**U6th Pre-Degree Course Extension Opportunities**



**MedTech: Trends and Product Design**

Explore the product design process of MedTech devices and examine future trends in healthcare technology and the MedTech industry.

Click Link Below:

<https://www.futurelearn.com/courses/medtech-trends-and-product-design>



**Biomimicry – Design inspired by nature**

From airplanes and skyscrapers to textiles and electronics, humans have developed many amazing things! But despite all of our technology and creativity we still have much to learn from the natural world around us. Nature still manages to beat us in efficiency, beauty, and function. Engineers have learned a lot from nature and continue to discover!

<https://www.myheplus.com/post-16/subjects/engineering/biomimicry-design-inspired-by-nature>



**Innovation Management: Winning in the Age of Disruption**

Learn how successful organisations like IBM manage innovation to disrupt markets and achieve business advantage.

<https://www.futurelearn.com/courses/managing-for-innovation>



**Enhancing the Quality of Urban Life: Fifteen Winning Projects of the Aga Khan Award for Architecture**

Find out how we can improve life for people in cities by looking at award-winning architecture projects from across the globe.

<https://www.futurelearn.com/courses/enhancing-the-quality-of-urban-life>



**Video Game Design and Development: Video Game Character Design**

How and why do video gamers identify with the characters they control? Find out with this introduction to character design.

<https://www.futurelearn.com/courses/video-game-character-design>



**ABC of Flight Mechanics: How Do Planes Fly?**

Discover how airplanes work and explore simple flight mechanics: from take off and landing, to the physics of flight.

<https://www.futurelearn.com/courses/flight-mechanics>



**Re-Enchanting the City: Designing the Human Habitat**

Most people now live in cities. With populations growing, how do we make these dense future cities green, liveable and poetic?

<https://www.futurelearn.com/courses/re-enchanting-the-city>



**Getting Started with Agile and Design Thinking**

Get an introduction to agile product development and design thinking so you can build better digital products.

<https://www.futurelearn.com/courses/agile-meets-design-thinking>



**Product designer: What I do and how much I make**

What does a product designer do? Donna talks about working in tech and how much a product designer can earn in the Bay Area.

<https://www.khanacademy.org/college-careers-more/career-content/design-create-perform/product-designer/v/donna-product-designer-part-1-what-i-do-and-how-much-i-make>

Electrical Engineering

<https://www.khanacademy.org/science/electrical-engineering>

Mechanical Engineering

<https://www.khanacademy.org/science/physics/work-and-energy/mechanical-advantage/v/introduction-to-mechanical-advantage>

**You can also search to see if there is a course more suited to your area of interest using:**

[**www.Futurelearn.com**](http://www.Futurelearn.com)