Health Sciences
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Why choose Health Sciences at Liverpool?

We draw on over 100 years of teaching delivered by dedicated staff with real-world, practical experience and are the hub for an extensive network of professionals, academics and researchers. So you can be confident that a degree from the School of Health Sciences will prepare you for a lifelong career making a difference in today’s multidisciplined, patient-focused healthcare services.

Strengthen your career prospects through our practical and professionally focused programmes
You will benefit from our experience in delivering over 100 years of teaching across six undergraduate programmes of study in a dynamic research-led School. Our student satisfaction rates, which range from 93-100%, are testament to the School being a great place to start to your career.

Learn from experienced, registered, working practitioners
You will be taught by staff with a great deal of practical experience and academic knowledge, who foster an approach of continual professional development that will serve you well throughout your career.

Interact with leading healthcare organisations
You’ll be taught a curriculum that is developed and assessed by leading healthcare providers, such as The Christie NHS Foundation Trust, Rosemere Cancer Centre, Royal Liverpool University Hospital, Liverpool Heart and Chest Hospital, Whiston Hospital, Aintree and Walton Centre for Neurology, Arrowe Park Hospital, Royal Preston Hospital, and the Clatterbridge Cancer Centre NHS Foundation Trust. Many such partners across the North West provide you with exciting placement opportunities.
**Bring your learning to life through clinical experience**

You will gain a breadth of patient-focused practical experience in a region that has a particularly diverse population, helping you bring your learning to life and providing an invaluable insight to future roles.

**Prepare for practice by studying with professionals from across the Health Sciences**

Supported by the very latest in technological facilities, you'll benefit from the shared learning the School's six undergraduate programmes facilitate. Inter-professional modules reflect the multi-profession, team approach that you will encounter in today’s healthcare settings.

**Build relationships with committed and enthusiastic teaching staff**

Our friendly, supportive staff will enable you to reach your full career potential, both as a graduate and a lifelong learner with the School.

**Study abroad**

Studying abroad has huge personal and academic benefits, as well as giving you a head start in the graduate job market. Occupational Therapy, Nursing and Physiotherapy students can currently apply to undertake clinical placements abroad. In Year Three Diagnostic Radiography and Radiotherapy students can apply to undertake a two week elective abroad (self-funded). For more information visit [www.liverpool.ac.uk/goabroad](http://www.liverpool.ac.uk/goabroad)

**How you learn**

Learning is promoted through a wide variety of activities that enable students to become autonomous and continuous learners. Interactive lectures, practical and clinical skills group work, simulation, directed study, role play, problem based learning, small group work, student-led seminars, collaborative project work and interactive tutorials are key learning strategies of the programmes. Practical work using our imaging suite digital equipment, 3D virtual reality radiotherapy facility, Clinical Skills Resource Room and the Human Anatomy Resource Centre complement teaching activities. Face-to-face interactions between all students will occur at shared lectures, tutorials and group work and online interaction will be encouraged and facilitated. There are also inter-professional education and learning opportunities across all healthcare professions programmes.

**How you are assessed**

Using a mixture of coursework and examination, a range of assessment methods can be seen across the programmes. These include seen and unseen written examinations, essay assignments with specific word lengths, multiple choice questions, case study presentations, video analysis and interactive practical examinations.

Assessment of the work-based learning element of all programmes is an important aspect. You will be required to communicate your views orally and in written form; analyse, implement and evaluate your practice; and to extend the research and evidence base of your chosen profession.

The various methods of assessments have been chosen to provide a balance that will permit the undergraduates to demonstrate their intellectual abilities in all areas to the full.
You will have gained a qualification that meets the Government’s criteria for ‘fitness for purpose’ and ‘fitness for practice’ as well as developing transferable skills such as communication, information technology, problem solving and teamwork.

Nursing
The Directorate of Nursing is currently 4th in the Complete University Guide 2016, and in the 2016 National Student Survey the Directorate of Nursing was awarded a rating of 97% for student satisfaction and 100% for graduate employment/further study. On completion of the degree, nursing graduates will be eligible for registration with the Nursing and Midwifery Council.

Orthoptics
Orthoptic graduates will be eligible to apply for statutory registration with the Health and Care Professions Council (HCPC) and look forward to a career as an orthoptist in an eye care team. The programme has an excellent record of graduate employment with most graduates working within the National Health Service. The degree is also internationally recognised and highly respected.

Physiotherapy
Physiotherapy graduates are eligible to apply for membership of The Chartered Society of Physiotherapy and the Health and Care Professions Council (HCPC). There are many employment opportunities for physiotherapists to work in a wide range of clinical settings, from paediatrics to older persons’ care. Many graduates choose to work in the NHS, but others may decide to find employment in industry, private practice, sport, research or teaching. Your UK qualification also provides an opportunity to work abroad in many countries.

Occupational Therapy
Occupational Therapy graduates are eligible to apply for membership of The College of Occupational Therapists (COT), the Health and Care Professions Council (HCPC), and the World Federation of Occupational Therapy (WFOT) to work outside the UK. Your qualification allows opportunities to build a career in the NHS and Social Services with a wide range of specialities from mental health and physical conditions across all ages. You may also choose to work in private practice, independent healthcare, charities or commercial companies.

Diagnostic Radiography
On successful completion of the programme graduates will be eligible to apply for registration with the Health and Care Professions Council (HCPC). This will allow you to practise as a diagnostic radiographer. You can look forward to an exciting and rewarding career at the centre of modern medicine within the NHS or the private sector. The programme has an excellent record of graduate employment and the degree is also internationally recognised and highly respected.

Radiotherapy
With an ageing population and improved cancer detection techniques, there is a high demand for suitably qualified healthcare professionals to support cancer patients. As a radiotherapy graduate you will be a respected health professional in one of the most rewarding and stimulating health professions and will be eligible to apply for statutory registration with the Health and Care Professions Council (HCPC) and become a member of the Society of Radiographers. This programme has an excellent record of graduate employment within the NHS and our graduates are well respected and valued in the UK and internationally.

Invest in your future

As a graduate of the School of Health Sciences you’ll be eligible to apply for registration with the Nursing and Midwifery Council (NMC) or the Health and Care Professions Council (HCPC). You can look forward to a career in the National Health Service, Social Services or the private sector.
Degrees

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<tr>
<th>Degree Description</th>
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<td>B821</td>
<td>3 years</td>
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<td>Nursing BN (Hons)</td>
<td>B700</td>
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<td>Physiotherapy BSc (Hons)</td>
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<td>Radiotherapy BSc (Hons)</td>
<td>B822</td>
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<td>- Radiotherapy (Year 0)</td>
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☀️ Foundation programmes have flexible entry requirements. Contact E: s.hollywood@liverpool.ac.uk for details.

See www.liverpool.ac.uk/study/undergraduate/courses for current entry requirements.

Diagnostic Radiography BSc (Hons)

UCAS code: B821
Programme length: 3 years

This is a vocational programme with a large amount of clinical practice throughout the three years. The aim of this programme is to equip you with the knowledge, skills and attributes you will need to meet the challenges of being a competent and caring diagnostic radiographer working at the centre of modern medicine. You will develop knowledge of human anatomy and the way the body works, both in health and disease.

As well as becoming a competent radiographer, you will learn about the physical, psychosocial and environmental factors that influence the patient radiographer interaction. The primary objective of the programme is to provide the necessary understanding, knowledge, attributes and skills required to undertake appropriate diagnostic imaging examinations in a variety of clinical circumstances.

Programme in detail

You will study a range of modules from areas including anatomy, physiology, pathology and radiation science, as well as profession-specific modules. For your clinical training, you will be based at one of our training departments throughout the region. Clinical placements are arranged beyond the normal University teaching time and extend into vacation time. There are clinical placements in each year of the programme, and these placements increase in length from Year One through to Year Three, resulting in 52 weeks clinical placement attendance.

