



# PgCert

## Mechanics of the Diabetic Foot

Faculty of Health Sciences

### Key Facts

**Duration:**  
12 months

**Course begins:**  
September

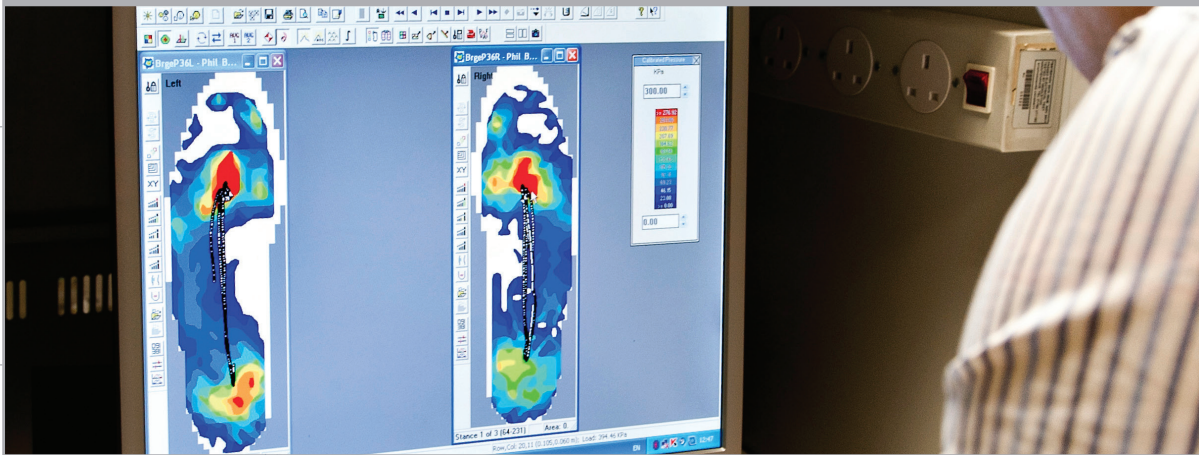
**Location:**  
Biomechanics Facility  
Science Centre  
Leek Road  
Stoke Campus

**Course fee:**  
For further information about  
our fees please visit  
[www.staffs.ac.uk/feesandfunding](http://www.staffs.ac.uk/feesandfunding)

**Entry requirements:**  
You are normally expected to be a HCPC registered Allied Health Professional. You can also be an associate of a Medical or an Allied Health Professional (such as a Chiropractor, Sports Therapist or a Biomechanist) who is involved in the clinical management of Musculoskeletal conditions.

### Is this award for you?

Complications of the diabetic foot often lead to life changing obstacles resulting in devastating results. Foot function and gait in diabetes is often overlooked and this module will focus on the role that mechanics has in the successful clinical management of diabetic foot complications.



### About this award

This module will focus on how diabetes affects biomechanics of the lower limb specifically the foot. While looking at the complications associated with the disease process, this course will focus on the impact of diabetes has on musculoskeletal problems and dysfunction as well as tissue viability. During this award, you will be able to investigate the modalities of footwear, orthoses and padding in the management of the diabetic foot and the effect these have on normal foot mechanics. You will also have the opportunity to investigate how diabetic complications influence locomotion which will be tested with in the Biomechanics and Gait Analysis Laboratory. In addition to studying detailed mechanics of the diabetic foot, you will also complete modules in critical appraisal skills and tissue stress. This will allow you to expand your evaluation of current research publications and investigate the mechanical principles around joint loading, musculoskeletal stress patterns and tendon strain in complex diabetic foot complaints.

### Key features

- Weekend study to mould around the working week.
- Multidisciplinary groups allowing for a shared knowledge base.
- Access to a substantially equipped Biomechanics Laboratory.
- Learning supported by a wide range of e-journals and e-books.
- Module content strongly supported by current research and clinical practice.

### Critical Appraisal skills and Research Awareness

In depth critical review of current research practice allows for a thought provoking style of learning and enquiry. This module allows for current skills to be enhanced and built upon.

### Tissue Stress

You will assess the differing characteristics of human tissue and how they cope with mechanical stress.

### Mechanics of the Diabetic foot

The impact foot mechanics has on diabetic complications will be investigated with specific attention to assessment and management.



**For further information, contact  
our Enquiries Team on:**

Tel: +44 (0) 1782 294400

Email: [enquiries@staffs.ac.uk](mailto:enquiries@staffs.ac.uk)

Opening times:

8.45am - 5.00pm Monday - Thursday

8.45am - 4.30pm Friday

The information in this guide is correct at time of publication, but may be subject to change. For the latest information, visit our website or call us on 01782 294400.

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