

# Programme Specification

## for BSc (Hons) Healthcare Science (Audiology)

|                                   |  |
|-----------------------------------|--|
| <b>1. Programme title</b>         | BSc (Hons) Healthcare Science (Audiology)  |
| <b>2. Awarding institution</b>    | Middlesex University   |
| <b>3. Teaching institution</b>    | Middlesex University   |
| <b>4. Programme accredited by</b> |  |
| <b>5. Final qualification</b>     | BSc (Hons) Healthcare Science (Audiology)<br>CertHE Healthcare Science<br>DipHE Healthcare Science |
| <b>6. Academic year</b>           | 2019/2020  |
| <b>7. Language of study</b>       | English  |
| <b>8. Mode of study</b>           | Full-time only   |

### 9. Criteria for admission to the programme

Candidates normally require Maths and English equivalent to at least GCSE grade C or an IELTS score of 7 with no element less than 6.5 as well as 112 A level tariff points or equivalent from one of the following awards.

- A-levels (including two A2s with at least one science subject, preferably in biology or chemistry at grade C or better)
- Or Two AVCEs or one double award in Science
- Or EDEXCEL National Diploma or Certificate in biology, chemistry, forensic science, laboratory and industrial science, or medical science
- Or Access course in applied science, clinical physiology, human or life sciences, medical or paramedical science, or science.
- Or high school equivalent, such as an International Baccalaureate

Applicants can make a claim for entry onto the programme with or without advance standing on the basis of either accreditation of prior certified learning or experiential learning. However, only students who have done an equivalent programme at another HEI can be admitted via the RPL process and evidence must be provided.

DBS and health clearances are also required, which must be achieved before the start of the placement. Students do not pay for the DBS and health checks. Students, who do not get either a DBS or health clearance, will be allowed to transfer to another degree, e.g. biomedical science.

## **10. Aims of the programme**

The programme aims:

- To help the student to develop the knowledge, skills, attitude and ethical values required to provide patient-centred care and work safely and effectively in the NHS as an Audiologist.
- To apply scientific principles and theories underpinning healthcare science to patient care.
- To equip the student to competently carry out diagnostic and therapeutic investigations relevant to the role of a Healthcare Science Practitioner in Audiology
- To apply scientific methods and approaches to research, development and innovation in healthcare science.
- To develop a range of transferable academic skills required for effective life-long learning, communication, teamworking and leadership.

| <b>11. Programme outcomes</b>   |  |
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| <p><b>A. Knowledge and understanding</b></p> <p>On completion of this programme the successful student will have knowledge and understanding of:</p> <ol style="list-style-type: none"> <li>1. Knowledge, skills and attitude required to work as a healthcare practitioner</li> <li>2. Normal and abnormal human physiology</li> <li>3. The principles of diagnosis and management of human disease</li> <li>4. The sciences underpinning quality healthcare</li> <li>5. The importance of scientific research in the advancement of healthcare practice</li> <li>6. The range of diagnostic and therapeutic investigations carried out by a Healthcare Science Practitioner</li> <li>7. The role of a Healthcare Science Practitioner in and skills required for service improvement</li> </ol> | <p><b>Teaching/learning methods</b></p> <p>Students gain knowledge and understanding through lectures, seminars, laboratory classes, peer presentations, debates, placements in clinical physiology departments, designing and undertaking a research project, role play and practical clinical sessions.</p> <p><b>Assessment Method</b></p> <p>Students' knowledge and understanding is assessed by summative and formative assessment, including peer presentations, laboratory reports, objective-structured practical examinations, online quizzes, and unseen theory examinations and assessment of clinical practice.</p> |
| <p><b>B. Skills</b></p> <p>On completion of this programme the successful student will be able to:</p> <ol style="list-style-type: none"> <li>1. Critically evaluate research evidence in the context of current theory and practice</li> <li>2. Solve clinical problems</li> <li>3. Appraise and synthesise evidence-based information to gain new insights into aspects of current practice</li> <li>4. Reflect on own learning and practice to develop personally and professionally</li> <li>5. Present information in the most effective format to communicate ideas clearly</li> <li>6. Design and carry out research project or clinical audit</li> <li>7. Perform a wide range of clinical procedures competently, and in</li> </ol>  | <p><b>Teaching/learning methods</b></p> <p>Students learn cognitive, practical and graduate skills through lectures, seminars, discussions, peer presentations, a research project and debates, placements, practical clinical sessions.</p> <p>Experiential learning also includes laboratory classes, clinical placements, and a research project.</p> <p>These skills are consolidated by reading, group work, problem-based learning exercises, structured and directed learning, analysis of case studies, and through reflection, placement and development of portfolio material</p>                                      |