During the programme you will have the opportunity to undertake a two-week elective in an imaging department of your choice.

Year One

The aim of Year One is to provide you with the basic knowledge and skills that will form the foundation for the study of the imaging procedures developed in the subsequent years of the programme. Year One, provides a foundation for radiographic examination of the appendicular skeleton, chest and abdomen. Students will be introduced to the information technology systems available in the University.
On completion of the first year, you will be able to:

- Demonstrate a knowledge and understanding of the basic structure and function of the human body
- Demonstrate a knowledge and understanding of the theory underlying basic radiographic skills
- Demonstrate a safe and effective level of competence in all basic radiographic skills
- Recognise the physical, psychosocial and environmental factors which influence the patient radiographer interaction
- Show the development of independent learning strategies.

**Year Two**
The aim of Year Two is to build and consolidate the learning experiences of Year One in order to provide a foundation for undertaking more complex examinations requiring specialist equipment. Professional practice will encourage students to become increasingly autonomous and to be able to focus and appreciate more complex and challenging issues related to healthcare. On completion of the second year, you will be able to:

- Demonstrate a knowledge and understanding of all related factors that contribute to patient imaging investigation and management problems identified in the study of clinical sciences
- Select and perform appropriate imaging examinations to assist in the diagnosis of the patient's condition
- Show the development of an independent, critical approach to problem solving in the clinical setting.

**Year Three**
The aim of Year Three is to expand your knowledge of the specialist clinical areas and to promote a level of independence and professional responsibility in preparation for graduation and registration with the Health and Care Profession Council (HCPC). As a qualified diagnostic radiographer you can become a member of the Society of Radiographers. During Year Three you will have the opportunity to undertake a two-week elective. On completion of this year, you will be able to:

- Discuss the overall management of patient investigations
- Recognise the role of other healthcare professionals in the management of the patient
- Demonstrate a critical approach to the contribution of diagnostic imaging to the management of the patient, and recognise the responsibility of the radiographer in actuating radiation protection measures and complying with the relevant legal requirement
- Evaluate and adapt imaging investigations to meet the needs of the patient
- Demonstrate an understanding of the policy and management issues involved in providing a diagnostic imaging service
- Demonstrate a professional approach and attitude to the practice of diagnostic imaging.

For more information on Diagnostic Radiography, contact Christine Bulut on E: SHS@liv.ac.uk or T: +44 (0)151 794 5901
Key modules
Year One
Core modules
- Anatomy, physiology and pathology: other systems
- Foundations of anatomy, physiology and pathology
- Foundation of radiographic practice and radiography of the chest abdomen
- Fundamentals of radiation science and protection
- Introduction to professionalism
- Introduction to research in health professional practice
- Radiography of the appendicular skeleton.

Year Two
Core modules
- Advancing radiographic practice
- Applied research methods for professional practice
- Complementary imaging systems
- Radiography of the axial skeleton
- The emerging professional.

Year Three
Core modules
- Advanced radiographic practice and image interpretation
- Imaging in care pathways
- Research study
- The competent professional.

See pages 16-24 for module descriptions.

Nursing BN (Hons)
UCAS code: B700
Programme length: 3 years

The overall aim of this programme is to equip you with all the knowledge, skills and attributes you will need to meet the challenges of being a nurse in the changing context of healthcare and to succeed in the modern National Health Service. This degree provides students with lifelong learning and working opportunities as well as a strong focus on nursing leadership. You will gain valuable theoretical knowledge alongside practical experience. The cohorts are small and this helps to ensure that our students receive the support they require to help them to get the best out of the programme.

Throughout the three years, you will gain extensive clinical experience in a variety of different settings, including hospital wards, clinics, community settings, critical care and palliative care. There is a global placement incorporated into Year Two to identify the public health needs of communities both in local and global settings.

Programme in detail
The Bachelor of Nursing degree concentrates on caring for individuals with diverse physical and mental health conditions; the degree also concentrates on the supportive role of the nurse with families of individuals being cared for.

The degree will prepare you to practice as a knowledgeable, caring and compassionate nurse, competent in professional and ethical practice, care delivery, care management and personal and professional development.

The taught modules will include physiology, pathophysiology, behavioural sciences, research, critical care, public health, communication and clinical skills, incorporating skills associated with curative, rehabilitative and palliative care. A flexible approach to practice learning will allow individual students to achieve outcomes in a variety of settings at different points throughout each level.

You are well supported in both academic and practice learning environments.

For up-to-date entry requirements and full module details see www.liverpool.ac.uk/study/undergraduate/courses
Year One focuses on concepts of health and wellness when caring for individuals across the lifespan, experiencing a spectrum of physical and mental healthcare needs as well as the healthcare needs of individuals and families.

During Year Two and Year Three you will continue to acquire knowledge and skills required in nursing practice across the life span, however, there will be a focus towards the field of adult nursing.

Throughout the three years, students gain extensive clinical experience in a variety of different settings, including hospital wards, clinics, community settings, critical care and palliative care. There is also the opportunity, in Year Two, to work abroad, which makes up the practice placement for one of the modules looking at public health. Each year incorporates the award of credit for practice learning.

**Year One**
In the first year of the programme you will learn about the art and practice of nursing. You will undertake two 12-week practice learning placements and nine theoretical modules in this year. Year One nursing students will engage in shared learning with other students from the School of Health Sciences. Shared-learning in the first year focuses on physiology, behavioural sciences and ethics.

**Year Two**
The learning opportunities in Year Two ensure that you develop understanding of nursing and healthcare as well as confidence and competence in nursing practice. You will study seven modules which will help you to gain a broader understanding of nursing and healthcare. The modules explore topics such as public health, complex care and research. The two practice placements in Year Two will help you to care for people in a range of care settings.

As part of the practice learning opportunity, you will spend four weeks exploring the cultural and social factors that impact on health and ill-health. You can elect to gain this experience within the UK, or overseas. Please note: you will have to meet all the financial costs, including travel and accommodation, when undertaking this part of the programme.

**Year Three**
You will study five modules in the final year of the programme. A combination of theoretical modules and practice learning opportunities will help you to become a nurse with the intellectual ability and proficiency to practice in the adult field of nursing. The topics you will explore include leadership, management, critical care and research. You will undertake two practice learning placements of 10-week and 12-week durations.

For more information on Nursing, see [www.liverpool.ac.uk/nursing](http://www.liverpool.ac.uk/nursing) or contact Christine Bulut on E: SHS@liv.ac.uk or T: +44 (0)151 794 5901

**Key modules**

**Year One**
- Introduction to clinical care I
- Introduction to clinical care II
- Introduction to nursing and healthcare
- Learning in Higher Education
- Physiology for health professionals I
- Physiology for health professionals II
- Practice learning module
- The practice of nursing I.

**Year Two**
- Complex care
- Developing research skills for evidence-based practice
- Enhancing clinical care I
- Enhancing clinical care II
- Practice learning module
- Public health
- The practice of nursing care II.

**Year Three**
- Consolidating clinical care
- Consolidating research skills for evidence-based practice
- Critical care
- Leadership and management
- Practice learning module.

See pages 16-24 for module descriptions.
Occupational Therapy BSc (Hons)
UCAS code: B920
Programme length: 3 years

The Occupational Therapy programme at Liverpool will equip you with a range of both academic and practical skills for a rewarding career that enhances the quality of life for a variety of people encountering physical, emotional and social difficulties.

You will be taught by respected academics with a breadth of clinical and research experience and will graduate with up-to-date knowledge. You will learn about the human body and use the impressive Human Anatomy Resource Centre. This knowledge will help you learn about disease and disability and how they impact on the ability to engage in everyday meaningful occupation.

