

Course Title	<p>MSc Medical Imaging (Ultrasound) (Part-time)</p> <p>PgDip Medical Imaging (Ultrasound) (Part-time)</p> <p>PgCert Medical Imaging (Ultrasound) (Part-time)</p> <p>MSc Medical Imaging (Ultrasound) Full time 'direct entry' pathway</p> <p>University Awards in:</p> <p>Breast Ultrasound</p> <p>Musculoskeletal Ultrasound</p> <p>First Trimester Ultrasound</p> <p>Third Trimester Ultrasound</p> <p>Certificates of Achievement 'Stand-alone single modules' in:</p> <p>Obstetric Ultrasound</p> <p>Gynaecological Ultrasound</p> <p>General Medical Ultrasound</p> <p>Vascular Ultrasound</p> <p>Musculoskeletal Ultrasound</p> <p>Negotiated Ultrasound Practice</p>
Course URL	<p>Full Programmes</p> <p>Part-time Pathways:</p> <p>https://www.cumbria.ac.uk/study/courses/postgraduate/medical-imaging-ultrasound-msc/</p> <p>https://www.cumbria.ac.uk/study/courses/postgraduate/medical-imaging-ultrasound-pgd/</p> <p>https://www.cumbria.ac.uk/study/courses/postgraduate/medical-imaging-ultrasound-pgc/</p> <p>Full-time Pathway</p> <p>https://www.cumbria.ac.uk/study/courses/postgraduate/medical-imaging-ultrasound-full-time-msc/</p>

	<p>University Award (short Courses)</p> <p>https://www.cumbria.ac.uk/study/courses/cpd-and-short-courses/breast-ultrasound-university-award/</p> <p>https://www.cumbria.ac.uk/study/courses/cpd-and-short-courses/musculo-skeletal-ultrasound/</p> <p>https://www.cumbria.ac.uk/study/courses/cpd-and-short-courses/first-trimester-ultrasound/</p> <p>https://www.cumbria.ac.uk/study/courses/cpd-and-short-courses/third-trimester-ultrasound/</p> <p>Certificates of Achievement (CoA) Single Modules</p> <p>https://www.cumbria.ac.uk/study/courses/cpd-and-short-courses/obstetric-ultrasound/</p> <p>https://www.cumbria.ac.uk/study/courses/cpd-and-short-courses/gynaecological-ultrasound/</p> <p>https://www.cumbria.ac.uk/study/courses/cpd-and-short-courses/general-medical-ultrasound/</p> <p>https://www.cumbria.ac.uk/study/courses/cpd-and-short-courses/vascular-ultrasound/</p> <p>https://www.cumbria.ac.uk/study/courses/cpd-and-short-courses/musculo-skeletal-ultrasound/</p> <p>https://www.cumbria.ac.uk/study/courses/cpd-and-short-courses/breast-ultrasound/</p> <p>https://www.cumbria.ac.uk/study/courses/cpd-and-short-courses/negotiated-ultrasound/</p>
Course Fees	https://www.cumbria.ac.uk/media/university-of-cumbria-website/content-assets/public/finance/documents/studentfinance/fees/2019-20-PGT-fees.pdf
Additional Costs	
<p>All students need to be aware that they will incur additional costs whilst on programme. The list below will provide you with an overview of potential additional costs you are likely to incur.</p>	
Books and Journals	

Reading lists are reviewed annually and are therefore subject to change, course welcome information will provide you with an indicative reading list for the year via the student hub (One List).

The university holds copies of core texts (including some as ebooks, which are accessible online). Some students may wish to spend approximately £100-£200 on purchasing their own copies of certain text books and scripts although this cost can be reduced considerably by sourcing second hand copies of these resources.

Below are some of the 'set texts' which you may wish to purchase depending on your module choices:

Physical Principles & Technology in Ultrasound:

Hoskins, P., Martin, K. and Thrush, A. (2010) *Diagnostic Ultrasound: Physics and Equipment*. (2nd edn.) Cambridge: Cambridge University Press.

