



**Manchester Academy for
Healthcare Scientist Education**

STP Open Day Blood Sciences

January 2017



Blood Sciences

Individual disciplines

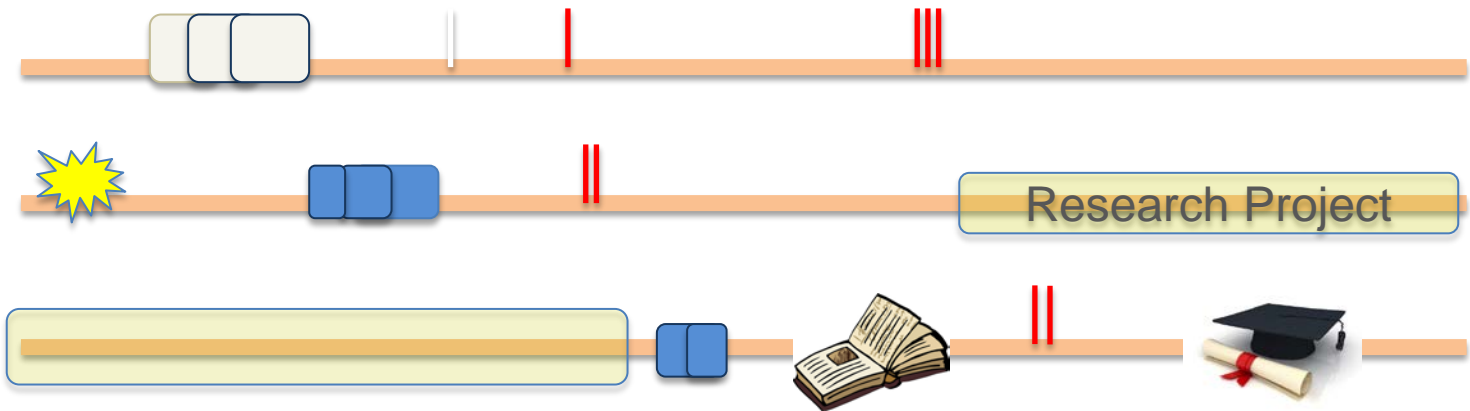
- Clinical Biochemistry
- Clinical Immunology
- Haematology & Transfusion Sciences
- Histocompatibility & Immunogenetics

Programme Structure

Year 1	Professional Practice (15 credits)	Analytical Methods (15 credits)	Introduction to Blood Sciences (30 credits) <ul style="list-style-type: none"> • <i>Clinical Immunology</i> • <i>Clinical Biochemistry</i> • <i>Haematology and Transfusion Science</i> • <i>Genetics and molecular science</i> 	
Year 2	Clinical Biochemistry Diseases of the Major Organs (15 credits) Endocrinology (15 credits) Research Project (30 credits)	Clinical Immunology Research Methods Immunology and Infection (15 credits) Immunodeficiency and Immunotherapy (15 credits) Research Project (30 credits)	Histocompatibility & Immunogenetics (H&I) Histocompatibility (15 credits) Immunodeficiency and Immunotherapy (15 credits) Research Project (30 credits)	Haematology & Transfusion science Clinical Haematology (10 credits) Transfusion (10 credits) Research Methods (10 credits) Research Project (30 credits)
Year 3	Nutrition & Drug Monitoring (15 credits) Paediatric Biochemistry (15 credits) Research Project (30 credits)	Adv Clinical Immunology (30 credits) <ul style="list-style-type: none"> • <i>Hypersensitivity & Allergy</i> • <i>Haematology Malignancy & Transplantation</i> • <i>Autoimmunity</i> Research Project (30 credits)	Advanced H&I (30 credits) <ul style="list-style-type: none"> • <i>Hypersensitivity & Allergy</i> • <i>Haematology Malignancy & Transplantation</i> • <i>Haemopoetic stem cell Transplantation</i> Research Project (30 credits)	Haemostasis (10 credits) Haematological Malignancy (10 credits) Transfusion 2 (10 credits) Research Project (30 credits)

MSc Timeline example (Biochemistry)


Sept Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug




 Teaching block in Manchester

 Assignment deadline

 Exam in Manchester

 Project idea / research proposal submitted

 Dissertation deadline

Delivery Timetable

Year 1

6 week block (Nov-Dec)

Year 2

5 weeks (max) – may consist of single or multiple week blocks depending on specialist pathway

Year 3

4 weeks (max) – may consist of single or multiple week blocks depending on specialist pathway

Research Project

Completed between end of taught units in year 2 and beginning of taught units in year 3 (Base hospital)

Credit weightings

- **180 credits in total**
 - 120 credits taught
 - 60 credits research project
 - 1 credit = 10 hours study; 1 hour contact, 9 hours self directed (varies between programmes)
- **National School stipulates 1 day/week academic work**
 - Does not include OLAT
 - Does not include time in Manchester

Teaching delivery

- **Block Release**
- **Varied sessions**
 - Face-2-face lectures
 - Recorded lectures
 - E-learning packages
 - Workshops
 - Group work
 - Problem based learning
 - Simulated scenarios
- **Taught by academics but mostly NHS professionals**



Blood Science Programme members

Phil Macdonald (Clinical Lecturer)	Programme Director / Biochemistry pathway lead	philip.macdonald@manchester.ac.uk
Kath Hayden (NHS) (Consultant Biochemist)	Clinical lead (Biochemistry)	Katharine.Hayden@CMFT.nhs.uk
Joanne Pennock (Lecturer)	Clinical Immunology Pathway Lead	joanne.l.pennock@manchester.ac.uk
Anthony Rowbottom (NHS) (Consultant immunologist)	Clinical lead (Immunology)	Anthony.Rowbottom@lthtr.nhs.uk
Amanda Robson (NHS) (Principal Clinical Scientist)	Clinical lead & H&I pathway lead	Amanda.Robson@cmft.nhs.uk
Ciaren Graham	Haematology & Transfusion pathway lead	<u>c.graham@mmu.ac.uk</u>

NHS Curriculum



MODERNISING SCIENTIFIC CAREERS

Scientist Training Programme
MSc in CLINICAL SCIENCE
Curriculum

BLOOD SCIENCES

2013/14

ACADEMIC

Modernising Scientific Careers



Science in healthcare DRIVING A MODERN NHS



MODERNISING SCIENTIFIC CAREERS

Scientist Training Programme
Work Based Training

Learning Guide

BLOOD SCIENCES

2012/13

WORKPLACE



<http://www.networks.nhs.uk/nhs-networks/msc-framework-curricula>

Information

Website: www.mahse.co.uk

Email: admin@mahse.co.uk



The screenshot shows the homepage of the Manchester Academy for Healthcare Scientist Education (MAHSE). The website has a dark blue header with the MAHSE logo on the left, which consists of a cluster of light blue circles. To the right of the logo, the text reads "Manchester Academy for Healthcare Scientist Education". Further right, there are logos for "MANCHESTER 1824 The University of Manchester", "NHS", "Manchester Metropolitan University", and "University of Salford MANCHESTER". Below the header is a white navigation bar with links for "Home", "Our Programmes", "For Supervisors", "For the Public", "News and Events", "Contact Us", and "About Us". The main content area features a large image of a laboratory with a person in a white lab coat working at a workstation. Overlaid on this image is the text "I want to work in Healthcare Science" and a blue button labeled "Read more". Below the image, there are two sections: "Events" with a "Month" button selected and a "List" button, and "Latest Tweets" with a single tweet that reads "The HEE Genomics Education Programme website is live. To access the intro-".