Throughout the three years you will undertake clinical placements. We have extensive connections with a diverse range of clinical specialties in both physical and mental health, for all age groups from young children to the elderly in our student placements. There are also opportunities for you to study abroad.

Over 1,000 hours of clinical experience, together with the theoretical knowledge gained from the course, will enable the Liverpool graduate occupational therapist to competently analyse the psychosocial, physical and environmental factors in the lives of the people in their care and devise appropriate intervention to help them.

The programme has recognition from the World Federation of Occupational Therapy (WFOT) and the College of Occupational Therapists (COT), both of which are important for international job opportunities.

Programme in detail
During your three years you will engage in modules which are framed within four themes. These themes explore the person, occupation and environment relationship, which is a core underpinning philosophy for the practice of occupational therapy. They are:

- Core concepts and skills
- Professional identity
- Society and well-being
- Evidence for practice.

As a requirement for qualification you will experience a minimum of 1,000 hours practice placement education. Placements are integrated throughout the programme and are undertaken in a variety of health and social care settings.

It may be possible to undertake a placement overseas as an elective personal choice in Year Three or as part of international agreements with other universities. Studying abroad has huge personal and academic benefits, as well as giving you a head start in the graduate job market. For more information, visit www.liverpool.ac.uk/goabroad

Year One
The aims of Year One are to provide you with the opportunity to:

- Develop an understanding of the concept of ‘person’ as it relates to health and well-being
- Explore and experiment with the use of occupation as a therapeutic medium
- Demonstrate basic self-awareness and communication skills
- Demonstrate an understanding of normal biological and behavioural functioning that contributes to human lifespan
- Apply systematic problem solving approaches to rehabilitation
- Develop critical appraisal skills.
Year Two
The aims of Year Two are to provide you with the opportunity to:

- Demonstrate an understanding and evaluation of the philosophy and theory of occupation and occupational therapy
- Appreciate the importance and implications of a multicultural society
- Demonstrate an understanding of research methodology and the importance of evidence-based practice
- Apply core skills of occupational therapy
- Develop a community-based project in collaboration with a range of organisations working towards social change and well-being
- Demonstrate the ability to work both autonomously and collaboratively.

Year Three
The aims of Year Three are to provide you with the opportunity to:

- Consolidate an understanding of the relationship between person, occupation, environment and well-being (knowledge base)
- Demonstrate competent acquisition of the basic professional skills (skills base)
- Make explicit the acquisition of professional standards of practice (attitude base).

For more information on Occupational Therapy, see www.liverpool.ac.uk/occupational-therapy or contact Jess Aldrich on E: SHS@liv.ac.uk

Key modules
Year One
Core modules
- Concepts of inclusive practice
- Foundations of occupational performance
- Foundation sciences for occupational therapy
- Occupational therapy core skills I
- Professional practice in context.

Year Two
Core modules
- Critical appraisal for evidence-based practice
- Developing professional identity
- Educational programmes for health and well-being
- Occupational performance across the lifespan
- Occupational therapy core skills II
- Well-being through occupation.

Orthoptics BSc (Hons)
UCAS code: B520
Programme length: 3 years

The Orthoptics programme aims to develop your knowledge of how the vision system works, binocular vision involving how the eyes work together, and eye movement systems including the importance of assessing ocular motility. In addition, you will focus on the fundamentals of the nervous system, neuro-anatomy and physiology, and where it relates to the practice of orthoptics. This background knowledge will enable a graduate orthoptist to perform as a competent and reflective practitioner and be a valuable member of the eye care team.

The Orthoptic programme will equip a graduate with the skills to diagnose and manage conditions which may present in a range of patients from newborns to the elderly, eg strabismus (eye misalignments), amblyopia (sometimes called lazy eye), traumatic injuries, tumours, head injuries, diabetes and strokes.
Programme in detail
Throughout the three years, three themes provide the framework for student studies, in all cases linking theoretical knowledge to clinical conditions. These comprise:

- Orthoptic professional studies. This consists of modules delivering the necessary theory and clinical skills to develop a competent orthoptist, including the physiology of vision, eye movements and binocular vision. The clinical component is delivered in part at the University but also on clinical placements. These are an essential component of the programme and take part in NHS orthoptic departments across the whole of the UK.

- Extended professional studies. This theme reflects the changing role of the orthoptist, from being involved purely in strabismus (eye misalignment) to their involvement in other aspects of ophthalmology. This includes the underpinning anatomy and physiology, characteristics, investigation and management of conditions such as glaucoma, cataracts, macular degeneration, and diabetic retinopathy in both adults and children. In addition, the theory and practical application of physics in optometric practice are also included.

- Integrated professional studies. This theme encompasses the skills and attributes applicable to graduates and all health professionals, including research methods, communication skills, ethics and behavioural science.

In addition, key transferable skills are embedded into the curriculum in each year of the programme so that students are prepared to effectively manage their personal and professional development following graduation.

Year One
In Year One, a wide range of factual knowledge and basic clinical skills are developed. The whole of Semester One is spent in the University. This enables you to develop core knowledge and skills and, more specifically, the knowledge required to orthoptic practice in profession-specific modules to prepare them for the professional practice placement observation week occurring prior to the second semester. During the first year, you will learn about the basic principles of eye movement systems and binocular vision and be able to undertake essential orthoptic assessments.

Year Two
In Year Two, you will learn to apply the knowledge gained in your first year to a wide range of clinical scenarios. You will continue to develop their clinical skills at the University and on clinical placement. Throughout the second year, you will also learn essential principles for understanding and undertaking research, with the opportunity to undertake an orthoptic based clinical research project.

Year Three
In Year Three, you will focus on an evidence based practice approach to their clinical care. During this year you will undertake approximately 12 weeks of clinical placement, where you will prepare to become autonomous practitioners. On completion of this year, you will be able to:

- Select and use appropriate orthoptic assessment techniques within their own practice accurately
- Devise an orthoptic intervention for a range of patients, and in accordance with established orthoptic standards
- Demonstrate a capacity to advise, with a high level of autonomy and communication skills, individuals or their carers about management options which will be clinically effective
- Critically evaluate new concepts, arguments and evidence from a range of current theories and research from relevant disciplines and use these to analyse problems in orthoptic practice.

For more information on Orthoptics, see www.liverpool.ac.uk/orthoptics or contact Jess Aldrich on E: SHS@liv.ac.uk

Key modules
Year One
- Extended professional studies 1.10
- Extended professional studies 1.11
- Extended professional studies 1.2
- Integrated professional studies (communication and study skills for orthoptists)
- Orthoptic professional studies 1.1
- Orthoptic professional studies 1.2.
Year Two
- Extended professional studies 2.1
- Extended professional studies 2.2
- Integrated professional studies
- Integrated professional studies 2.1
- Orthoptic professional studies 2.1
- Orthoptic professional studies 2.2.

Year Three
- Clinical visual optics III
- Extended professional studies III
- Literature review
- Orthoptic clinical education
- Orthoptic professional studies III.

See pages 16-24 for module descriptions.

Physiotherapy BSc (Hons)
UCAS code: B160
Programme length: 3 years

This demanding, full-time programme teaches you how to diagnose and holistically treat a wide variety of clinical problems. The curriculum is designed to reflect current practice with research evidence underpinning all aspects of teaching.

A broad range of learning opportunities ensures that learning is accessible to students expressing different learning styles and preferences. Alongside academic and professional skills you’ll gain an excellent range of practical experience with our unique approach to practice placement provision. The programme at Liverpool will encourage you to become independent, resourceful and able to meet the exciting challenges of healthcare today.

