



**Manchester Academy for
Healthcare Scientist Education**

STP Open Day Blood Sciences

January 2019

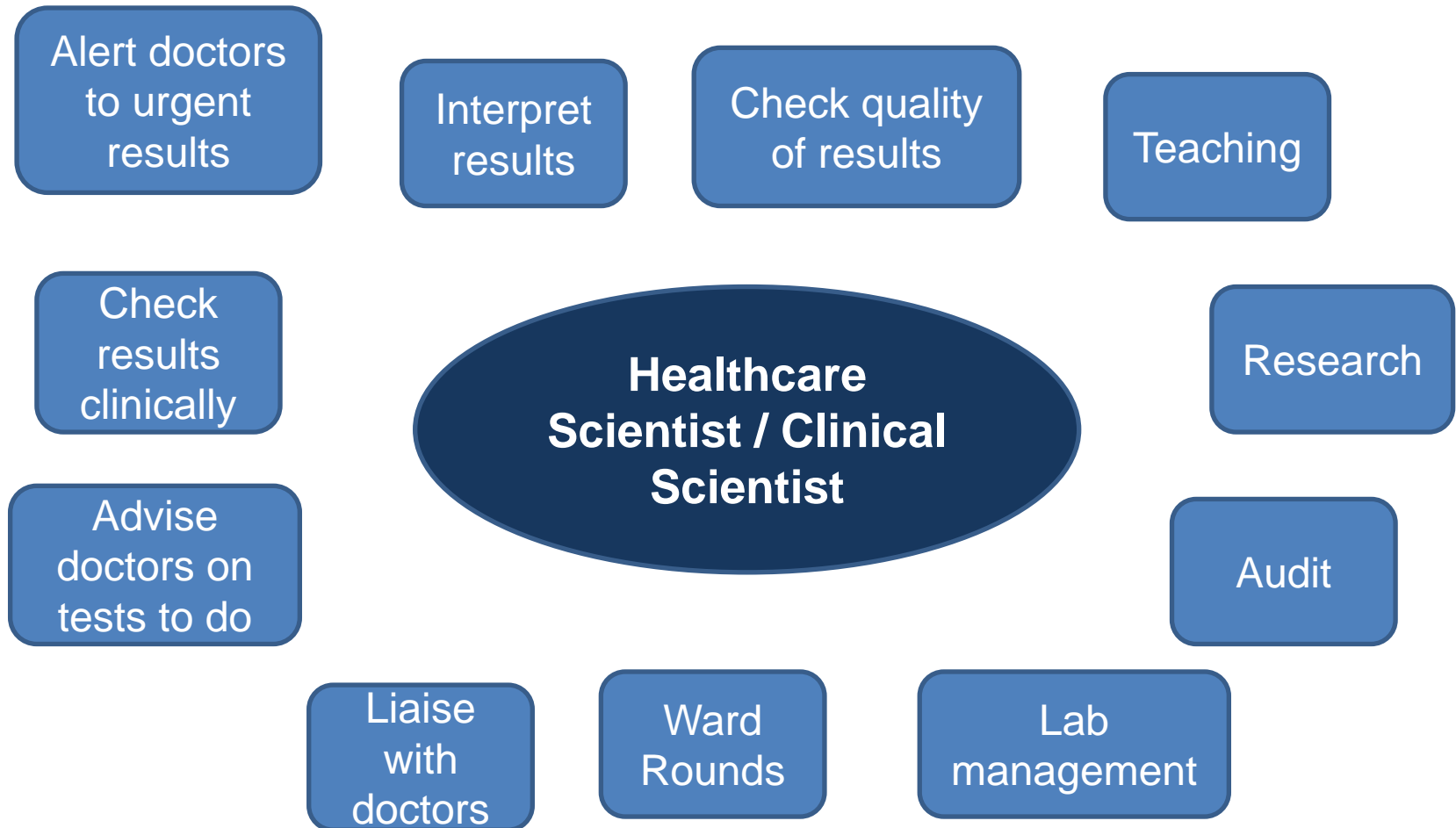


Blood Sciences

Individual disciplines

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

What do Healthcare Scientists in blood science do?

