

# School of Horticulture

BSc (Hons) Horticulture  
 BSc (Hons) Horticulture (Award Options)  
 FdSc Horticulture  
 FdSc Horticulture (Award Options)  
 BSc (Hons) Green Space Management  
 BSc (Hons) Green Space Management (Award Options)  
 FdSc Green Space Management  
 BSc (Hons) Social and Therapeutic Horticulture  
 FdSc Social and Therapeutic Horticulture  
 Certificate in Professional Gardening  
 Certificate of Continuing Education Horticulture  
 Higher Certificate in Horticulture  
 FdA Professional Floristry  
 Professional Floristry Top Up Year BA (Hons)

## FACTFILE:

### Typical Offer Honours degree:

UCAS Tariff Points	140
BTEC National Diploma	MPP
OCR National Extended	P2
Diploma (18 Units)	
Irish Leaving Certificate	CCCC
Scottish Highers	190 - 240 points
International Baccalaureate	24 points

### Typical Offer Foundation degree:

UCAS Tariff Points	60
BTEC National Diploma	PPP
OCR National Extended	P3
Diploma (18 Units)	
Irish Leaving Certificate	CC
Scottish Highers	90 - 120 points
International Baccalaureate	24 points

**Writtle College currently offers one of the largest horticulture degree programmes in the UK. Undergraduates are able to undertake specialisms in a wide range of horticultural disciplines.**

Horticulture courses allow students to combine the theoretical principles underlying plant cultivation, with the practical and vocational skills associated with the horticultural industry.

Horticulture is a major employment sector which plays a significant role in maintaining and improving the quality of life in town and country. Students are attracted to this industry by the diversity and wealth of career opportunities and the satisfaction of working in a green environment. Our world class heritage of parks and gardens is visited by millions of tourists each year. Gardens and landscapes are created by innovative designers and constructed and maintained by skilled craftsmen. Theme parks, shopping malls, residential complexes and business parks are all planned with landscapes. Landscaping is not just about working outdoors; interior landscaping is also a rapidly expanding industry. It is also likely that the 2012 Olympics being held in London will increase demand for graduates in horticulture. The commercial horticulture industry is a multi-billion pound business, vital to the health and well-being of the nation. Apart from the major sectors of fruit, vegetables

and protected crops, the industry embraces nursery production, cut flowers and bedding plants, vineyards and an increasing range of organically produced crops. Employment opportunities exist in areas such as plant production, supply chain management and advisory services. To cater for the growing interest in these areas there has been a corresponding growth of opportunities in teaching, journalism and horticultural therapy. Business management skills are increasingly important for those working in this industry, as there are vast opportunities for managers and the self-employed. IT skills are crucial too, particularly in computer-aided design.

## Resources

Increasingly society is looking to the role that horticulture plays in the quality of life and its restorative benefits. Writtle has a wealth of outdoor and indoor resources used extensively in the teaching of horticulture. The extensive College gardens are home to an abundance of trees and plants.

Students design and work on specific areas of the gardens each year, which means the look of the campus is constantly changing. There is a plant collection of over 10,000 specimens and a tree collection of over 1,200 specimens. Students are actively involved in the planting and maintenance of this valuable resource. The grounds provide students with practical sites for surveying, landscape appraisal and construction of new gardens and features. There are also tropical and temperate glasshouses on campus.



The College estate offers a wide range of resources for teaching crop production, with facilities devoted entirely to education and research and used for practical training purposes, case studies and dissertations. The fruit and vegetable production areas provide examples of different growing techniques both in outdoor and protected cropping. The glasshouses are an excellent resource for some of the crops grown at the College, including ornamentals, tomatoes and strawberries. Hardy nursery stock resources are used by both commercial and amenity horticulture students. Production techniques are covered with particular emphasis on plant propagation. A wide range of propagation techniques are demonstrated within the facility.

The Amenity Landscape Building enables experimental designs to be built indoors. It is used to plan the College's entries to shows such as the RHS Chelsea and Hampton Court Flower Shows. The College has won numerous medals at both shows including prestigious gold medals for its gardens and exhibits.

The College manages a 15 hectare sports field with hockey, rugby, football and cricket pitches. There are tennis courts and areas for golf green construction. The sports field is also used for teaching sports turf surfaces and recreation management as well as providing a resource used by both academic programmes.



The grounds provide an important resource for research and trials work. A suite of modern drawing offices and design studios with drawing boards, computer applications and associated teaching rooms caters for the artistic expression of landscape and garden design students. The Computer Aided Design Centre provides modern technology enabling students to produce 2D and 3D designs.

