

MSIP SKILLS ACADEMY



A HOME FOR LEARNERS, SKILLED AND NEW



**MICHELIN SCOTLAND
INNOVATION PARC**
SKILLS ACADEMY





MICHELIN-
SCOTLAND
INNOVATION
PARC

OUR PEOPLE ARE OUR STRENGTH

“Michelin Scotland Innovation Parc is creating a space for collaboration across innovation, manufacturing and skills development, for the sustainable mobility and decarbonisation industry. The MSIP Skills Academy sits at the core of that, supporting an industry that is adapting to the just transition to net zero.

“The MSIP Skills Academy connects learners of all ages with businesses and new technologies, to inspire, educate, train and prepare for the future.

“Delivered in partnership, it offers courses adapted to everyone’s needs, set within industrial spaces and classrooms that are equipped with the latest technologies.

“The dedicated learning spaces and curriculum offered are flexible, providing everyone across the sustainable mobility and decarbonisation industry – learners, those located at MSIP and companies across industry – with skills that are adapted to their needs.

“A big part of our mission at MSIP is to continue the legacy that Michelin Dundee started, supporting learners to train, gain new skills and hands on industry experience, to a standard of excellence. The unique ecosystem we have created at the MSIP Skills Academy will do that.

“This is a resource for industry across Scotland to use, and I’m excited to be getting started.”

Greig Coull, CEO, Michelin Scotland Innovation Parc



INSPIRING THE FUTURE WORKFORCE

"I am really proud that Dundee and Angus College are leading on this exciting partnership with Michelin Scotland Innovation Parc (MSIP) to establish the new MSIP Skills Academy.

"This is an exciting time for the whole Tay Cities region with Dundee and Angus College playing a leading role in delivering the underpinning skills required to deliver a number of critical projects, including the MSIP Skills Academy and a range of projects within the Tay Cities Deal.

"The MSIP Skills Academy is an excellent example of collaborative working that will support those companies locating at MSIP, ensuring they have access to the skilled workforce they need, as well as providing the training needed to support the upskilling and reskilling of their staff whilst inspiring the future workforce.

"The MSIP Skills Academy will be supported by a number of regional academic partners including the University of Dundee, Abertay University and the University of St Andrews, offering a comprehensive package of wrap around support for the companies.

"What a fantastic opportunity for the regional economy and the people of Dundee and the wider Tay Cities region."

Simon Hewitt, Principal, Dundee and Angus College

SUPPORTED BY OUR ACADEMIC PARTNERS



University of Dundee



University of St Andrews

ABOUT MICHELIN SCOTLAND INNOVATION PARC

VISION



Be a global reference for collaboration across innovation, manufacturing and skills development, in sustainable mobility and decarbonisation.

MISSION



Build a dynamic, creative home for innovators, manufacturers and skills leaders to collaborate, and nurture growth and advances in sustainable mobility and decarbonisation.

Michelin Scotland Innovation Parc (MSIP) is an ambitious joint venture between Michelin, Dundee City Council, and Scottish Enterprise, created to generate economic growth in Scotland, and support a fair and just transition to a net zero economy.

With a 32-hectare site and excellent physical connectivity, MSIP has dynamic space that can adapt to all sizes of business for creation, testing and development and manufacture of technologies, for the future of sustainable mobility.

MSIP offers green and sustainable energy to manufacturers and researchers, so technologies developed at MSIP are done so with respect to the environment.

Underpinning all activities at MSIP is a collaborative approach to achieving net zero goals.

FACILITIES OFFERED AT MSIP

- Industrial space
- Innovation campus
- Innovation hub
- Innovation labs
- Skills Academy
- Green and sustainable energy
- LOCATE
- Hydrogen Refuelling Station
- Funding and support
- Other amenities





MSIP SKILLS ACADEMY

MSIP's Skills Academy brings skills and knowledge from the college and universities together with industry, to deliver new skills, for new technologies.

It offers dedicated skills training to current and future employees of companies located at MSIP and across industry, through a comprehensive range of training focused on the skills needs of companies.

The curriculum and delivery style of the MSIP Skills Academy builds on the strong legacy of Dundee and Michelin, inspiring new generations of engineers, technicians and operators to design and manufacture for the sustainable mobility and decarbonisation sectors.

VISION



Provide a comprehensive and easily accessible learning and skills ecosystem to address learner and industry needs, demonstrating leadership in Scotland's Just Transition to Net Zero.