Programme in detail

The programme adopts a modular approach to the delivery of content. It incorporates both university taught and practice-based components which have been designed together as an integrated whole.

In Year One of the programme you will develop the core skills and knowledge needed for physiotherapy practice in the key themes of musculoskeletal, cardio-respiratory and neuromuscular clinical science.

Year Two focuses more specifically on pathology and the practical application of evidence-based treatment techniques within each key speciality. In Year Three, you will have the opportunity to investigate the context of physiotherapy practice in more depth.

Clinical education is an integral part of the curriculum. The second half of the programme is arranged around blocks of clinical practice that enable you to reinforce and develop professional skills and knowledge in a variety of clinical settings. Our excellent network of local placements brings learning to life.

Key transferable skills are embedded into the curriculum at every level so that individuals are equipped to effectively manage their personal and professional development following graduation.

In the final year, the curriculum provides a variety of preparatory work for job applications assisting students in enhancing their employability.

It may be possible to undertake a Year Three placement overseas at our partner institution in the University of Nebrija, Madrid through the Erasmus programme. Studying abroad has huge personal and academic benefits, as well as giving you a head start in the graduate job market. For more information visit www.liverpool.ac.uk/goabroad
Year One
First year studies provide a foundation to profession specific practical skills and core knowledge.

Focus – Normal structure and function of tissues found within the human body
Content:
- Principle mechanisms underlying healing and repair
- Anatomy and physiology of the musculoskeletal, cardio-respiratory and neurological systems
- Basic handling and movement analysis skills
- Introduces the concept of evidence-based practice and the scientific principles of healthcare research
- Promotes the development of interpersonal skills, especially communication and teamwork
- Promotes the development of independent learning strategies.

Year Two
You will develop your skills and core knowledge through academic study and practice experience.

Focus – Pathology
Content:
- Patient assessment
- Patient treatment and management
- Promotes the development of an independent approach to clinical reasoning, problem solving and reflective practice in the practice setting.

Year Three
- Promotes greater responsibility for self-management, clinical reasoning and decision making in relation to patient management
- Promotes a critical awareness of current evidence-based practice in physiotherapy
- Enhances awareness of the scope and limits of physiotherapy practice
- Provides an opportunity for in-depth study of a specific area of physiotherapy practice through independent study.

For more information on Physiotherapy, see www.liverpool.ac.uk/physiotherapy or contact Jess Aldrich on E: SHS@liv.ac.uk

Key modules

Year One
Core modules:
- Behavioural sciences for health professionals
- Cardio-respiratory studies I
- Communication and study skills
- Foundations of anatomy I
- Foundations of anatomy II
- Neuromuscular studies I
- Physiotherapy core skills I
- Physiotherapy core skills II
- Research skills.

Year Two
Core modules:
- Cardio-respiratory studies II
- Musculoskeletal studies
- Neuromuscular studies II
- Practice placement I
- Research skills II
- Specialist physiotherapy practice.

Year Three
Core modules:
- Integrated physiotherapy studies
- Physiotherapy studies
- Practice placement II
- Practice placement III

See pages 16-24 for module descriptions.
Radiotherapy BSc (Hons)
UCAS code: B822
Programme length: 3 years

With an integrated approach enabling you to relate your academic work closely to your clinical experience, this programme aims to produce competent, caring therapeutic radiographers, who are able to work at the interface between the latest in medical technology and the cancer patient. The programme will provide the skills and knowledge to enable you to become a professional capable of delivering first class cancer care. You will learn about the nature and development of cancer, the role radiation plays in its management and gain the clinical skills necessary to care for your patients on a daily basis.

Programme in detail
You will study a range of modules both inter-professional for example communication skills, and profession-specific, such as radiation science and technology, and oncology modules.

Clinical practice is integrated with the academic programme. The clinical placements increase in length from Year One through to Year Three, resulting in a programme attendance of up to 45 weeks per year with some extension into vacation time. All placements are arranged in North West of England Cancer Centres and there is an opportunity to spend an elective period in a radiotherapy department of your choice.

Year One
Year One of the programme is concerned primarily with the acquisition of knowledge in the sciences, with some integration and application of this knowledge to practice. It provides a comprehensive introduction to the fundamental concepts and principles that underpin therapeutic radiotherapy and its role in the management of cancer.

Year Two
Year Two of the programme expands the previously acquired knowledge with an increasing emphasis on the understanding and application of scientific principles to practice. You are encouraged to develop the skills of interpretation and evaluation and to relate them to all areas of the programme.

Year Three
Year Three of the programme enables you to develop critical analysis of the impact of innovation and technological advances on practice. The greater part of this year is spent in the clinical environment allowing you to consolidate and develop skills enabling them to become clinically competent and safe to practise.

For more information on Radiotherapy see www.liverpool.ac.uk/medical-imaging-and-radiotherapy or contact Christine Bulut on E: SHS@liv.ac.uk or T: +44 (0)151 794 5901

Key modules
Year One
Core modules
- Foundations of anatomy and physiology
- Introduction to radiotherapy equipment
- The patient journey and oncology of the skin.

Year Two
Core modules
- Applied research methods for professional practice
- Fundamentals of radiation dosimetry and radiobiology
- Radiotherapy and the oncology of the abdomen, pelvis and breast
- Radiotherapy and oncology of the head, neck and thorax
- Radiotherapy equipment and treatment planning.

Year Three
Core modules
- Challenging issues in cancer care
- Research study
- Technology for advanced radiotherapy.
See pages 16-24 for module descriptions.
Foundation to Health and Veterinary Studies (Year 0)

UCAS codes:
- Diagnostic Radiography: 4ASC
- Nursing: Y4AS
- Occupational Therapy: 47OH
- Orthoptics: P0HG
- Physiotherapy: 4RAD
- Radiotherapy: 0W21

Programme length: 1 year

The University of Liverpool, in collaboration with local FE partners, has developed a Year Zero foundation programme for Home/EU students that leads to access onto a variety of vocational Health Studies programmes. Students seeking entry to Dentistry, Medicine, Nursing or the Allied Health Professions and Veterinary Science study at the Sixth Form College, Birkenhead or Carmel College, St Helens.

Please note: that application to this programme is through UCAS, which is specifically targeted at Home/EU mature and non-traditional students who typically have taken a break from studies.

Programme in detail

This is a modular programme and successful candidates have to complete 120 Level 0 credits.

In all modules at Year Zero, the study skills needed for independent study at undergraduate degree level are developed. You are also introduced to a variety of learning methods, for example, formal taught sessions, workshops, practical laboratory sessions and a variety of assessment tasks, for example, written assignments, in class data handling, written and practical examinations to provide a good grounding for vocational programmes.

Modules for the Allied Health Professions and Nursing pathway:
- Applied psychology for health studies (22.5 credits)
- Biology for health studies I and II (45 credits)
- Foundations of professional studies (15 credits)
- Health and social care for allied health professionals (22.5 credits)
- Maths for health studies I and II (15 credits).

The Applied psychology for health studies module (22.5 credits) provides opportunities to explore the development of cognitive language, social and emotional skills at different stages of the human lifespan. In addition, this module will look at theories of motivation and theories of stress to gain a better understanding of human behaviour.

Biology for health studies I and II (45 credits) provides the basic knowledge of the structure and function of the human body relating to cell structure and function: genetics; respiration; transport; regulation and control; action of drugs; immunity; the eye and the nervous system.

The Foundations of professional studies module (15 credits) provides students with the opportunity to develop their knowledge and understanding of the health and social care context of practice for healthcare professionals.

The Health and social care module for allied health professions module (22.5 credits) has been designed to look at health and well-being and will address the questions such as: What is health? What is illness? What factors affect health? How can health be promoted?