### Floristry

Floristry students are involved with floral exhibits and designs on and off campus and opportunities exist to gain work experience with floristry enterprises.

### Centre of Horticulture

The horticulture industry is very broadly based and this is reflected in the project areas currently being undertaken in the Centre of Horticulture, one of the Centres of Innovation at Writtle College.

The Postharvest Unit has a well equipped laboratory and a long record of undertaking applied research on an international basis in many aspects of crop handling, transport and storage. The Unit also provides specialist training courses for companies in this sector.

With an industrial partner, the Centre of Horticulture has recently been awarded a research grant to investigate the control of non-native invasive weeds in amenity landscape areas.

Many of the academic staff at Writtle have ongoing research work which provides interesting teaching material and project topics for undergraduate students. Current topics include breeding of ornamental plants, issues concerning historic gardens and contemporary planting schemes.

For further information about Horticulture Courses please contact:  
Horticulture Admissions Tutor  
Tel: **+44 (0)1245 424200**  
Email: **horticulture@writtle.ac.uk**

### Postgraduate

This School offers a number of postgraduate opportunities. The following courses are available:

- International Horticulture
- Horticulture (Crop Production)
- Postharvest Technology
- Landscape Management



## Award Options

### Tree Management

This unique option will give students the opportunity to specialise in Arboriculture and the general management of trees. The techniques gained can be applied to tree collections in botanic gardens, urban areas, public parks as well as private gardens. The management of trees in an economic, social, ecological and technical context will be developed throughout the course.

### Global Crop Production

This specialist horticultural option is designed to produce graduates who have a broad understanding of the horticultural crop production industry. The course also develops specific subject expertise to prepare them for senior roles within the crop production and marketing sectors of horticulture and the associated industries.

### Historic Garden Management

Students will learn how to assess and develop an understanding of the heritage value of historic gardens and to apply management principles and practices. The course aims to produce students who are capable of critically analysing complex garden and landscape situations.

### Plantsmanship

This option enables horticultural students to specialise in the study of plant diversity and plant management. Students will explore the specific cultivation requirements of plant communities by relating cultivated plants to their natural environments.

### Landscape Construction

This option aims to provide the practical and professional training necessary for students seeking employment in contracting and landscape construction.

### Sports Turf Management

This option provides the practical and professional training necessary for those who seek supervisory positions and other responsibilities in sports turf and golf course management.

Award Options can be studied as part of the Horticulture degree course and can also be combined with degree courses from the other Schools (Options have been identified on course pages in the prospectus).

## GRADUATE PROFILE

### Robert Farthing

BSc (Hons) Horticulture

*"During my time at Writtle College I was able to specialise in horticultural production and technology, with a strong lean towards the commercial sector. I have recently started my first job as a Glasshouse Supervisor (Management Trainee) at a nursery, the job is exactly what I wanted to do and I have the benefit of working with a highly motivated team."*



## BSc (Hons) Horticulture

This course is most suited to those who have limited experience of the horticultural industry and who wish to follow a broad approach before deciding on their future career. On completion of the course, students will have acquired a good range of practical horticultural and business skills to equip them for a career in a wide choice of fields.

The flexibility of this course allows it to be combined with an award option from another programme. For further details of award options from this school please see page 76, for other awards see pages 40 and 86. Please see choices listed below:

STAGE ONE		STAGE TWO		STAGE THREE	
Semester 1	Semester 2	Semester 3	Semester 4	Semester 5	Semester 6
Sector Studies for the Horticulture Industry		Academic & Professional Development		Dissertation	
Biological Processes	Horticultural Science	Plant Production Science		Crop Growth & Pathology 2	Plant Breeding, or Horticultural & Landscape Ecology
Plant Propagation & Production		<b>Modules can be selected on application</b>			
<b>Award Options</b>					

### BSc (Hons) Horticulture (Tree Management)

Arboriculture - The Living Tree	Arboriculture - Managing Trees	Horticultural & Landscape Ecology
---------------------------------	--------------------------------	-----------------------------------

### BSc (Hons) Horticulture (Global Crop Production)

Tropical Horticulture	International Horticulture	Trade & International Supply Chain Management
Glass & Nursery Production	Fruit & Vegetable Crop Production	Floriculture Ornamental Plant Production

### BSc (Hons) Horticulture (Historic Garden Management)

Gardens & Plants Through Time	Traditional & Contemporary Planting	World Gardens	Conservation of Historic Gardens
-------------------------------	-------------------------------------	---------------	----------------------------------