MISSION



Through a broad and flexible curriculum from entry-level to professional development, and access to future technologies, generate the talent pipeline to meet industry's skills needs.

AIMS

1. Be an accessible, national skills centre of excellence for sustainable mobility and decarbonisation.
2. Inspire, educate and prepare the future workforce to accelerate the green recovery.
3. Engage, influence and support the delivery of government policy.



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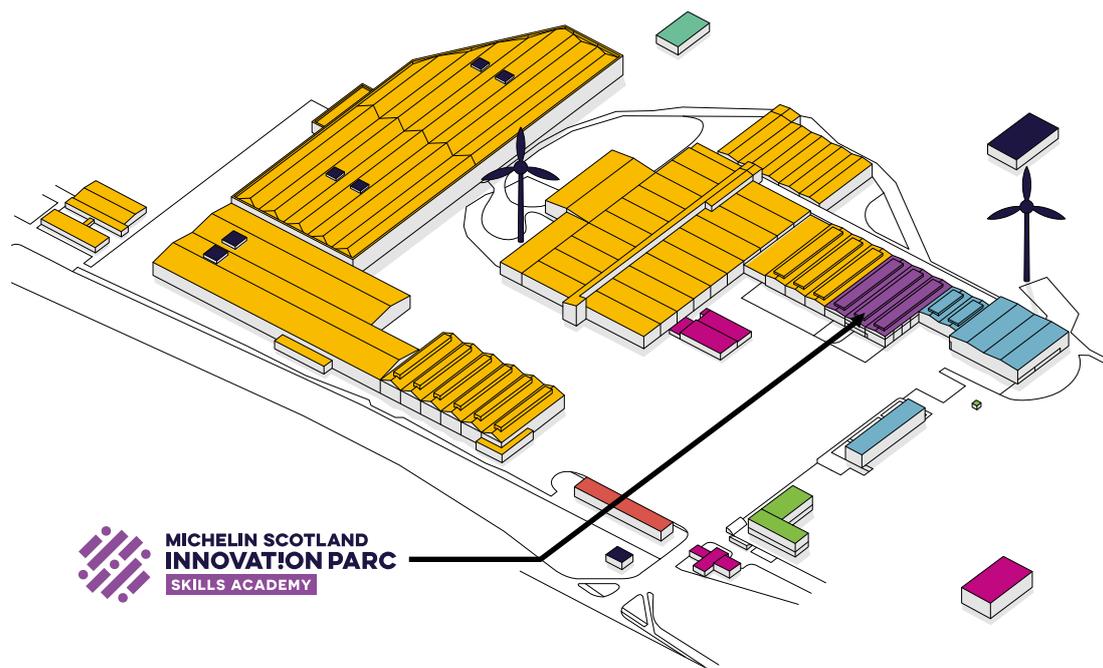


PHYSICAL SPACE

The MSIP Skills Academy has been developed with industry in mind.

Utilising a large industrial unit, the MSIP Skills Academy will have classrooms, workshops and large, versatile space for learning and demonstrations of new and emerging technologies.

It has been built to be flexible to ensure the MSIP Skills Academy can adapt to curriculum and industry's skills needs.



The MSIP Skills Academy sits at the centre of Michelin Scotland Innovation Parc.



EXISTING AND EMERGING TECHNOLOGIES

The MSIP Skills Academy is focused on learners at all levels. It provides training that covers existing and next generation technologies across the sustainable mobility and decarbonisation industry.

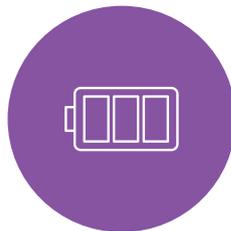
The MSIP Skills Academy enables and inspires a future workforce for business and industry, through an engaging STEM offer and access to the new technologies.



Manufacturing
Entry Level to Advanced



Low Carbon Transport



Lithium-Ion
Battery Technology



Hydrogen



Renewable Energy



Heat Batteries



Health and Safety



A FLEXIBLE, BESPOKE CURRICULUM

The MSIP Skills Academy focuses on the skills needs of business and industry. It offers dedicated skills training to current and future employees of companies located at MSIP, and beyond.

It provides links to all academic partners' full curriculum offer, and the MSIP Skills Academy will work with companies to develop bespoke programmes that meet future workforce needs, ensuring that next generation requirements are met.