Maths for health studies I and II (15 credits) provides students on the Allied Health and Nursing route with basic knowledge of mathematical principles that underpin biology, IT and health studies, for example, graphs, statistics and indices.

For further information please contact Sean Hollywood on E: SAH11@liverpool.ac.uk or T: +44 (0)151 794 9490
Orthoptics is a fantastic career choice as it provides graduates with the opportunity to further their career by specialising in extended orthoptic roles. This could involve working in special needs schools, stroke wards or specialised clinics. We work within the multidisciplinary team alongside ophthalmologists, optometrists and ophthalmic nurses. Being an orthoptist is a very rewarding career which will provide you with great job satisfaction!

Kate Greenwood
Orthoptist at Warrington Hospital
## Core and selected optional modules overview

### Year One

<table>
<thead>
<tr>
<th>Module title</th>
<th>Semester</th>
<th>Credit</th>
<th>Module description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Anatomy, physiology and pathology: other systems</strong></td>
<td>2</td>
<td>15</td>
<td>Extends your knowledge of anatomy, physiology and pathology of the: digestive, central nervous (including ear, eyes and nose), endocrine and genitourinary systems.</td>
</tr>
<tr>
<td><strong>Behavioural sciences for health professionals</strong></td>
<td>2</td>
<td>7.5</td>
<td>Examines behavioural science perspectives on health and illness.</td>
</tr>
<tr>
<td><strong>Cardio-respiratory studies I</strong></td>
<td>1</td>
<td>15</td>
<td>Provides you with the basic knowledge of the anatomy and physiology of the normal respiratory and cardiovascular systems.</td>
</tr>
<tr>
<td><strong>Communication and study skills</strong></td>
<td>1</td>
<td>7.5</td>
<td>An insight into the importance of professional communication skills and how these impact on patient interactions.</td>
</tr>
<tr>
<td><strong>Concepts of inclusive practice</strong></td>
<td>1 and 2</td>
<td>22.5</td>
<td>Explores the concept of health and well-being and the implications for occupational therapy practice and the role of creativity and occupation within health and well-being.</td>
</tr>
<tr>
<td><strong>Extended professional studies 1.10</strong></td>
<td>1</td>
<td>7.5</td>
<td>Develops an understanding of physical and geometric optics including thick and thin optical lenses that are fundamental to orthoptic practice.</td>
</tr>
<tr>
<td><strong>Extended professional studies 1.11</strong></td>
<td>1</td>
<td>15</td>
<td>Introduces you to general human anatomy and physiology of the human body with the main emphasis on the ocular system (eg visual pathway and extraocular muscles). Includes childhood development from the embryonic stage to infancy including the principles of genetics and modes of inheritance.</td>
</tr>
<tr>
<td><strong>Extended professional studies 1.2</strong></td>
<td>2</td>
<td>15</td>
<td>Develop an understanding of the normal development and structure of the eye, with an introduction to a range of common ophthalmic problems, including the cause and the disease processes. You will learn about both paediatric and adult conditions and the process of detection and diagnosis.</td>
</tr>
<tr>
<td><strong>Foundations of anatomy I</strong></td>
<td>1</td>
<td>15</td>
<td>Provides you with the opportunity to develop anatomical knowledge of the normal structure and organisation of the lumbar spine and lower limb.</td>
</tr>
<tr>
<td><strong>Foundations of anatomy II</strong></td>
<td>2</td>
<td>15</td>
<td>Provides you with the opportunity to develop anatomical knowledge of the normal structure and organisation of the cervical and thoracic spine and the upper limb. Also gives you the opportunity to apply knowledge of functional anatomy in order to develop practical skills relevant to the cervical and thoracic spine and upper limb, and to consolidate, and further develop, handling skills.</td>
</tr>
<tr>
<td><strong>Foundations of anatomy and physiology</strong></td>
<td>1</td>
<td>15</td>
<td>Enables you to acquire the knowledge and skills base required for safe and effective radiotherapy practice.</td>
</tr>
<tr>
<td><strong>Foundations of anatomy, physiology and pathology</strong></td>
<td>1</td>
<td>22.5</td>
<td>Introduces the terminology and key terms used to describe the concepts structure and function of the body and how it works as a set of interdependent systems. Examining the microscopic and macroscopic anatomy, physiology and common pathologies associated with the musculoskeletal, respiratory and cardiovascular system.</td>
</tr>
<tr>
<td>Module title</td>
<td>Semester</td>
<td>Credit</td>
<td>Module description</td>
</tr>
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<td>-------------------------------------------------</td>
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</tr>
<tr>
<td>Foundations of occupational performance</td>
<td>Research session</td>
<td>15</td>
<td>Provides an understanding of occupation and occupational performance of an individual.</td>
</tr>
<tr>
<td>Foundations of radiographic practice and radiography of the chest abdomen</td>
<td>1 and 2</td>
<td>15</td>
<td>Introduces the basic radiographic and relevant medical terminology; develops the fundamentals of patient care and radiographic skills.</td>
</tr>
<tr>
<td>Foundation sciences for occupational therapy</td>
<td>1 and 2</td>
<td>30</td>
<td>Develops core knowledge of foundation sciences with the main focus on anatomy and neuroanatomy to underpin occupational therapy practice.</td>
</tr>
<tr>
<td>Fundamentals of radiation science and protection</td>
<td>1</td>
<td>15</td>
<td>Familiarises you with physical concepts, quantities and measurements needed to understand the nature, production and interaction of electromagnetic radiations, with emphasis on the use of X-rays in clinical practice; prepares for subsequent modules devoted to the technological equipment used in clinical practice.</td>
</tr>
<tr>
<td>Integrated professional studies (communication and study skills for orthoptists)</td>
<td>1</td>
<td>7.5</td>
<td>Develops an insight into professional communication skills.</td>
</tr>
<tr>
<td>Introduction to clinical care I</td>
<td>1</td>
<td>22.5</td>
<td>Introduces the knowledge and skills to promote and provide effective, safe, evidence-based care; to develop effective diagnostic and decision-making skills and to prepare autonomous, accountable, graduate nurses.</td>
</tr>
<tr>
<td>Introduction to clinical care II</td>
<td>2</td>
<td>7.5</td>
<td>Builds upon the foundational nursing skills introduced in Introduction to clinical care I and developed during the first practice placement.</td>
</tr>
<tr>
<td>Introduction to nursing and healthcare</td>
<td>1</td>
<td>15</td>
<td>Introduces the professional, legal, ethical and therapeutic dimensions of nursing; enables students to understand the care needs of service users through an engagement with the theoretical and professional basis of a nursing career enabling you to understand the therapeutic value of a nursing relationship.</td>
</tr>
<tr>
<td>Introduction to professionalism</td>
<td>1 and 2</td>
<td>15</td>
<td>Introduces the foundations of knowledge, skills and attitudes needed in professional life.</td>
</tr>
<tr>
<td>Introduction to radiotherapy equipment</td>
<td>1</td>
<td>15</td>
<td>Develops knowledge and understanding of the science of radiotherapy pre-treatment equipment; radiotherapy treatment equipment (inc kV units); introduction to treatment planning; equipment used for immobilisation; radiation protection in radiotherapy.</td>
</tr>
<tr>
<td>Introduction to research in health professional practice</td>
<td>1 and 2</td>
<td>15</td>
<td>Introduces you to the philosophy, principles and methods of health research; facilitates an understanding of the concept and context of evidence based practice in healthcare; develops skills in presentation, team-working and independent learning.</td>
</tr>
<tr>
<td>Learning in Higher Education</td>
<td>1 and 2</td>
<td>7.5</td>
<td>Enables you to recognise the defining characteristics of learning in higher education and to engage with challenges and opportunities of learning in higher education.</td>
</tr>
<tr>
<td>Neuromuscular studies I</td>
<td>2</td>
<td>15</td>
<td>To provide basic anatomical and physiological knowledge of the normal structure and function of the human nervous system.</td>
</tr>
<tr>
<td>Occupational therapy core skills I</td>
<td>1</td>
<td>15</td>
<td>Introduces occupational therapy core skills and the profession’s underpinning philosophy.</td>
</tr>
<tr>
<td>Orthoptic professional studies 1:1</td>
<td>1</td>
<td>30</td>
<td>Introduces the basic principles of orthoptics which relate to the basic clinical examinations performed on patients with orthoptic disorders; introduces professionalism, healthcare ethics, diversity and equality.</td>
</tr>
</tbody>
</table>

