

# DClinSci: Physiological Sciences (MMU) Programme Overview

Year 1	<b>Module A1: Professionalism and Professional Development in the Healthcare Environment</b> (30 credits)		<b>Module A2: Theoretical Foundations of Leadership</b> (20 credits)		<b>Module B1: Advanced History Taking</b> (15 Credits)		<b>Specialist Units (20)</b> VS = B2 (10) and B4 (10) CS and RSI = B2 (20)					
							<b>Specialist Units (30)</b> NP = B2 (15) and B4 (15)					
Year 2	<b>Module A3: Personal and Professional Development to Enhance Performance</b> (30 credits)		<b>Module A4: Leadership and Quality Improvement in the Clinical and Scientific Environment</b> (20 credits)		<b>Module A5: Research and Innovation in Health and Social Care</b> (20 credits)		<b>Module B3: Therapeutics</b> (10 credits)		<b>Specialist Units (15)</b> RSI = B4 (15) CS, NP and VS = B6 (15)		<b>Module B5: Contemporary Issues in Healthcare Science</b> (20 credits) <b>[Physiological Sciences and Physical Sciences]</b>	
Year 3	<b>Specialist Units (15)</b> CS = B8 (15) RSI = B6 (15) NP = B8 (15)		<b>Module B7: Teaching Learning and Assessment</b> (20 credits)		<b>Section C: Research, Development and Innovation</b> (270 credits over Years 3-5)							
	<b>Specialist Units (20)</b> VS = B8 (20)											
Year 4	<b>Specialist Units (25)</b> NP = B9 (25)				<b>Section C: Research, Development and Innovation</b> (270 credits over Years 3-5)							
	<b>Specialist Units (30)</b> VS = B9 (30)											
	<b>Specialist Units (35)</b> CS = B9 (15) and B10 (20); RSI = B8 (15) and B9 (20)											
Year 5	<b>Section C: Research, Development and Innovation</b> (270 credits over Years 3-5)											

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## Module Titles

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Typically, trainees attend 1-2 days face-to-face teaching per 10 credit taught academic module for Sections A and B. This is usually full days (09:00 – 17:00) of face-to-face teaching at The University of Manchester/Manchester Metropolitan University.

With the current Covid-19 situation, face-to-face teaching is to be replaced with online learning until it is safe to resume teaching on campus.

### Section A: Leadership and Professional Development (120 credits)

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

Module	Title	Year	Semester	Credits
Module A1	Professionalism and Professional Development in the Healthcare Environment	1	1	30
Module A2	Theoretical Foundations of Leadership	1	2	20
Module A3	Personal and Professional Development to Enhance Performance	2	1	30
Module A4	Leadership and Quality Improvement in the Clinical and Scientific Environment	2	2	20
Module A5	Research and Innovation in Health and Social Care	2	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	Semester	Credits	Themes	Location
Module B1	Advanced History Taking, Clinical & Communication Skills	1	1	15	Physiological Sciences	UoM
Module B3	Therapeutics	2	1	10	Physiological Sciences	Distance learning (UoM lead)
Module B5	Contemporary Issues in Healthcare Science (including Bioinformatics, Genomics and Personalised Medicine and Patient and Public Involvement)	2	2	20	Physical Sciences and Physiological Sciences	UoM
Module B7	Teaching Learning & Assessment	3	2	20	Clinical Bioinformatics, Physical Sciences and Physiological Sciences	UoM

### Cardiac Science (CS) – Manchester Metropolitan University

Module	Title	Year	Semester	Credits
Module B2	Clinical Presentation and Management of Cardiac Disorders	1	1	20
Module B6	Diagnostics and Monitoring in Cardiology	2	1	15
Module B8	Specialist Option 1 (Adult or Paediatric)	3	Both	15
Module B9	Specialist Option 2 (Adult or Paediatric)	4	Both	15
Module B10	Specialist Option 3 (Adult or Paediatric)	4	Both	20

### Respiratory and Sleep Physiology (RSI) – Manchester Metropolitan University

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

### Neurophysiology (NP) – Manchester Metropolitan University

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

### Vascular Science (VS) – Manchester Metropolitan University

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

### 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.