MSc Precision Medicine

This new MSc will equip you with state-of-the-art knowledge relating to mechanistic understanding of disease and technologies that detect, diagnose and specifically treat causal factors of disease. It is taught by research scientists, clinicians and industry experts.

Degree Summary
This degree offers advanced knowledge in all aspects of Precision Medicine including genomics, bioinformatics, structural biology, genetics and epigenetics of disease and their precision diagnosis and treatment, biomedical imaging techniques, nanomedicine and analysis of big data.

Structure
MSc (180 credits) 4 core and 4 optional modules and a research project.
Research project Wet lab and computational projects (min 3 months) from UCL expert groups or external companies

Core Modules (15 credit each)
• Bioinformatics and Structural Biology
• The Genetic and Epigenetics of Disease
• Advanced Biomedical Imaging Techniques I
• Precision Diagnosis for Precision Medicine

Optional Modules (15 credit each)
• Multiomics and ethics
• Translational Biomedical Imaging of Disease & Therapy I
• Mathematics, computers and medicine
• Practical Laboratory Research Skills
• Nanomedicines

Modes and duration
Full time: 1 year  Part time: 2 years  Flexible: up to 5 years

Entry Requirements
Minimum 2:1 undergraduate degree in a relevant discipline from a UK university or an overseas qualification of equivalent standard or appropriate professional work experience.

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www.ucl.ac.uk/wibr/teaching/msc-precision-medicine