|  |   |
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| <p>accordance with health and safety guidelines</p> <ol style="list-style-type: none"> <li>8. Work within scope of practice and professional codes of conduct</li> <li>9. Communicate their ideas effectively to patients, relatives, carers and colleagues using a variety of media</li> <li>10. Work both collaboratively and with an appreciation of skills required for leadership</li> <li>11. Demonstrate an autonomous and reflective approach to lifelong learning</li> <li>12. Formulate learning and career development plans</li> <li>13. Use a range of information technologies</li> <li>14. Demonstrate a high level of numeracy and problem-solving skills</li> </ol> | <p><b>Assessment Method</b></p> <p>Students' skills are assessed via formative and summative assessment by written work, examinations, online quizzes, case studies, assessment of clinical practice and peer presentation.</p> <p>Written work includes laboratory reports and research findings, with clinical skills also assessed by OSPEs and portfolios of clinical practice. Additionally, placement assessment requires case study presentation which incorporates data analysis, interpretation and reflective practice.</p> |
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**12. Programme structure (levels, modules, credits and progression requirements).**

**The professional practice modules incorporate the clinical placement learning and assessment:**

Year 1: BMS1004

includes **10 weeks** of placement starting in term 2

Year 2: BMS2015

includes **15 weeks** of placement starting at the end of term 2

Year 3: BMS3236

Includes **25 weeks** of placement.

**At each intake the cohort will have an appropriately dated placement planner.**

The planner highlights exactly which terms, teaching weeks and beyond that students will spend on placement, allowing time for holidays etc to be planned and booked.

The planner includes teaching blocks, placement, portfolio submission, Bank Holidays and the exam period. It also includes the university vacations (A/L) which will not apply to year 3 students – only Bank Holidays.

Students are asked NOT to plan any absences during the marked weeks on the Placement Planner so as not to miss any important events on the planner.

Allowances will be made for students with extenuating circumstances, but students must discuss placement planner problems with the Programme Leader as soon as possible.

**The Audiology modules are delivered at the UCL Ear Institute (marked below) by clinical specialists. The year 2 & 3 timetables will be created to avoid unnecessary travel - so that students will spend the whole day at either UCL or Hendon campus. If your accommodation is near Hendon Campus you may incur additional travel expenses for your journey to either UCL or your placement NHS Trust site.**

## 12.1 Overall structure of the programme

### Year 1

|  |  |   |  |   |   |
|--|--|---|--|---|---|
| BMS1004<br>Professional Practice<br><br><b>(10 Week Placement)</b><br><br>(15 Credits) | BMS1014<br>Biological Basis of Healthcare phys<br><br>(30 Credits) | BMS1024<br>Social Aspects of Healthcare<br><br>(15 Credits) | BMS1624<br>Clinical Technology & Mathematics<br><br>(15 Credits) | BMS1644<br>Physics and Measurements<br><br>(15 Credits) | BMS1904<br>Anatomy and Physiology of Nervous System<br><br>(30 Credits) |
|--|--|---|--|---|---|

### Year 2

|   |  |                                  |  |   |  |
|---|--|----------------------------------|--|---|--|
| BMS2015<br>Research Methods and Professional Practice<br><b>(15 Week Placement)</b><br><br>(30 Credits) | BMS2625<br>Medical Instrumentation and Imaging<br><br>(15 Credits) | BMS2945<br>Diagnostic Audiology* | BMS2965<br>Practical Diagnostic Audiology* | BMS2985<br>Introduction to Audiology Specialties* | <b>EXIT POINT:</b><br>Pass all year 1 modules –<br><b>CertHE in Healthcare Science</b> |
|---|--|----------------------------------|--|---|--|

### Year 3

|  |   |  |  |   |
|--|---|--|--|---|
| BMS3236<br>Professional Practice<br><b>(25 Week Placement)</b><br><br>(30 Credits) | BMS3336<br>Dissertation<br><br>(30 Credits) | BMS3946<br>Aural Rehabilitation and Amplification* | BMS3966<br>Practical Aural Rehabilitation* | <b>EXIT POINT:</b><br>Pass all year 1 & 2 modules –<br><b>DipHE in Healthcare Science</b> |
|--|---|--|--|---|

\* Audiology modules are delivered at the UCL Ear Institute, London.

