

# Blood Sciences

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# Blood Sciences

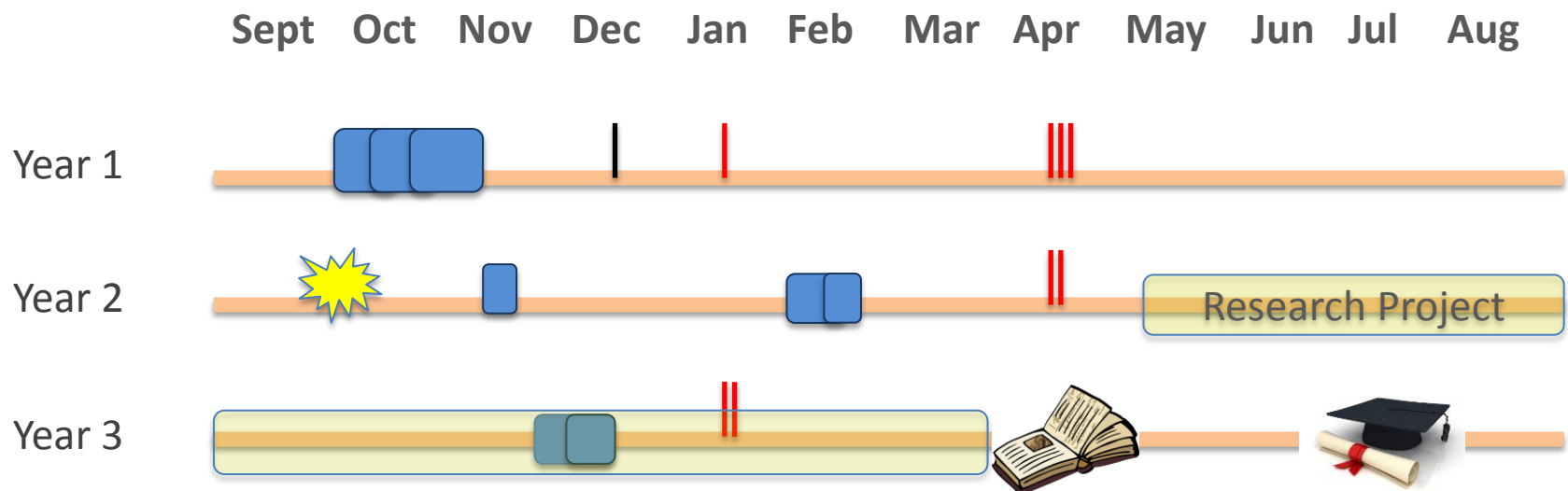
## Individual disciplines

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

## Programme Structure

Year 1	<b>Professional Practice</b> (15 credits)	<b>Analytical Methods</b> (15 credits)	<b>Introduction to Blood Sciences</b> (30 credits) <ul style="list-style-type: none"> <li>• Clinical Immunology</li> <li>• Clinical Biochemistry</li> <li>• Haematology and Transfusion Science</li> <li>• Genetics and molecular science</li> </ul>	
Year 2	<b>Clinical Biochemistry</b>	<b>Clinical Immunology</b>	<b>Histocompatibility &amp; Immunogenetics (H&amp;I)</b>	<b>Haematology &amp; Transfusion science</b>
	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)	<b>Adv Clinical Immunology</b> (30 credits) <ul style="list-style-type: none"> <li>• Hypersensitivity &amp; Allergy</li> <li>• Haematology Malignancy &amp; Transplantation</li> <li>• Autoimmunity</li> </ul>	<b>Advanced H&amp;I</b> (30 credits) <ul style="list-style-type: none"> <li>• Hypersensitivity &amp; Allergy</li> <li>• Haematology Malignancy &amp; Transplantation</li> <li>• Haemopoetic stem cell Transplantation</li> </ul>	Haemostasis (10 credits)
	Paediatric Biochemistry (15 credits)			Haematological Malignancy (10 credits)
	Research Project (30 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)



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)