Gibbs, V., Cole, D. and Sassano, A. (2009) *Ultrasound Physics and Technology: How, Why and When*. (2nd edn.) London: Churchill Livingstone.

Professional, Legal & Ethical Issues in Ultrasound

Herring J. (2014) *Medical Law and Ethics*. Oxford University Press

Widdowson M. (2010) *Transactional Analysis (100 key points and techniques)* Routledge

Obstetric Ultrasound

Chudleigh, T. Smith, A. Cumming, S. (2017) *Obstetric and Gynaecological Ultrasound; How, why & when*. (4th Ed). Elsevier.

Gynaecological Ultrasound

Chudleigh, T. Smith, A. Cumming, S. (2017) *Obstetric and Gynaecological Ultrasound; How, why & when*. (4th Ed). Elsevier.

General Medical Ultrasound

Bates, J. (2010) *Abdominal Ultrasound: How, Why And When?*(3rd edn.) London: Harcourt.

Vascular Ultrasound

Oates, C. (2008) *Cardiovascular Haemodynamics and Doppler Waveforms Explained*. Greenwich Medical Media.

Thrush, A & Hartshorne, T. (2009) *Peripheral Vascular Ultrasound*. 3rd Ed. London: Churchill Livingstone.

Musculoskeletal Ultrasound

Jacobsen, JA (2013), *Fundamentals of Musculoskeletal Ultrasound*. (2nd Ed). London Elsevier.

Breast Ultrasound

Dixon, A-M (2007) *Breast Ultrasound: How, When and Why*. Churchill Livingstone

IT equipment/Stationery

Stationery for your own personal use (pens, papers and folders, etc.).

Whilst you will choose how much you need, expect to pay around £30 - £40 per year for these.

The bulk of your work will be saved and written electronically, although there are IT facilities available for students to use on the university campuses (some 24hrs), most students do have their own laptop or PC, which they have purchased at their own cost.

You may use your allocated space on the university 'cloud' for electronically saved work or have an alternative means of personal remote safe storage including an external hard drive or some form of memory stick etc.

There will be some printing costs as required by yourself for lecture notes or paper copies of handout materials and clinical assessment paperwork etc but the majority of coursework items are now submitted electronically.

Clothing and Equipment

Part-time students are usually employees of their sponsoring placement site and consequently must be provided with an appropriate uniform by their employer in line with local policy (the university do not provide uniforms for part-time students).

Full time students are required to wear a uniform whilst on clinical placement which is part provided by the university. This includes tunics and plain black trousers. Any additional or replacement items are funded by the student dependant on the reasons for replacement. (see PU Uniform Policy).

Footwear is not included and must be purchased by the student. Sensible, plain black, comfortable and supportive flat footwear is suggested but you will be further advised on this subject by uniform policy from the Trust you are allocated to. Students should budget approximately £20-£40 for footwear but be realistic about replacing this over the 3 years. You may also wish to purchase different footwear to use in the hospital theatre environment (if required).

Travel

Part-time ultrasound students are usually employed by their sponsoring placement and will therefore incur travel costs both to and from the university campus, and (if required) accommodation costs during academic blocks and required campus attendances such as written examinations and assessments. It is up to individual students to negotiate with their sponsor/employer as to whether any travel costs can be reimbursed locally by their sponsor/employer (and this only applies to part-time students).

Remote placement sites (part-time students only) may need to pay for the travel and accommodation costs for a member of the programme team to attend a placement visit and/or a clinical assessment moderation visit, particularly for repeat visits (this will usually be discussed on application).

Full-time 'direct entry' students will be expected to incur all travel and any potential accommodation costs which are required to attend allocated placement sites and university academic blocks, as well as any required university campus attendance such as examinations and assessments.

Any costs associated with elective placement activity is incurred by the student.