### BSc (Hons) Horticulture (Plantsmanship)

Gardens & Plants Through Time	Horticultural Plantsmanship	Ethnobotany	Systematic Botany Horticultural & Landscape Ecology
-------------------------------	-----------------------------	-------------	---

### BSc (Hons) Horticulture with Garden Design

Spatial Design Techniques	Design a Garden	Garden Design Applications	Planting and Detail Design	Self Directed Learning	Design in a Historical Context
---------------------------	-----------------	----------------------------	----------------------------	------------------------	--------------------------------

### BSc (Hons) Horticulture with Art in the Environment

Gardens & Plants Through Time	Landscapes, Gardens & the Arts	World Gardens	Self Directed Learning	Designing within a Historic Context
-------------------------------	--------------------------------	---------------	------------------------	-------------------------------------

### BSc (Hons) Horticulture with Business Management

Essential Business	Management Concepts & Practice	Applied Business
--------------------	--------------------------------	------------------

### BSc (Hons) Horticulture with Marketing and Supply Chain Management

Introduction to Supply Chain Management	Consumer Behaviour & Markets	Advertising & Sales	Product Design & Packaging	Post Harvest Technology	Trade & International Supply Chain Management
---	------------------------------	---------------------	----------------------------	-------------------------	---

### BSc (Hons) Horticulture with Conservation Management

Principles & Practice of Ecology	Principles of Habitat Management	Climate Change & Biodiversity	Protected Area Management
----------------------------------	----------------------------------	-------------------------------	---------------------------

### BSc (Hons) Horticulture with Event Management

Contemporary Issues In Event Management	Planning & Running an Event	Types of Events	History & Principles of Event Management
---	-----------------------------	-----------------	--

### BSc (Hons) Horticulture with Wildlife Conservation

Principles & Practice of Ecology	Principles of Habitat Management	Biodiversity & Conservation
----------------------------------	----------------------------------	-----------------------------

## FdSc Horticulture

This two year course has been designed to prepare students for positions of responsibility within a vastly expanding industry.

The flexibility of this course allows it to be combined with an award option. Further details of the award options can be found on page 76. Please see options listed below:

STAGE ONE		STAGE TWO	
Semester 1	Semester 2	Semester 3	Semester 4
Sector Studies for the Horticulture Industry		Foundation Degree Academic & Professional Development	
Biological Processes	Horticultural Science	Plant Production Science	
Award Options			
Learning Through Work		Learning From Work	

### FdSc Horticulture (Global Crop Production)

Tropical Horticulture	International Horticulture
-----------------------	----------------------------

### FdSc Horticulture (Global Crop Production)

Glass & Nursery Production	Fruit & Vegetable Crop Production
----------------------------	-----------------------------------

### FdSc Horticulture (Landscape Construction)

Gardens and Plants Through Time	Garden and Landscape Contracts	Landscape Construction Project
---------------------------------	--------------------------------	--------------------------------

### FdSc Horticulture (Tree Management)

Arboriculture - The Living Tree	Arboriculture - Managing Trees
---------------------------------	--------------------------------

### FdSc Horticulture (Plantsmanship)

Gardens & Plants Through Time	Horticultural Plantsmanship	Ethnobotany
-------------------------------	-----------------------------	-------------

### FdSc Horticulture (Sports Turf Management)

Sports Turf Technology	Golf Course & Sports Field Management	Sports Turf Surfaces
------------------------	---------------------------------------	----------------------

## BSc (Hons) Green Space Management

This course provides the practical and professional training necessary for those seeking positions of responsibility in the management of landscapes, large parks, estates, prestige gardens or associated leisure facilities and amenities. Career options include management positions in local authority parks, public/historic gardens, country parks, botanic gardens, national parks, nurseries and garden centres.

The flexibility of this course allows it to be combined with an award option. Further details of the award options can be found on page 86. Please see options listed below:

STAGE ONE		STAGE TWO		STAGE THREE	
Semester 1	Semester 2	Semester 3	Semester 4	Semester 5	Semester 6
Sector Studies for the Horticulture Industry		Academic & Professional Development		Dissertation	
Biological Processes	Horticultural Science	Plant Production Science		Crop Growth & Pathology 2	Plant Breeding, or Horticultural & Landscape Ecology
Gardens & Plants Through Time		Traditional & Contemporary Planting	Parks & Green Spaces	Green Space Strategies	
Plant Propagation & Production		Garden & Landscape Management	Garden & Landscape Management	Landscape Planning & the Law	Urban Environment

### BSc (Hons) Green Space Management with Conservation Management

Principles & Practice of Ecology	Principles of Habitat Management	Climate Change & Biodiversity	Protected Area Management
----------------------------------	----------------------------------	-------------------------------	---------------------------

