

www.cleantech-imperial.co.uk

Innovate new technologies to tackle the climate challenge with deeptech and design skills.

Become a Cleantech pioneer through collaboration with designers, engineers and scientists.

Launch a Cleantech venture with your team as part of London's startup ecosystem.

MSc Cleantech Innovation

12 months

Develop a Cleantech Innovation with a team of 3 other students as part of a cohort of climate innovators.

Learn about entrepreneurship and spend time with a cleantech startup.

Develop deeptech skills for a cleantech innovation.

		AUTUMN TERM Scoping climate change & cleantech interventions 20 ECTS	SPRING TERM From Cleantech Idea to Cleantech Startup 20 ECTS	SUMMER TERM Technology Validation & Cleantech Entrepreneurship 50 ECTS
Curriculum	MSc Project	Cleantech Innovation Project Part 1: Ideation, Design Methods & Prototyping 5 ECTS	Cleantech Innovation Project Part 2: Business Model & Customer Discovery & Pitch 10 ECTS	Cleantech Innovation Project Part 3: Advanced Prototyping & Asset Creation 10 ECTS
	Cleantech Entrepreneur	Climate Change for Cleantech Innovators 5 ECTS		LCA & Social Impact for Cleantech innovations 5 ECTS
	Engineering Skills	Choose 1 out of 5 Electives (A) 5 ECTS: <ul style="list-style-type: none"> - From Data to Product (Level 7) - Responsible Engineering (Level 7) - Nano Design Engineering (Level 7) - Sensing and IoT (Level 7) - Design Analytics for Sharing Economy (Level 7) 	Choose 2* out of 11 Electives (B) 2 x 5 ECTS: <ul style="list-style-type: none"> - Sustainable Resource Management (Level 7) - Design of Visual Systems (Level 7) - Design for Additive Manufacturing (Level 7) - Sustainable Energy Storage Design (Level 6) - Machine Learning for Design Engineering (Level 6) - Advanced Industrial Design (Level 6) - Audio Experience Design (Level 6) - Economic and Finance for System Design (Level 6) - Design Interventions for Behaviour Change (Level 6) - Inferential statistics and casual reasoning (Level 7) - Sustainable design and strategy (Level 7) 	MSc Thesis in Cleantech Innovation 25 ECTS
	Design Engineering Practice 5 ECTS			Greenhouse Residency Project 10 ECTS

* only up to 1 Elective (Level 6) can be selected

Programme

Develop a deep understanding of the technical aspects of climate change challenges and formulate your own solutions to these within the cleantech themes of energy, materials, manufacturing, water, transport and food.

The MSc Cleantech Innovation is jointly delivered through the Dyson School of Design Engineering and the Grantham Institute for Climate Change and the Environment. You will also interact through Undaunted, the Grantham Institute's innovative initiative, including completing a residency project with the Greenhouse accelerator programme startups.

You will have the opportunity to meet and learn from expert innovators across the Cleantech spectrum. Develop new skills as a designer, innovator and problem solver to create your own technology and get ready to launch it into the world, delivering real change. You will work with collaborators inside and outside Imperial to help make your Cleantech solutions a reality!