| <b>12.2 Levels and modules</b>   |                                |  |
|--|--------------------------------|--|
| Level 4  |                                |  |
| COMPULSORY   | OPTIONAL                       | PROGRESSION REQUIREMENTS               |
| Students must take all the following:<br>BMS1004<br>BMS1014 (Biological)<br>BMS1024 (Social)<br>BMS1624 (Technology)<br>BMS1644<br>BMS1904 | There are no optional modules. | All module assessments must be passed. |
| Level 5  |                                |  |
| COMPULSORY   | OPTIONAL                       | PROGRESSION REQUIREMENTS               |
| Students must take all the following:<br>BMS2015<br>BMS2625<br>BMS2945<br>BMS2965<br>BMS2985   | There are no optional modules. | All module assessments must be passed. |
| Level 6  |                                |  |
| COMPULSORY   | OPTIONAL                       | PROGRESSION REQUIREMENTS               |
| Students must take all the following:<br>BMS3336<br>BMS3236<br>BMS3946<br>BMS3966  | There are no optional modules. | All module assessments must be passed. |

| <b>12.3 Non-compensatable modules (note statement in 12.2 regarding FHEQ levels)</b> |             |
|--|-------------|
| Module level   | Module code |
| 4-6  | <i>All</i>  |

### **13. A curriculum map relating learning outcomes to modules**

**See Curriculum Map attached.**

#### **14. Information about assessment regulations**

- The assessment regulations are the general university regulations.
- All modules of the programme and module assessment components must be passed either by assessment or pre-accreditation.
- A student, who is unable to complete the honours degree due to illness, will be eligible for aegrotat degree in healthcare science without a specialism in the title of the award; students will not have met the programme outcomes therefore will not be qualified to work as a healthcare science practitioner.

#### **15. Placement opportunities, requirements and support (if applicable)**

Placements are an integral part of the programme. Over the three years, students will spend a total 50 weeks in NHS clinical physiology departments in London or the South East: 10 weeks in year 1, 15 weeks in years 2 and 25 weeks in year 3.

Placements will be from Monday to Friday

Students are only placed in University approved learning environments. Placement Tutors in collaboration with placement providers will ensure that learning opportunities and support will be available in the placement area to help students meet the module learning outcomes and complete the Practitioner Training Programme (PTP) training manual.

Both parties will also ensure that a robust quality monitoring processes will be in place and establish clear lines of communication.

Prior to going on placement, students are required to get an enhanced DBS and Occupational Health clearance. Students, who do not get either an enhanced DBS or Occupational Health clearance, may have to transfer to another programme at the University. Because students are not able to claim travel and accommodation expenses, the clinical facilitator will try to place each student with an NHS trust that is near to the student's home or term address. Placement is unpaid unless the student is being sponsored by a Trust.

Students are notified in advanced of their placement allocation and contact details of placement staff. Students are also required to attend placement Monday to Friday day during normal working hours. Their duty rota may include Bank Holidays.

At the start of each placement, students will receive an induction and support and guidance will be provided for students with diverse needs.

Each placement area is assigned a Placement Tutor and given a copy of the placement handbook, which outlines for example lines of communication, contact details of key academic staff, attendance policy and complaints procedures. Practice learning is assessed using the training manual and written assignments.

In the final year, students have an opportunity to undertake a research project, which could include a clinical audit. Research projects carried out on placement will normally require local ethical approval.



**16. Future careers (if applicable)**

On completion of programme, graduates could apply for band 5 physiological science posts in the NHS. Suitably qualified graduates can study to become physiological scientists, working in the NHS at Band 7 or higher. They would need to get onto an NHS Scientist Training Programme (STP). For STP training places, a 2:1 in a relevant science degree is the minimum required.

On successful completion of the programme graduates are eligible to apply for admission to the HCPC register.

**17. Particular support for learning (if applicable)**

Specialist laboratory facilities available on site to learn and develop practical skills

Online support for all modules in the programme available on My Learning

Learning resource facilities at the University including computing suites and internet access

Access to English Language and Learning Support on campus

Dyslexic support

**18. JACS code (or other relevant coding system)**

Audiology 144B91J (B610)

**19. Relevant QAA subject benchmark group(s)**

N/A

**20. Reference points**

The following reference points were used in designing the Programme:

**Internal documentation:**

- i. Middlesex University (2014) *Learning Framework Document*
- ii. Middlesex University (2018/19) *Middlesex University Regulations*. MU
- iii. Middlesex University (2018/19) *Centre for Learning and Quality Enhancement Handbook*. MU

**External Documentation:**

1. Quality Assurance Agency (2008) *The QAA Framework for framework for higher education qualifications in England, Wales and Northern Ireland*. QAA
2. Quality Assurance Agency (2010) *Code of practice for the assurance of academic quality and standards in higher education - Section 9: Work-based and placement learning*. QAA