### BSc (Hons) Green Space Management with Event Management

Contemporary Issues In Event Management	Planning & Running an Event	Types of Events	History & Principles of Event Management
---	-----------------------------	-----------------	--

### BSc (Hons) Green Space Management with Wildlife Conservation

Principles & Practice of Ecology	Principles of Habitat Management	Biodiversity & Conservation
----------------------------------	----------------------------------	-----------------------------

## FdSc Green Space Management

This course prepares students for positions of responsibility within an expanding industry. The course is practical in its application and develops a broad range of horticultural and managerial skills as they relate to green spaces.

STAGE ONE		STAGE TWO	
Semester 1	Semester 2	Semester 3	Semester 4
Sector Studies for the Horticulture Industry		Foundation Degree Academic & Professional Development	
Biological Processes	Horticultural Science	Traditional & Contemporary Planting	Parks & Green Spaces
Gardens & Plants Through Time		Garden & Landscape Contracts	Garden & Landscape Management
Learning Through Work		Learning From Work	

## BSc (Hons) Social and Therapeutic Horticulture

This course combines the art and science of professional horticulture with its application through education and research in the particular social and scientific context of horticultural therapy. This programme would suit those students who enjoy working with plants and people and wish to develop both horticultural and therapy related skills.

STAGE ONE		STAGE TWO		STAGE THREE	
Semester 1	Semester 2	Semester 3	Semester 4	Semester 5	Semester 6
Sector Studies for the Horticulture Industry		Academic & Professional Development		Dissertation	
Biological Processes	Horticultural Science	Plant Production Science		Ecotherapy & Health	Holistic Health & Well Being Horticultural & Landscape Ecology
Horticulture 1 or 2					
Foundations in Social & Therapeutic Horticulture		Social & Therapeutic Horticulture Theory & Practice		Professional Practice Application in Social & Therapeutic Horticulture	

## FdSc Social and Therapeutic Horticulture

The two year Foundation degree combines a vocational and practical application of horticulture to the applied work environment of horticultural therapy.

STAGE ONE		STAGE TWO	
Semester 1	Semester 2	Semester 3	Semester 4
Sector Studies for the Horticulture Industry		Foundation Degree Academic & Professional Development	
Horticulture 1 or Horticulture 2			
Foundations in Social & Therapeutic Horticulture		Social & Therapeutic Horticulture Theory & Practice	
Learning Through Work		Learning From Work	

## Certificate in Professional Gardening

The course consists of three modules; Gardens and Plants Through Time, or Plant Production and Propagation; plus the two core modules: Plant Diseases in Horticulture. This certificate will be studied part time, usually in the evening.

## Certificate of Continuing Education (CCE) in Horticulture

Students will construct their course of appropriate modules totalling 60 credits drawn from the BSc Horticulture Scheme ideally at level 4.

## Higher Certificate in Horticulture

Students will construct their course of modules totalling 120 credits from the undergraduate portfolio at level 4 (at least 90 must be from the Horticulture scheme). Completion of this award can result in progression to Honour degree programmes.

For course listings and UCAS requirements see page 106.

Please see the College website for further details on all courses



## FdA Professional Floristry

Students aspiring to become professional, skilled florists and business people are ideally suited to this course. Study areas are mainly practical and theoretical aspects of floral design with the opportunity to develop technical skill and creativity. Students also study business management and most aspire to own their own business in the future. Related careers can include; interior styling, landscaping, demonstrating and teaching. Some specialise in weddings, corporate supply and event decoration.

STAGE ONE		STAGE TWO	
Semester 1	Semester 2	Semester 3	Semester 4
Floristry Sector Studies		Academic & Professional Development	
Transferable Floristry Techniques		Current Trends in Floral Design	
Contemporary Floristry 1		Contemporary Floristry 2	
Learning Through Work		Learning From Work	

## BA (Hons) Professional Floristry Top Up Year

After completing the Foundation degree, students can choose to progress onto a top up year leading to the award title BSc (Hons) Professional Floristry.

STAGE THREE	
Semester 1	Semester 2
Dissertation/Design Project	
Commercial Floral Practices	
Contemporary Floral Design	
Post Harvest Physiology & Technology	Trade & International Supply Chain Management

## Higher Certificate in Professional Floristry\*

Higher Certificates are a one year full-time or two year part-time course designed to enable students to progress onto Honour degree programmes.

## Certificate in Professional Floristry

This course consists of three modules and will be studied part-time.

\*subject to validation