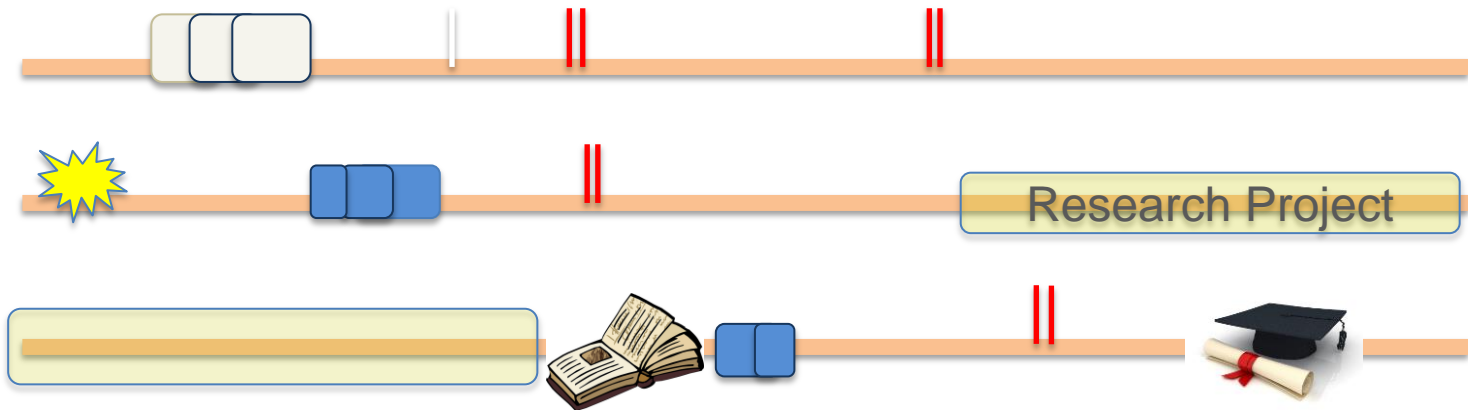


Masters Programme Structure (Blood Science)

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

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 OneFile
 - 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 / Clinical Biochemistry Pathway Lead	philip.macdonald@manchester.ac. uk
Kath Hayden (NHS) (Consultant Biochemist)	Clinical Lead (Biochemistry)	katharine.hayden@mft.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
Natalia Diaz Burlinson(NHS) (Consultant Clinical Scientist)	Clinical Lead & H&I Pathway Lead	natalia.diazburlinson@mft.nhs.uk
Nina Dempsey-Hibbert (Lecturer)	Haematology & Transfusion Pathway Lead	n.dempsey-hibbert@mmu.ac.uk

NHS Curriculum

<https://curriculum.nshcs.org.uk/programmes/stp>

Clinical Biochemistry (2018)

Modules

Core modules Rotation modules Specialist modules

Code	Title	Credits	
SLS100	Clinical Biochemistry Investigation of Major Organ Function	10	Compulsory
SLS102	Introduction to Haematology and Transfusion Science	10	Compulsory
SLS402	Genetics Genomics and Molecular Science	10	Compulsory
SLS103	Immunity and the Principles and Practice of Clinical Immunology	10	Compulsory

How would you improve this service?

Complete this short [survey](#) about your use of the Curriculum Library.

Frequently asked questions

How is the STP programme structured?

How will I be assessed?

Is there a choice of modules that I can complete?

Visit our website for more STP FAQs

Clinical Biochemistry - programme specification

Click into each module for more information on the workplace and academic learning outcomes associated with each module

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 browser address bar displays "mahse.co.uk". The header features the MAHSE logo on the left, which consists of the acronym "MAHSE" in a bold, blue font with a cluster of blue circles of varying sizes behind it. Below the logo is the text "Manchester Academy for Healthcare Scientist Education". To the right of the logo are logos for partner institutions: "MANCHESTER 1824 The University of Manchester", "Manchester Metropolitan University", "University of Salford MANCHESTER", and "UNIVERSITY OF LIVERPOOL". A navigation menu below the header includes links for "Home", "Our Programmes", "For Supervisors", "For the Public", "Projects", "News and Events", "Contact Us", and "About Us". The main content area features a large photograph of four people in a professional setting. Overlaid on the left side of the photo is a semi-transparent grey box containing the text "I want to contribute to Healthcare Science" and a blue button labeled "Read more". Below the photo, there are two sections: "MAHSE Blog" and "Tweets by @MAHSE1".

Thank you

Questions??