MSc Clinical Science (Neurosensorry Sciences)

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Neurosensorv Science

Audiology (UoM)

Neurophysiology (MMU)

** Vision & Ophthalmic Science (Aston)**
Programme Structure (Audiology)

YEAR 1
Campus Learning:
7 weeks (Sept-Nov) +
2 days during Jan exam period

YEAR 2
Campus Learning:
1.5 weeks (Nov)
1 week (April)
2 weeks (July)

YEAR 3
Campus Learning:
1 day Research Day
Programme Structure
(Neurophysiology @ MMU)

YEAR 1
Campus Learning:
7 weeks (Sept-Nov)
+ 2 days during Jan exam period

YEAR 2
Campus Learning:
1 week (Nov)
1 week (March)

YEAR 3
Campus Learning:
2 weeks (Oct)
1 week (Jan)
Understanding Sensory Losses

- Patient perspectives
- Support services

Exploring Expectation

- Working at masters level
- Identifying group experiences, strengths and fears
YEAR 1 - Course Units

Professional Practice & Introduction to HCS (15 credits)
- MAHSE run - Predominantly taught during week 3 but also has on-line learning
- Communication, pharmacology, genetics, health psychology, imaging, leadership

Neurosensory Science (15 credits)
- Predominantly taught during first 7 weeks
- Anatomy & Physiology within Vision Science, Audiology & Neurophysiology

Clinical Applications of Neurosensory Science (30 credits)
- Predominantly taught during first 7 weeks, with some online work in semester II
- Assessment and pathologies common to Vision Science, Audiology & Neurophysiology
Professional Practice & Introduction to HCS (15 credits)
- 3 short essays focusing on professional practice and how skills/knowledge embedded into specialism
- Exam

Neurosensory Science (15 credits)
- Exam

Clinical Applications of Neurosensory Science (30 credits)
- Assignment 1- exploring evoked potentials in the three specialism
- Assignment 2- reverse case history where patient presents with a disorder that has neurological, vision and auditory symptoms
YEAR 1 - Feedback

7 week campus great for cohort bonding & support

Very intensive 7 weeks, even if you have a background in Audiology

Challenging content if don’t have recent science background - advised to complete guided reading prior to course commencing

Practical labs useful to consolidate learning in new topics

Stressful sorting out accommodation for job + university with little money initially

Start thinking about a research project topic sooner rather than later
YEAR 2- Audiology

**Adult Auditory Assessment & Management (15 credits)**

- Focuses on less routine auditory assessments- (speech tests, OAEs, TEN test, testing for NOHL, cortical evoked potentials) and management of HL/tinnitus (Auditory devices & rehabilitation)
- Assessment- Case based evaluative assessment

**Paediatric Audiology (15 credits)**

- Places children’s hearing as well as hearing loss in the wider developmental, psychosocial and medical context
- Assessment- Exam + Essay

**Vestibular Assessment & Management (15 credits)**

- Detailed look at anatomy & physiology of vestibular system, then focuses on assessment, disease and management of vestibular disorders.
- Assessment- Case based assignment
YEAR 2- Audiology

Research Methods (15 credits)
- MAHSE run- Focuses on importance of research, development and innovation across the NHS and in healthcare science
- Ethics, research design, statistics, innovation, grant applications & funding

Research Project I (15 credits)
- Literature review + Ethics proposal
- Assessment- formative feedback
Great to come back to campus and see everyone again.

Great to have the opportunity to work on academic knowledge without pressure of learning clinical skills.

Excellent to complete all academic units in one calendar year - leaves time to develop clinical skills.

Great to be able to talk/discuss topics/practice in a safe non-judgemental environment.

Don’t delay ethics application.

Great to have full on weeks, not much room for a breather.

Practical classes & tutorials with plenty of discussion make good way to consolidate knowledge.
Research Project II (45 credits)

- Completion of dissertation - data collection, analysis and writing of academic paper
Organisation particularly crucial- don’t delay data collection, and plan study days carefully. There will always be unavoidable delays, build this into your timetable.

Phew it is over!!!!!
Nerve Conduction Studies, Electromyography and Evoked Potentials (20 credits)

• Focuses on anatomy and physiology of the peripheral nervous system and ability to critically evaluate the main investigative methods

Research Project (30 credits)

• Places children’s hearing as well as hearing loss in the wider developmental, psychosocial and medical context
• Assessment- Exam + Essay

Research Methods (10 credits)

• Focuses on importance of research, development and innovation across the NHS and in healthcare science
YEAR 3 - Neurophysiology

Sleep & long term monitoring, Paediatric Electroencephalogram (EEG), & EEG on intensive care unit (30 credits)

- Provides knowledge, understanding and ability to critically evaluate sleep monitoring methods and EEG in different patient populations

Research Project (30 credits)

- Places children’s hearing as well as hearing loss in the wider developmental, psychosocial and medical context
- Assessment - Exam + Essay
Dedication

• Need to be sure this is what you want to do, you will put your life on hold for 3 years
• Need to be self motivated, resilient, independent

Rewarding

• Challenge academic programme, you earn your MSc
• Job itself is rewarding, and MSc allows you to qualify
• Strong friendships built

Challenging

• Difficult balancing academic work, clinical work, home life
• Difficult moving to new job, new university especially if miles apart
• Those new to the specialism's, steep learning curve with information overload initially
• Those with a background in the profession, challenges in thinking outside the box, not being constrained by tradition practice, grasping the academic rigours of M-Level as opposed to UG
Questions?