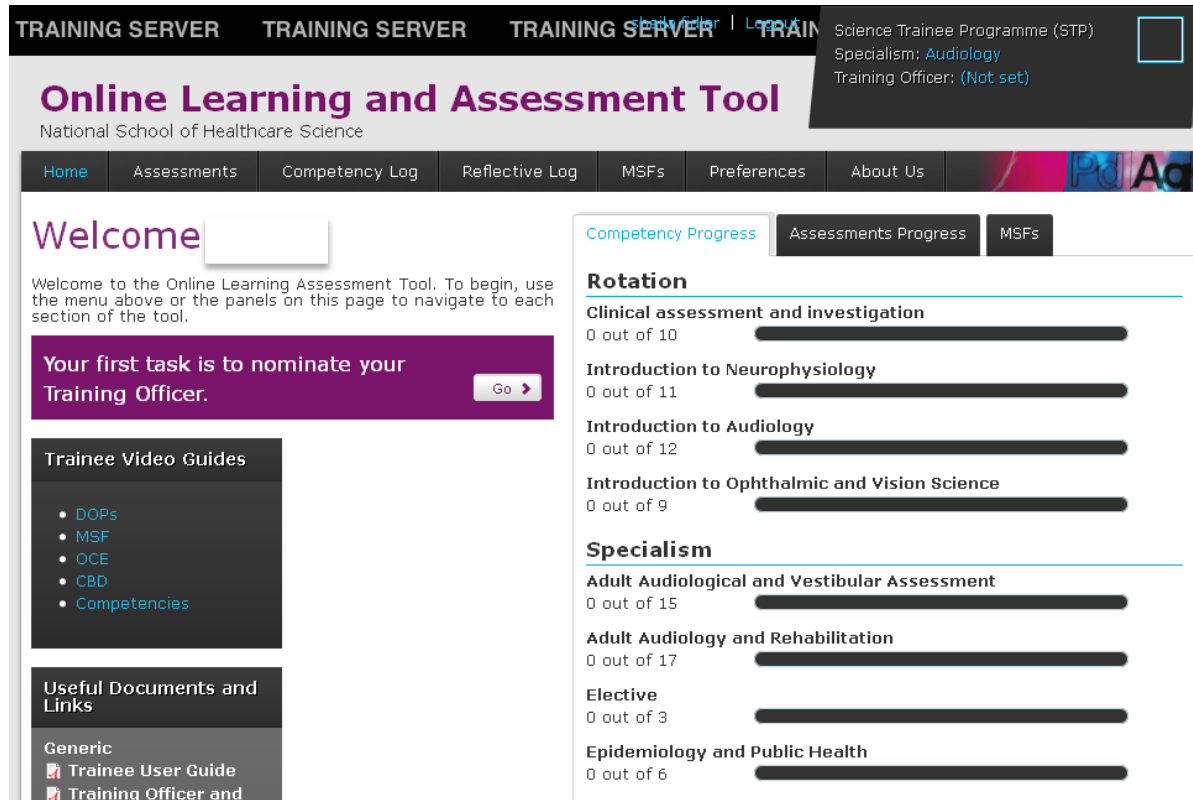
Year 2: 5 weeks (max) – may consist of single or multiple week blocks depending on specialist pathway

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)

# OnLine Assessment Tool (OLAT) (workplace)



**TRAINING SERVER TRAINING SERVER TRAINING SERVER TRAINING SERVER** [Home](#) [Logout](#)

Science Trainee Programme (STP)  
Specialism: [Audiology](#)  
Training Officer: [\(Not set\)](#)

## Online Learning and Assessment Tool

National School of Healthcare Science

[Home](#) [Assessments](#) [Competency Log](#) [Reflective Log](#) [MSFs](#) [Preferences](#) [About Us](#)

### Welcome

Welcome to the Online Learning Assessment Tool. To begin, use the menu above or the panels on this page to navigate to each section of the tool.

**Your first task is to nominate your Training Officer.** [Go >](#)

**Trainee Video Guides**

- [DOPs](#)
- [MSF](#)
- [OCE](#)
- [CBD](#)
- [Competencies](#)

**Useful Documents and Links**

- [Generic](#)
- [Trainee User Guide](#)
- [Training Officer and](#)

**Competency Progress** **Assessments Progress** **MSFs**

### Rotation

**Clinical assessment and investigation**  
0 out of 10

**Introduction to Neurophysiology**  
0 out of 11

**Introduction to Audiology**  
0 out of 12

**Introduction to Ophthalmic and Vision Science**  
0 out of 9

### Specialism

**Adult Audiological and Vestibular Assessment**  
0 out of 15

**Adult Audiology and Rehabilitation**  
0 out of 17

**Elective**  
0 out of 3

**Epidemiology and Public Health**  
0 out of 6

# 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



# 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.**





# Manchester Academy for Healthcare Scientist Education



# Information

[www.mahse.co.uk](http://www.mahse.co.uk)



# Thank you

# Questions??

Phil Macdonald  
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