Please note: modules may not be available across all programmes, please check programme specific module lists on pages 04-14.
# Core and selected optional modules overview

## Year One (continued)

<table>
<thead>
<tr>
<th>Module title</th>
<th>Semester</th>
<th>Credit</th>
<th>Module description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Orthoptic professional studies 1.2</td>
<td>2</td>
<td>30</td>
<td>Provides you with both the theoretical and practical skills in order to fully investigate all types of concomitant strabismus and amblyopia. You will develop knowledge of professionalism and healthcare ethics that are relevant to clinical practice.</td>
</tr>
<tr>
<td>Physiology for health professionals I</td>
<td>1</td>
<td>7.5</td>
<td>Provides a knowledge and understanding of basic physiological systems such as respiration and circulation.</td>
</tr>
<tr>
<td>Physiology for health professionals II</td>
<td>2</td>
<td>7.5</td>
<td>Provides a knowledge of physiology appropriate to their professional requirements; caters for the backgrounds and expectations of the constituent professional student groups; fosters study skills and team-work skills to prepare you to be members of healthcare teams as well as generic skills of information gathering, problem solving and use of information technology.</td>
</tr>
<tr>
<td>Physiotherapy core skills I</td>
<td>1</td>
<td>15</td>
<td>Provides you with an understanding of the normal structure, function and healing of tissues.</td>
</tr>
<tr>
<td>Physiotherapy core skills II</td>
<td>2</td>
<td>15</td>
<td>Introduces principles of mobilising and strengthening exercises. Develops the assessment skills of analysis of movement and measuring outcomes and physiotherapeutic handling skills.</td>
</tr>
<tr>
<td>Practice learning module</td>
<td>1 and 2</td>
<td>30</td>
<td>Provides you with a range of practice placement learning opportunities across all fields of nursing (adult, child, learning disability and mental health); you will develop an understanding of the context of nursing practice across the different fields of nursing.</td>
</tr>
<tr>
<td>Professional practice in context</td>
<td>1 and 2</td>
<td>15</td>
<td>Introduces you to the professional practice environment of occupational therapy in order to integrate theory with practice and as a basis for ongoing academic study in line with The College of Occupational Therapists (COT) and the Health and Care Professions Council (HCPC) standards.</td>
</tr>
<tr>
<td>Radiography of the appendicular skeleton</td>
<td>1 and 2</td>
<td>22.5</td>
<td>Develops your working knowledge of basic radiographic practice and of relevant professional terminology; patient care and radiographic skills and ability to safely carry out X-ray examination of the hand and wrist, forearm, elbow and shoulder, foot, ankle, lower leg, knee of an ambulant patient.</td>
</tr>
<tr>
<td>Research skills</td>
<td>1 and 2</td>
<td>15</td>
<td>Introduces the general principles of the scientific process of healthcare research.</td>
</tr>
<tr>
<td>The patient journey and oncology of the skin</td>
<td>2</td>
<td>22.5</td>
<td>Provides knowledge of the cancer patient journey from cancer registration to treatment including the necessary record keeping required; provides knowledge of the skin and skin care and relates it to the treatment of patients having non-malignant and malignant skin conditions; introduces the student to radiobiology.</td>
</tr>
<tr>
<td>The practice of nursing I</td>
<td>2</td>
<td>15</td>
<td>Introduces the role of the nurse in meeting the needs of patients and clients across the lifespan in a range of healthcare settings; introduces the concept of assessing, planning, implementing and evaluating evidence based care interventions for unwell patients across the life-span; promotes partnership working with patients and carers.</td>
</tr>
</tbody>
</table>
## Core and selected optional modules overview

### Year Two

<table>
<thead>
<tr>
<th>Module title</th>
<th>Semester</th>
<th>Credit</th>
<th>Module description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advancing radiographic practice</td>
<td>1 and 2</td>
<td>30</td>
<td>Develops your radiographic skills and knowledge, gained in Year One, and apply them to more complex imaging examinations encountered in Year Two; develops skills of recognising radiographic anatomy and pathology.</td>
</tr>
<tr>
<td>Applied research methods for professional practice</td>
<td>2</td>
<td>7.5</td>
<td>Facilitates a critical understanding of how the philosophy, principles and methods of health research are applied in professional practice.</td>
</tr>
<tr>
<td>Cardio-respiratory studies II</td>
<td>1</td>
<td>22.5</td>
<td>Develops your core knowledge, practical skills, problem solving skills and critical thinking in relation to patients with cardiorespiratory problems.</td>
</tr>
<tr>
<td>Complementary imaging systems</td>
<td>1</td>
<td>30</td>
<td>Enables you to acquire the relevant knowledge and understanding of the physical principles, technology and quality assurance associated with the more advanced imaging systems.</td>
</tr>
<tr>
<td>Complex care</td>
<td>2</td>
<td>15</td>
<td>Introduces the concepts and principles of complex care delivery in long term and palliative care for all service users; explores the role and responsibility of the nurse in the management of long term and palliative care conditions, acknowledging the importance of fairness and equity.</td>
</tr>
<tr>
<td>Critical appraisal for evidence-based practice</td>
<td>1</td>
<td>15</td>
<td>Allows you the opportunity to further develop the knowledge, skills and professional attitudes gained at level 1 towards evidence based practice through the critique of published studies; applies skills in evaluating the quality of research studies through critical appraisal and discussion of contemporary research relevant to occupational therapy.</td>
</tr>
<tr>
<td>Developing professional identity</td>
<td>1 and 2</td>
<td>22.5</td>
<td>Explores the concept of personal and professional identity within occupational therapy in line with The College of Occupational Therapists and Health and Care Professions Council standards; develops a knowledge of personal and professional paradigms and the impact on occupations and therapeutic relationships; develops the knowledge, skills and attitudes congruent with level two expectations required for professional practice.</td>
</tr>
<tr>
<td>Developing research skills for evidence-based practice</td>
<td>1 and 2</td>
<td>15</td>
<td>Introduces the principles of healthcare research; the policy framework of evidence based practice; an understanding of the relationship between research and healthcare provision; the concept of critical appraisal.</td>
</tr>
<tr>
<td>Educational programmes for health and well-being</td>
<td>2</td>
<td>22.5</td>
<td>Applies knowledge of educational approaches to address occupation and health behaviour choices; applies skills gained to develop an evidence-based programme that informs health behaviour choices to address an individual’s health and occupational needs; develops the knowledge, skills and attitudes congruent with level two expectations required for professional practice.</td>
</tr>
<tr>
<td>Enhancing clinical care I</td>
<td>1</td>
<td>15</td>
<td>Builds on Year One.</td>
</tr>
<tr>
<td>Enhancing clinical care II</td>
<td>2</td>
<td>15</td>
<td>Builds on Year One.</td>
</tr>
</tbody>
</table>

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## Core and selected optional modules overview

