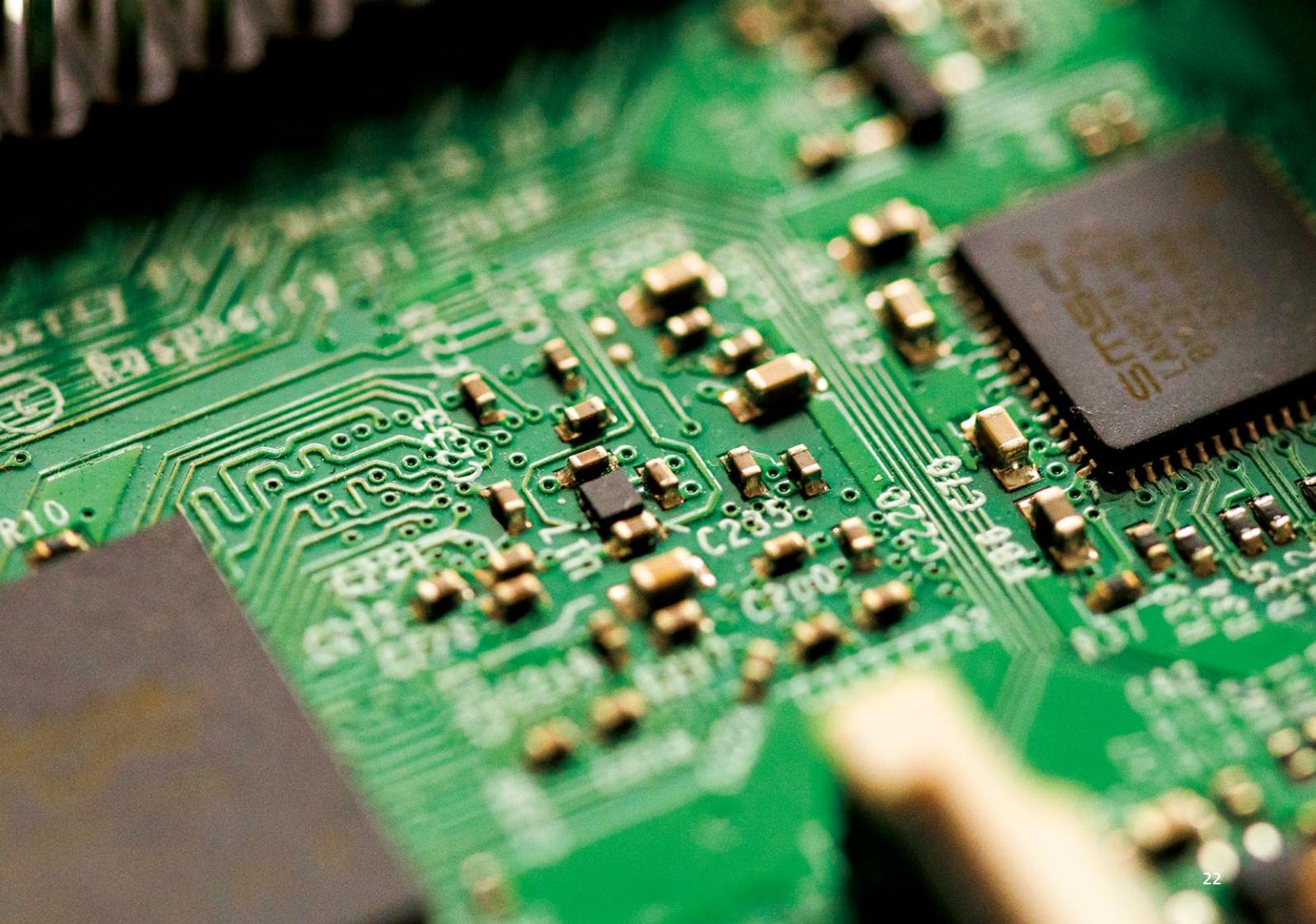
At Edinburgh Napier University we are committed to reducing the environmental impact of our activities. With a dedicated Sustainability Office, working with all students and staff, we are striving to create an even more environmentally aware ethos. For further information, contact: [sustainabilityoffice@napier.ac.uk](mailto:sustainabilityoffice@napier.ac.uk)

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# CONTACT US

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To find out more about Edinburgh Napier University, extra detail on anything covered in this publication or to request further information on our courses, please get in touch.

 [studentrecruitment@napier.ac.uk](mailto:studentrecruitment@napier.ac.uk)

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**+44 333 900 6040**

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