FUTURE TALENT

- STEM Inspiration
- School College Partnerships
- Other Declining Sectors
- Unemployed
- Foundation Apprenticeships
- Modern Apprenticeships
- Potential For Shared Apprenticeships
- Graduate Apprenticeships
- Undergraduate Courses
- Masters Programmes
- Doctoral Programmes



INDUSTRY LED PROGRAMMES

- Employee Pipeline
- New Employee Support
- Entry Level Factory Skills
- Upskilling and Reskilling
- Future Skills Requirements

WIDER TRAINING ACCESS

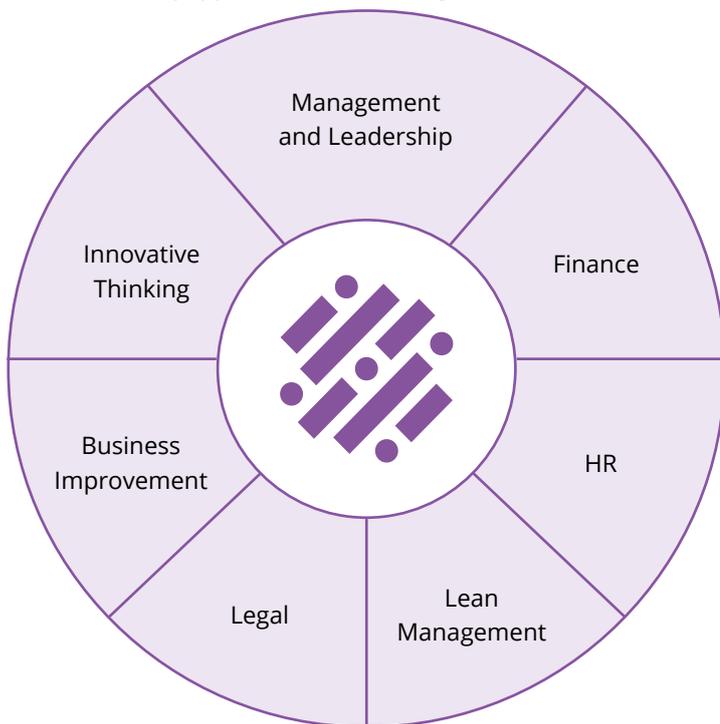
Beyond the comprehensive offer at the MSIP Skills Academy, your business and learners can access training support at partner campuses.

The MSIP Skills Academy Interactive Map and Course Directory allows employers and individuals to explore the relevant courses and apprenticeships on offer across the academic partners. You can access this at - <https://directory.esp-scotland.ac.uk/colleges/msip-skills-academy/>

A COMPREHENSIVE CURRICULUM

The MSIP Skills Academy has a comprehensive curriculum offer across entry, HNC/D, graduate and post-graduate level teaching. It also provides access to research opportunities, through its strong academic partnerships.

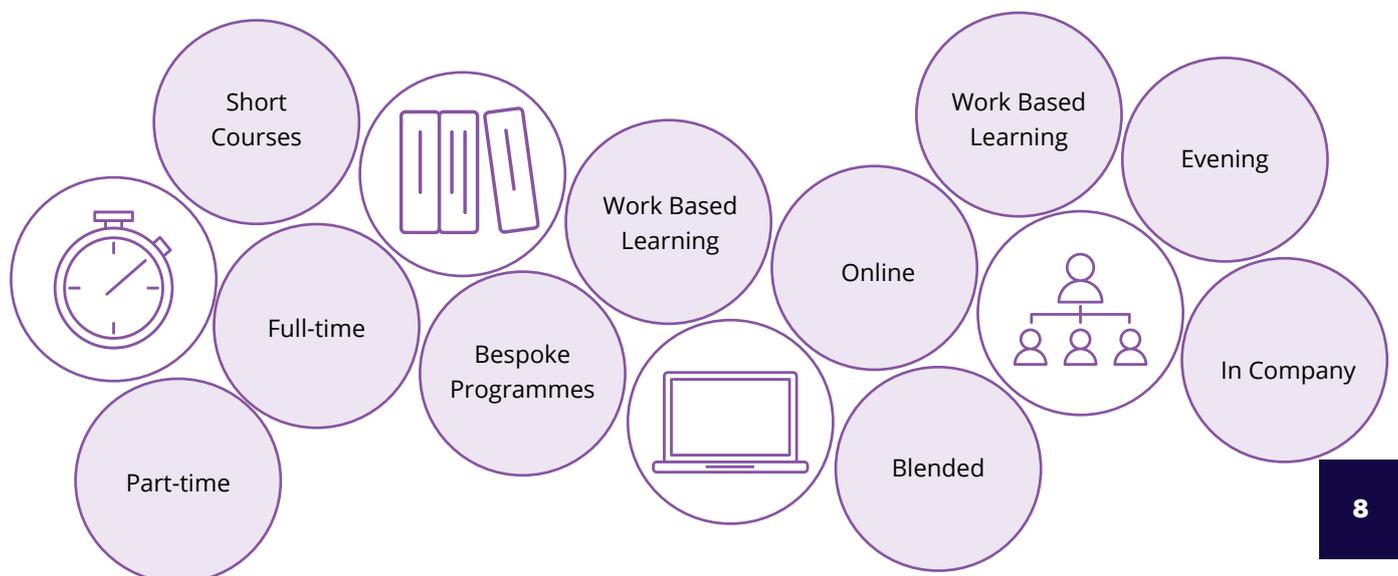
This is across a range of levels and topics, extending beyond that of sustainable mobility and decarbonisation. This ensures the future workforce is equipped, to be the strongest it can be.