**Year Two (continued)**

<table>
<thead>
<tr>
<th>Module title</th>
<th>Semester</th>
<th>Credit</th>
<th>Module description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Extended professional studies 2.1</td>
<td>1</td>
<td>15</td>
<td>You will build on their basic knowledge of the anatomy and physiology of the eye and surrounding structures. You will use this knowledge and apply it to the types of paediatric and adult ophthalmic disorders that an orthoptist may encounter.</td>
</tr>
<tr>
<td>Extended professional studies 2.2</td>
<td>2</td>
<td>15</td>
<td>Extend your basic knowledge to a more in depth understanding of the anatomy of the central nervous system including the brain, brainstem, cranial nerves and their pathways to allow you to relate this knowledge to neurogenic ocular conditions.</td>
</tr>
<tr>
<td>Fundamentals of radiation dosimetry and radiobiology</td>
<td>2</td>
<td>15</td>
<td>Relates the application of radiotherapy treatment planning, dosimetry and imaging dosimetry and to the relevant characteristics of ionising radiations and be able to justify the use of current clinical radiation detection devices. Expands on previous practical skills in computer planning and apply the principles of radiobiology and radiobiological modelling underpinning the biological evaluation of treatment outcomes.</td>
</tr>
<tr>
<td>Integrated professional studies</td>
<td>2</td>
<td>15</td>
<td>Builds on the knowledge gained in the first semester module in research methods by undertaking a research project. This project will enable you to develop their skills in experimental design and the acquisition, handling and interpretation of data. Develops your skills in critical appraisal within the context of the orthoptic related literature.</td>
</tr>
<tr>
<td>Integrated professional studies 2.1</td>
<td>1</td>
<td>15</td>
<td>Develops understanding of experimental design and statistics related to healthcare and medicine and skills in critical review of literature.</td>
</tr>
<tr>
<td>Musculoskeletal studies</td>
<td>1</td>
<td>30</td>
<td>Enables you to develop and enhance the basic knowledge acquired in Year One and apply this to the physiotherapy management of common musculoskeletal problems encountered in practice.</td>
</tr>
<tr>
<td>Neuromuscular studies II</td>
<td>1</td>
<td>22.5</td>
<td>Enables you to plan and deliver effective physiotherapy management of common neurological problems through the application of evidence based techniques.</td>
</tr>
<tr>
<td>Occupational performance across the lifespan</td>
<td>1</td>
<td>22.5</td>
<td>Integrates and applies knowledge of occupational theory and occupational performance through the occupational therapy process; develops and applies understanding of the occupational therapy process to maximise engagement in occupation across the lifespan.</td>
</tr>
<tr>
<td>Occupational therapy core skills II</td>
<td>1 and 2</td>
<td>22.5</td>
<td>Develops knowledge and understanding of two fundamental occupational therapy core skills (occupation based activity analysis and groupwork); develops the ability to plan occupational therapy interventions utilising the core skill of occupation based activity analysis and to explore and plan occupational therapy group processes and interventions.</td>
</tr>
</tbody>
</table>

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<tr>
<th>Module title</th>
<th>Semester</th>
<th>Credit</th>
<th>Module description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Orthoptic professional studies 2.1</td>
<td>1</td>
<td>30</td>
<td>Develops your knowledge and understanding of concomitant strabismus and amblyopia; introduces incomitant strabismus with emphasis on the aetiology, investigation and management of myogenic and mechanical strabismus.</td>
</tr>
<tr>
<td>Orthoptic professional studies 2.2</td>
<td>2</td>
<td>30</td>
<td>Extends your knowledge of concomitant strabismus with an emphasis on management of these conditions extends your knowledge of incomitant strabismus with an emphasis on the aetiology, investigation and management of neurogenic conditions which affect the visual and oculomotor systems.</td>
</tr>
<tr>
<td>Practice learning module</td>
<td>1 and 2</td>
<td>30</td>
<td>Expands upon the range of experiences within the practice learning environment across all fields of nursing (adult, child, learning disability and mental health); advances the knowledge and skills to enhance the student’s understanding of the context of nursing practice across the fields of nursing.</td>
</tr>
<tr>
<td>Practice placement I</td>
<td>2</td>
<td>22.5</td>
<td>Develops generic, transferable skills and profession specific skills in practice. You also gain an understanding of the context of physiotherapy practice.</td>
</tr>
<tr>
<td>Public health</td>
<td>1 and 2</td>
<td>15</td>
<td>Develops an understanding of the public health agenda within a UK, European and global context; gives an insight into relational social networks within the changing context of healthcare and social provision.</td>
</tr>
<tr>
<td>Radiography of the axial skeleton</td>
<td>1 and 2</td>
<td>30</td>
<td>Builds upon skills and knowledge gained in Year One and apply these to a range of more complex imaging examinations to include X-ray examination of the vertebral column, pelvis and hips, skull, face and teeth; further develops your knowledge and skills in identifying radiographic anatomy to include images produced using cross sectional imaging.</td>
</tr>
<tr>
<td>Radiotherapy and the oncology of the abdomen, pelvis and breast</td>
<td>1</td>
<td>30</td>
<td>Provides knowledge and understanding of the oncology, disease process, current management options and holistic care of patients with cancer of the abdomen, pelvis and breast.</td>
</tr>
<tr>
<td>Radiotherapy and oncology of the head, neck and thorax</td>
<td>2</td>
<td>30</td>
<td>Develops an understanding of essential gross, relational and functional anatomy, in relation to cancers of the head and neck and thorax; develops an appreciation of the management of people with cancers in the head and neck and thorax regions.</td>
</tr>
<tr>
<td>Radiotherapy equipment and treatment planning</td>
<td>1</td>
<td>15</td>
<td>Explains the detailed principles of operation and application of imaging and therapeutic radiotherapy equipment including the implications for health and safety through their use; applies planning techniques to optimise plans and be able to evaluate treatment prescription through computation of dose or machine monitor units.</td>
</tr>
<tr>
<td>Research skills II</td>
<td>2</td>
<td>7.5</td>
<td>Further develops knowledge of research methods and critical appraisal skills.</td>
</tr>
<tr>
<td>Specialist physiotherapy practice</td>
<td>2</td>
<td>15</td>
<td>Provides an overview of the common pathologies and holistic management of patients from a variety of specialist areas of physiotherapy.</td>
</tr>
<tr>
<td>The emerging professional</td>
<td>1 and 2</td>
<td>22.5</td>
<td>Facilitates the development of professional knowledge and skills and their application in professional life.</td>
</tr>
<tr>
<td>The practice of nursing care II</td>
<td>1</td>
<td>15</td>
<td>Builds on Year One.</td>
</tr>
<tr>
<td>Well-being through occupation</td>
<td>2</td>
<td>15</td>
<td>Studies the relationship between occupation and staying well through life transitions; reflects upon the personal impact upon health and well-being of participating in a non statutory community based activity.</td>
</tr>
</tbody>
</table>

Please note: modules may not be available across all programmes, please check programme specific module lists on pages 04-14.
# Core and selected optional modules overview