3. Health Education England (HEE) (2016 Modernising Scientific Careers, Practitioner Training Programme, BSc (Hons) Healthcare Science Curriculum: Neurosensory Sciences 2016/17
4. Department of Health (DH) (2013) *Modernising Scientific Careers Practitioner Training Programme. BSc (Hons) Healthcare Science, Work Based Training, Learning Guide. NEUROSENSORY SCIENCES 2013/14*

## 21. Other information

Course costs; (see page 20 for further details)

The following course-related costs are not included in the fees; the costs are approximate and may change due to changes in pricing at the retailer.

- Visits to NHS meetings (~ 4 one-day travel cards / year)
- Additional books that you wish to purchase
- Lab coats
- Travel costs to Middlesex campus
- Travel costs within London during placement:
- Placement location to be provided during the first term.
- Deposit for accommodation – refundable after your stay.

Please note programme specifications provide a concise summary of the main features of the programme and the learning outcomes that a typical student might reasonably be expected to achieve if s/he takes full advantage of the learning opportunities that are provided. More detailed information about the programme can be found in the student programme handbook and the University Regulations



| Module Title                               | Module Code by Level |     |     |     |     |     |     |     |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |
|--|----------------------|-----|-----|-----|-----|-----|-----|-----|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|
|  |                      | A 1 | A 2 | A 3 | A 4 | A 5 | A 6 | A 7 |  | B 1 | B 2 | B 3 | B 4 | B 5 | B 6 | B 7 | B 8 | B 9 | B 10 | B 11 | B 12 | B 13 | B 14 |
| Professional Practice                      | BMS1004              | x   |     |     | x   | x   | x   |     |  |     | x   | x   | x   | x   |     | x   | x   | x   | x    | x    | x    | x    | x    |
| Social Aspects of Healthcare Science       | BMS1024              |     | x   | x   |     |     |     |     |  | x   |     |     |     | x   |     |     |     |     |      |      |      |      |      |
| Biological Basis of Healthcare Science     | BMS1014              |     | x   |     | x   |     |     |     |  | x   |     |     |     |     |     |     |     |     |      |      |      | x    |      |
| Physics and Measurements                   | BMS1644              |     |     |     | x   |     |     |     |  |     |     | x   |     | x   |     |     |     |     |      |      |      |      |      |
| Clinical Technology & Clinical Mathematics | BMS1624              |     |     |     | x   |     |     |     |  |     |     |     |     |     |     |     |     |     |      |      |      | x    | x    |
| Anatomy and Physiology of Nervous System   | BMS1904              |     | x   | x   | x   |     | x   |     |  |     | x   |     | x   | x   |     |     |     |     |      |      |      |      | x    |
| Research Methods and Professional Practice | BMS2015              | x   |     |     | x   | x   |     |     |  | x   |     | x   |     | x   | x   | x   | x   | x   | x    | x    | x    | x    | x    |
| Medical Instrumentation and Imaging        | BMS2625              |     |     |     | x   |     |     |     |  |     |     | x   |     | x   |     |     |     |     |      |      |      |      |      |
| Diagnostic Audiology                       | BMS2945              | x   |     |     | x   | x   |     |     |  | x   |     | x   |     | x   | x   | x   | x   | x   | x    | x    | x    | x    | x    |
| Practical Diagnostic Audiology             | BMS2965              |     | x   | x   | x   |     | x   |     |  | x   | x   | x   |     | x   |     |     |     |     |      |      |      |      |      |
| Introduction to specialist Audiology       | BMS2985              | x   |     |     | x   | x   |     |     |  | x   |     | x   |     | x   | x   | x   | x   | x   | x    | x    | x    | x    | x    |
| Professional Practice                      | BMS3236              | x   |     | x   |     |     | x   | x   |  | x   | x   | x   | x   | x   |     | x   | x   | x   | x    | x    | x    |      |      |
| Dissertation                               | BMS3336              |     |     |     |     | x   | x   |     |  | x   | x   | x   | x   | x   | x   |     |     | x   | x    |      |      | x    | x    |
| Aural Rehabilitation and Amplification     | BMS3946              |     | x   | x   |     |     |     |     |  | x   |     | x   |     |     |     |     |     |     |      |      |      |      |      |
| Practical Aural Rehabilitation             | BMS3966              |     |     |     | x   | x   |     | x   |  |     | x   | x   | x   |     | x   |     | x   |     |      |      |      |      |      |