FLEXIBLE DELIVERY OPTIONS

The MSIP Skills Academy curriculum is delivered in a range of flexible formats to fit the needs of business and industry.

The options are inclusive of learners at all levels and circumstance and allow businesses to fully access everything that is available, fitting around the needs and routine of the business.





FUNDING AND SUPPORT

The MSIP Skills Academy will support your business education and skills training whilst supporting learners seeking to access training and develop new skills.

The public sector partners provide a wide range of advice and support through the MSIP Skills Academy, to maximise the offer and minimise the effort.

By connecting industry and academia the MSIP Skills Academy will ensure that future skills requirements are met.



There are a range of [funding packages](#) available to support training and reskilling needs, through the MSIP Skills Academy. Please get in touch at skillsacademy@msipdundee.com for the most up to date funding and support available.

SUPPORTING MANUFACTURING

The MSIP Skills Academy enhances an already strong academic offer in Scotland, with a targeted focus on green industry courses. With the Scottish Green economy destined to grow even faster than it already has, ensuring there is an available supply of skilled workers is more important than ever.

The MSIP Skills Academy offers short and fast turnaround skills training, through to high end technical and digital skills. This provides core skills to those learners that are untrained and/or inexperienced in modern industrial settings and supports the continuous development of existing/skilled individuals.

This will enable a steady supply of ready-made workers as manufacturing companies grow and adapt to the opportunities the growing green economy will create, offering core base skills and enhanced job prospects for people entering the green sector industries.



“We’re pleased to be an early part of the MSIP Skills Academy’s initiative to drive collaboration between industry, academia and the public sector and are looking forward to being an active part of a programme to support the deployment of zero-emission vehicles and decarbonisation of transport.”

Dr Ben Todd, CEO, Arcola Energy

“As a battery systems manufacturer, it is imperative that we attract and retain skilled personnel that understand the fundamentals of battery systems and understand how these battery systems are put together. It is equally important our employees have the practical skills to manufacture not only in a volume production environment, but to put together low volume and prototype battery systems. The MSIP Skills Academy supports this requirement by focussing on skills and knowledge specific to our business which cannot be simply instilled by generic courses typical in academia. The MSIP Skills Academy is fundamentally important to the future of our business by forming employees with the right skills and knowledge to enter into and benefit from a rapidly growing industry.”

Stuart Morrison Managing Director, MEP Technologies Ltd.

“Based on over 35 year experience in Scottish Manufacturing and last 12 years in leading-edge technology, I see a fantastic opportunity for Scotland to be world leading on sustainable mobility and decarbonisation technologies. We already punch above our weight in terms of Innovation and R&D however we need reclaim our heritage as a world class manufacturing country and to do this we need to build a solid manufacturing foundation, a robust & sustainable supply chain and absolutely critical, grow a skills base that put equal focus on core practical hands-on skills alongside an excellent Scottish qualification based system. I think the MSIP Skills Academy will be ground-breaking in what it will deliver to MSIP tenant community and the wider Green manufacturing sector and show the way to start making what we invent.”