## Year Three

<table>
<thead>
<tr>
<th>Module title</th>
<th>Semester</th>
<th>Credit</th>
<th>Module description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advanced radiographic practice and image</td>
<td>1 and 2</td>
<td>30</td>
<td>Develops further the knowledge and skills required for the interpretation of visual information when viewing radiographic images; your ability to perform and assist in complex imaging procedures. Introduces the medico-legal framework surrounding advanced practice in imaging.</td>
</tr>
<tr>
<td>Challenging issues in cancer care</td>
<td>1 and 2</td>
<td>30</td>
<td>Explores palliative care and end of life issues, myeloproliferative disorders and malignancies in young adults and children; provides anatomical and oncological information related to tumours of the central nervous system.</td>
</tr>
<tr>
<td>Clinical visual optics III</td>
<td>1 and 2</td>
<td>15</td>
<td>Equips you to use refractive techniques in screening and the verification of spectacle prescriptions and impart sufficient knowledge of the refractive error to allow effective interdisciplinary communication; reiterates the importance of the role of the provision of spectacles in the management of orthoptic patients and to illustrate the importance of interdisciplinary team work in the management of orthoptic patients.</td>
</tr>
<tr>
<td>Consolidating clinical care</td>
<td>1</td>
<td>30</td>
<td>Builds on Year Two.</td>
</tr>
<tr>
<td>Consolidating research skills for evidence-based</td>
<td>1</td>
<td>30</td>
<td>You will produce an extended piece of academic writing focusing on a healthcare topic which is of interest to them.</td>
</tr>
<tr>
<td>practice</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Creativity and innovation</td>
<td>1</td>
<td>22.5</td>
<td>Develops an evidence based opinion on the role of creativity and innovation in occupational therapy practice; explores the impact of creativity and technologies on health and well-being.</td>
</tr>
<tr>
<td>Critical care</td>
<td>1</td>
<td>15</td>
<td>Develops a systematic understanding of the key aspects of critical care nursing using best available evidence and observing closely local and national guidelines; critically explores the diverse nature of critical illness to inform the practice of caring for the individual and their family in a critical care environment across a range of service users.</td>
</tr>
<tr>
<td>Environment and occupational performance</td>
<td>1 and 2</td>
<td>30</td>
<td>Develops skills in assessing an individual’s social, political, cultural, socio-economic and physical environment and critically evaluate the environmental impact on occupational performance; develops skills in modifying aspects of the environment to promote participation; demonstrate knowledge, skills and attitudes required for a competent professional practice level three.</td>
</tr>
<tr>
<td>Extended professional studies III</td>
<td>1 and 2</td>
<td>30</td>
<td>Develops your knowledge of ophthalmic conditions including pathology and appropriate investigations and management to provide insight into the extended role of the orthoptist; illustrates the importance of an inter-disciplinary approach and teamwork in the management of patients presenting to the Ophthalmologist, Orthoptist and other healthcare professionals.</td>
</tr>
</tbody>
</table>

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<table>
<thead>
<tr>
<th>Module title</th>
<th>Semester</th>
<th>Credit</th>
<th>Module description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Imaging in care pathways</td>
<td>1 and 2</td>
<td>30</td>
<td>Enhances your understanding of decision making processes and imaging protocols in the care of patients with complex needs, to include patients having cancer, cardiovascular disease, stroke, dementia; students may negotiate and undertake an elective placement to broaden their knowledge and understanding of healthcare of relevance to medical imaging; extends your knowledge of the clinical applications of computerised tomography (CT) ultrasound, nuclear medicine and magnetic resonance imaging (MRI).</td>
</tr>
<tr>
<td>Integrated physiotherapy studies</td>
<td>1 and 2</td>
<td>22.5</td>
<td>Provides you with the opportunity to explore the broader context of professional issues which influence individuals working within the practice setting.</td>
</tr>
<tr>
<td>Leadership and management</td>
<td>1 and 2</td>
<td>15</td>
<td>Develops a critical understanding of issues in professional governance and contemporary concepts in healthcare leadership and management.</td>
</tr>
<tr>
<td>Literature review</td>
<td>1 and 2</td>
<td>30</td>
<td>Develops the skills that are required in order to conduct and write a critical review of the literature, prior to conducting a piece of scientific research.</td>
</tr>
<tr>
<td>Orthoptic clinical education</td>
<td>1 and 2</td>
<td>30</td>
<td>You will develop the skills and knowledge to critically evaluate all clinical diagnostic tools in orthoptic practice and from this information formulate management plans; you will be exposed to the work of the other professions involved in the care of your patient in order for you to develop a multi-professional approach to healthcare.</td>
</tr>
<tr>
<td>Orthoptic professional studies III</td>
<td>1 and 2</td>
<td>30</td>
<td>Develops you as a reflective practitioner; facilitates the integration of all aspects of the support knowledge necessary to produce a management plan in concomitant and incomitant strabismus; provides a forum to facilitated discussion of relevant literature and research supporting orthoptic practice in concomitant and incomitant strabismus.</td>
</tr>
<tr>
<td>Physiotherapy studies</td>
<td>1 and 2</td>
<td>22.5</td>
<td>Provides you with opportunity to consolidate and further your knowledge of the evidence base underpinning physiotherapy practice.</td>
</tr>
<tr>
<td>Practice learning module</td>
<td>1 and 2</td>
<td>30</td>
<td>Builds knowledge in a range of practice learning environments which require decision-making and advanced clinical skills in complex and unpredictable contexts; consolidates the knowledge and skills required to practise as a registered nurse.</td>
</tr>
<tr>
<td>Practice placement II</td>
<td>1</td>
<td>30</td>
<td>Provides the opportunity for you to develop generic, transferable and profession specific skills in practice.</td>
</tr>
<tr>
<td>Practice placement III</td>
<td>2</td>
<td>15</td>
<td>Provides the opportunity for you to develop generic, transferable and profession specific skills in practice.</td>
</tr>
<tr>
<td>Research skills III – dissertation</td>
<td>1 and 2</td>
<td>30</td>
<td>Enables you to undertake an in-depth, independent piece of study in an area of physiotherapy practice.</td>
</tr>
<tr>
<td>Research study</td>
<td>1 and 2</td>
<td>30</td>
<td>Gives you an opportunity to study in greater depth an area related to medical imaging or radiotherapy; develops further your research skills of searching, evaluating and critiquing the scientific literature; develops further presentation skills in preparation for opportunities to participate in professional life.</td>
</tr>
<tr>
<td>Service commissioning and systematic review</td>
<td>2</td>
<td>22.5</td>
<td>This module enables students to demonstrate knowledge of service commissioning and critically evaluate the process of service commissioning within health and social care. It will also support students to articulate the potential and unique contribution of occupational therapy services. Students have the opportunity to explore gaps in service provision and develop a service proposal to meet the needs of a chosen population.</td>
</tr>
</tbody>
</table>

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Core and selected optional modules overview

**Year Three (continued)**

<table>
<thead>
<tr>
<th>Module title</th>
<th>Semester</th>
<th>Credit</th>
<th>Module description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Systematic review</td>
<td>1 and 2</td>
<td>22.5</td>
<td>Facilitates the knowledge and skills to undertake secondary research to support evidence based practice.</td>
</tr>
<tr>
<td>Technology for advanced radiotherapy</td>
<td>1 and 2</td>
<td>30</td>
<td>Develops advanced knowledge, understanding and appraisal skills for the science and technology of current and developing pre-treatment and on-treatment systems and processes; advanced treatment planning and parameter optimisation particularly for inverse planning; radiobiological principles of differential cell killing, tumour control probability (TCP) and normal tissue complication probability (NTCP); equipment and technique evaluation and commissioning; in vivo dosimetry.</td>
</tr>
<tr>
<td>The competent professional</td>
<td>1 and 2</td>
<td>30</td>
<td>Consolidates professional knowledge and skills in preparation for first post and lifelong learning.</td>
</tr>
<tr>
<td>Transition to newly qualified occupational therapist</td>
<td>1 and 2</td>
<td>30</td>
<td>Prepares you for practice as a newly qualified occupational therapist.</td>
</tr>
</tbody>
</table>

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Clinical placement within the radiography department is different every day, you never know what to expect or what challenges you will face which is great because it makes it much more interesting and rewarding. It is also a great opportunity to put the academic knowledge you have gained in lectures into practice and see how procedures can differ depending on the patient.

Aliyah Nicole Raishbrooke
Diagnostic Radiography BSc (Hons)
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Information provided is correct at time of going to press and is subject to change.