

FACULTY OF ENGINEERING

DEPARTMENT OF BIOMEDICAL ENGINEERING

PROSTHETICS AND ORTHOTICS

Bachelor of Science with Honours in Prosthetics and Orthotics

Bachelor of Engineering in Engineering Studies

Diploma of Higher Education in Engineering Studies

Certificate of Higher Education in Engineering Studies

These regulations are to be read in conjunction with [General Academic Regulations – Undergraduate, Integrated Master and Professional Graduate Degree Programme Level.](#)

Status of the Programme

1. The programme is offered at Honours level only.

Mode of Study

2. The programme is available by full-time study only.

Place of Study

3. The Clinical Placement in both Prosthetics and Orthotics will be conducted in approved hospital-based prosthetic and orthotic centres and will comprise an approved programme of clinical experience. Students must apply for membership of the PVG (Protecting Vulnerable Groups) Scheme managed by Disclosure Scotland; or if already a member must apply for an update.

Curriculum

4. **First Year** - All students shall undertake modules amounting to 120 credits as follows:

Compulsory Modules

Module Code	Module Title	Level	Credits
94154	Principles of Prosthetic and Orthotic Design 1	1	20
BE107	Introduction to Health Services Research	1	20
94157	Human Biological Sciences 1	1	20
BE104	Foundations for Interprofessional Practice	1	20
94161	Prosthetic and Orthotic Professional And Technical Skills	1	20
94204	Prosthetics and Orthotics Science 1	2	20

5. **Second Year** - All students shall undertake modules amounting to 120 credits as follows:

Compulsory Modules

Module Code	Module Title	Level	Credits
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94205	Professional Skills for Healthcare 2	2	10
94206	Human Biological Sciences 2	2	20
94207	Principles of Prosthetic and Orthotic Design 2	2	20
94208	Prosthetics and Orthotics Science 2	2	60
	Elective Module		10

6. **Third Year** - All students shall undertake modules amounting to 120 credits as follows:

Compulsory Modules

Module Code	Module Title	Level	Credits
BE307	Applied Health Service Research	3	10
94304	Principles of Prosthetic & Orthotic Design 3	3	10
BE308	Prosthetic & Orthotic Science 3	3	40

Optional Modules

60 credits to be taken from Lists A & B

List A

No fewer than 40 credits to be taken from List A.

Students meeting the pre-requisites for 94403 are required to choose this module.

Module Code	Module Title	Level	Credits
94403	Prosthetics/Orthotics Clinical Placement 1	4	60
94405	Project	4	40

List B

No more than 20 credits to be taken from List B.

Module Code	Module Title	Level	Credits
BE407	Orthotic Management of Neurological Conditions	4	20
BE408	Hip, Knee & Ankle Disarticulation Prosthetics	4	20
BE409	Management of the Diabetic Foot	4	20
BE410	Lower Limb Prosthetic Design	4	20
BE411	Upper Limb Prosthetics	4	20

BE412	Clinical Governance	4	20
BE413	Orthotic Management of Spinal Deformity	4	20
BE414	Paediatric Prosthetics & Rehabilitation	4	20
BE415	Clinical Gait Analysis	4	20
BE432	The Assessment, Diagnosis and Holistic Management of Foot and Ankle Musculoskeletal (MSK) Conditions	4	20

7. **Fourth Year** - All students shall undertake modules amounting 120 credits as follows:

Compulsory Modules

Module Code	Module Title	Level	Credits
94404	Prosthetics/Orthotics Clinical Placement 2	4	60

Optional Modules

60 credits to be taken from Lists A & B.

List A

No fewer than 40 credits to be taken from List A

Module Code	Module Title	Level	Credits
94403*	Prosthetics/Orthotics Clinical Placement 1	4	60
94405	Project	4	40

*If students have taken and passed 94403 in third year, it cannot be taken again in fourth year.

List B

No more than 20 credits to be taken from List B

Module Code	Module Title	Level	Credits
BE407	Orthotic Management of Neurological Conditions	4	20
BE408	Hip, Knee & Ankle Disarticulation Prosthetics	4	20
BE409	Management of the Diabetic Foot	4	20
BE410	Lower Limb Prosthetic Design	4	20
BE411	Upper Limb Prosthetics	4	20
BE412	Clinical Governance	4	20

BE413	Orthotic Management of Spinal Deformity	4	20
BE414	Paediatric Prosthetics & Rehabilitation	4	20
BE415	Clinical Gait Analysis	4	20
BE432	The Assessment, Diagnosis and Holistic Management of Foot and Ankle Musculoskeletal (MSK) Conditions	4	20

Progress

8. In order to progress to the second year of the programme, see [General Academic Regulations – Undergraduate, Integrated Master and Professional Graduate Degree Programme Level.](#)
9. In order to progress to the third year of the programme, see [General Academic Regulations – Undergraduate, Integrated Master and Professional Graduate Degree Programme Level.](#)
10. In order to progress to the fourth year of the programme, see [General Academic Regulations – Undergraduate, Integrated Master and Professional Graduate Degree Programme Level.](#)

Final Honours Classification

11. The final Honours classification will normally be based on the first assessed attempt at compulsory modules and specified optional modules in the second, third and fourth years.

Award

12. **BSc with Honours:** In order to qualify for the award of the degree of BSc with Honours in Prosthetics and Orthotics, see [General Academic Regulations – Undergraduate, Integrated Master and Professional Graduate Degree Programme Level.](#) and not withstanding these regulations, must include 160 credits at Level 4.
13. **BEng** In order to qualify for the award of the degree of BEng in Engineering Studies, see [General Academic Regulations – Undergraduate, Integrated Master and Professional Graduate Degree Programme Level.](#)
14. **Diploma of Higher Education:** In order to qualify for the award of the degree of Diploma of Higher Education in Engineering Studies, see [General Academic Regulations – Undergraduate, Integrated Master and Professional Graduate Degree Programme Level.](#)
15. **Certificate of Higher Education:** In order to qualify for the award of the degree of Certificate of Higher Education in Engineering Studies, see [General Academic Regulations – Undergraduate, Integrated Master and Professional Graduate Degree Programme Level.](#)