

HSST: Physiological Sciences Theme

Year 1	Module A1: Professionalism and Professional Development in the Healthcare Environment (30 credits)		Module A2: Theoretical Foundations of Leadership (20 credits)		Module B1: Advanced History Taking (15 Credits)		Specialist Units (20) AU = B2 (10) / B4 (10) CS = B2 (20) RSI = B2 (20) VS = B2 (10) / B4 (10)						
							Specialist Units (30) NP = B2 (15) / B4 (15)						
Year 2	Module A3: Personal and Professional Development to Enhance Performance (30 credits)		Module A4: Leadership and Quality Improvement in the Clinical and Scientific Environment (20 credits)		Module A5: Research and Innovation in Health and Social Care (20 credits)		Module B5: Contemporary Issues in Healthcare Science (20 credits) [Physiological Science and Physical Science]		Specialist Units AU = B6 (15) CS = B6 (15) RSI = B4 (15) NP = B6 (15) VS = B6 (15)		Module B3: Therapeutics (10 credits)		
Year 3	Specialist Units AU = B8 (15) CS = B8 (15) RSI = B6 (15) NP = B8 (15)		Module B7: Teaching Learning and Assessment (20 credits)		Module C1: Doctoral Research and Innovation in Clinical Science (70 credits)								
	Specialist Units (20) VS = B8 (20)												
Year 4	Specialist Units: NP = 25				Module C2: Research Project (200 credits over Years 4 and 5)								
	Specialist Units: VS = B9 (30)												
	Specialist Units (35) AU = B9 (25) and B10 (10); CS = B9 (15) and B10 (20); RSI = B8 (15) and B9 (20)												
Year 5					Module C2: Research Project (200 credits over Years 4 and 5)								

Module Titles

Section A: Leadership and Professional Development (120 credits)

All Clinical Scientists in HSST will complete these generic units together at the Manchester Business School, University of Manchester. Those students who are not completing the full professional doctorate could exit, after completing these modules, with a Diploma in Leadership and Professionalism for Healthcare Sciences.

Module	Title	Year	Credit Rating
Module A1	Professionalism and Professional Development in the Healthcare Environment	1	30
Module A2	Theoretical Foundations of Leadership	1	20
Module A3	Personal and Professional Development to Enhance Performance	2	30
Module A4	Leadership and Quality Improvement in the Clinical and Scientific Environment	2	20
Module A5	Research and Innovation in Health and Social Care	2	20

Section B: Specialist Scientific Clinical Programme (150 credits)

These are specialist specific modules relevant to the specialism the Student is completing. Some of these modules will be available as stand-alone CPPD units.

Shared Modules

The following modules are shared across themes:

Module	Title	Year	Credits	Shared with
Module B1	Advanced History Taking, Clinical & Communication Skills	1	15	Physiological Sciences
Module B3	Therapeutics	2	10	Physiological Sciences
Module B5	Contemporary Issues in Healthcare Science (including Bioinformatics, Genomics and Personalised Medicine and Patient and Public Involvement)	2	20	Physical Sciences and Physiological Sciences
Module B7	Teaching Learning & Assessment	3	20	Physical Sciences and Physiological Sciences

Audiological Sciences (AU)

Module	Title	Year	Credits
Module B2	Audiology Practice (Adolescents & Children)	1	10
Module B4	Hearing Loss	1	10
Module B6	Clinical Presentation, Assessment & Management	2	15
Module B8	Expert Adult or Paediatric Audiological Scientific and Clinical Practice (1)	3	15
Module B9	Expert Adult or Paediatric Audiological (2)	4	25
Module B10	Leading Audiology Scientific Services	4	10

Cardiac Science (CS) *

Module	Title	Year	Credits
Module B2	Clinical Presentation and Management of Cardiac Disorders	1	20
Module B6	Diagnostics and Monitoring in Cardiology	2	15
Module B8	Specialist Option 1 (Adult or Paediatric)	3	15

Module	Title	Year	Credits
Module B9	Specialist Option 2 (Adult or Paediatric)	4	15
Module B10	Specialist Option 3 (Adult or Paediatric)	4	20

Neurophysiology (NP)*

Module	Title	Year	Credits
Module B2	Clinical Presentation and Management	1	15
Module B4	Imaging and Intraoperative Monitoring	1	15
Module B6	Clinical Neurophysiology Practice in Vision	2	15
Module B8	Specialist Option Modules: Complex EEG OR Complex EP	3	15
Module B9	Specialist Option Modules: Visual Electrophysiology Expert Practice OR Intraoperative Monitoring Expert Practice OR Complex EEG	4	25

Respiratory and Sleep Physiology (RSI)*

Module	Title	Year	Credits
Module B2	Clinical Presentation and Management of Respiratory and Sleep Disorders - 1	1	20
Module B4	Diagnostics and Monitoring in Respiratory and Sleep Physiology	2	15
Module B6	Clinical Presentation and Management of Respiratory and Sleep Disorders - 2	3	15
Module B8	Interventions in Respiratory and Sleep Physiology	4	15
Module B9	Specialist Option Modules (Adult or Paediatric)	4	20

Vascular Science (VS)*

Module	Title	Year	Credits
Module B2	Public Health Impact of Vascular Disease	1	10
Module B4	Clinical Presentation, Assessment and Management (1)	1	10
Module B6	Clinical Presentation, Assessment and Management (2)	2	15
Module B8	Expert Vascular Scientific and Clinical Practice (1)	3	20
Module B9	Expert Vascular Scientific and Clinical Practice (2)	4	30

*The credit values for Cardiac Science, Neurophysiology, Respiratory and Sleep Physiology and Vascular Science will be subject to approval in the 2016/17 academic year.

Section C: Research, Development and Innovation (270 credits)

The research project will be carried out at the Student's base hospital with academic supervision by an appropriate expert in the field. The aim of the project is to improve health and health outcomes and may include scientific, clinical, service transformation, innovation, leadership, policy, education or educational research. It is split into two units:

- **Module C1: Doctoral Research and Innovation in Clinical Science (70 credits):** the purpose of this module is to assess each trainee's ability to conceive an innovation in healthcare science and critically reflect on the relevant literature as well as any barriers to the implementation of the innovation (there is no requirement for primary research).
- **Module C2: Research Project (200 credits):** this is a substantial research project undertaken in years 4 and 5 which may be, but does not have to be, based on the innovation project planned in C1.