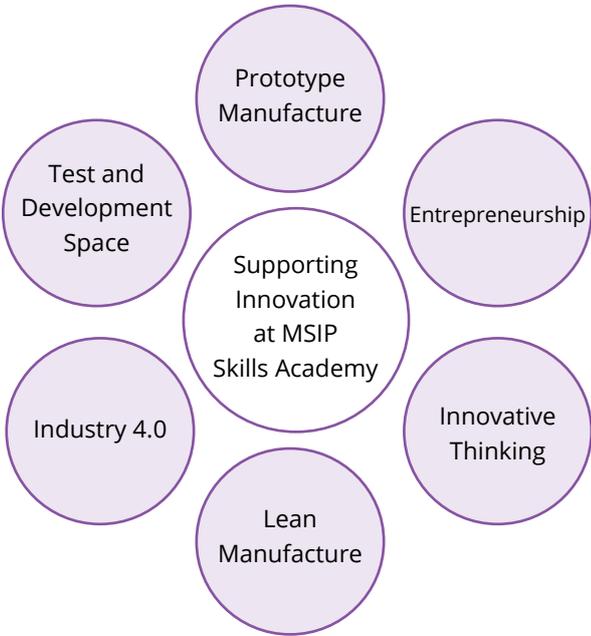
Colin Arnold, Business Development Manager, MSIP



SUPPORTING INNOVATION

The MSIP Skills Academy has strong links into MSIP's other facilities across both its Industrial space and Innovation Campus, including the Innovation Hub and Innovation Labs.

Industry and learners can nurture new opportunities collaboratively, and develop ideas, prototype, form knowledge transfer partnerships and much more.





SUPPORTING INNOVATION THROUGH OUR PARTNERS

Dundee and Angus College, Service Design Academy

The main goal of service design is to transform services. It puts people first, using creativity to solve problems and challenge assumptions. It creates environments where innovation happens. It is dedicated to supporting a growing community of change makers. It builds the skills of design leaders and capacity in business to create better services and customer experiences.

Contact: Maralyn Boyle info@sda.ac.uk
<https://www.sda.ac.uk>

The University of Dundee

The University of Dundee's Research and Innovation Services (RIS) provides a comprehensive spectrum of services to the continuum of research, innovation, and impact from the University's Academic Schools. Their role is to identify and facilitate early innovation discussions in promoting initiatives such as Innovation Vouchers, Knowledge Transfer Partnerships (KTPs), creating dynamic new companies, consultancy opportunities and other products to stimulate productive working between regional companies and the University.

Contact: Margaret Teven research@dundee.ac.uk
<https://www.dundee.ac.uk/industry>

The University of St Andrews

The University of St Andrews has outstanding research expertise in low carbon and sustainable mobility, with an established reputation for leading-edge work in energy production and storage, low carbon propulsion and fuels, energy systems and other relevant areas. Research into energy technologies at the University is widely regarded in academic and industry fields.

The University's new Innovation Campus at Eden Campus is the physical front door to the University. Home to a former paper mill, it combines local energy production (solar PV and biomass heating) with a new R&D facility for energy and low carbon activity. It provides an ideal location to test and demonstrate whole-system approaches on a scale not possible in a laboratory.

Contact: Ian Hill ih48@st-andrews.ac.uk
www.st-andrews.ac.uk

Abertay University

Abertay University has an extensive track record of working with a wide range of industries through Knowledge Transfer Partnerships (KTPs), consultancy work and studentships and we are keen to engage with local and national industries. The School of Applied Sciences and School of Design and Informatics were recently awarded some funding from Scottish Enterprise to help SMEs become more sustainable and energy efficient (<https://www.abertay.ac.uk/business/facilities-and-services/transform-net-zero/>), building on expertise developed from previous projects such as the LoCalNet EU Regional Development project on low-carbon initiatives.

Contact: Andrew Minto a.minto@abertay.ac.uk
<https://www.abertay.ac.uk/>



KEY PLAYERS AT MSIP SKILLS ACADEMY

The MSIP Skills Academy is delivered in partnership with academia and industry. Visit our partner websites or contact skillsacademy@msipdundee.com to find out more.

| ACADEMIC PARTNERS | INDUSTRY PARTNERS | SUPPORTING PARTNERS |
|---|---|--|
|   University of Dundee  Abertay University  University of St Andrews |  MICHELIN SCOTLAND INNOVATION PARC  arcola energy  coast Renewable Services Ltd |  ESP  Skills Development Scotland  DYW DUNDEE & ANGUS Developing the Young Workforce  Scottish Enterprise  Scottish Funding Council Comhairle Maoinachaidh na h-Alba  dundee science centre |



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