



UCD Agriculture, Food Science and Human Nutrition

Non Standard Entry Information Booklet (2015 Entry)

Twelve exciting degree programme options spanning the
entire agri-food, nutrition and environmental sciences sector

Contents

	Page No:
Introduction	3
Non Standard Entry Routes: Stage One	6
Section 1 - Access to Science & Engineering	7
Section 2 - Application on the Grounds of Mature Years	8
Section 3 - FETAC (NCVA) Level 5 Qualification: CASLT Applied Science – Laboratory Techniques	9
Section 4 - FETAC (NCVA) Level 5 Qualification: CASHX Horticulture	10
Section 5 - Higher Education Access Route	11
Section 6 - International Student Entry	12
Non Standard Entry Routes: Advanced Stage (HETAC Progression Route)	14
Section 7 - General Progression	15
Specific HETAC Progression Routes	
Section 8 - Higher Certificate in Agriculture	16
Section 9 - Bachelor of Science in Agriculture	20
Section 10 - Bachelor of Science in Agricultural Science	22
Section 11 - Bachelor of Science in Forest Management and Environment	29
Section 12 - Bachelor of Science in Forestry	31
Section 13 - Bachelor of Science in Horticulture	33
Section 14 - Bachelor of Engineering in Agricultural Engineering	35

Introduction

We offer ten Bachelor of Agricultural Science (BAgrSc) undergraduate programme options and two Bachelor of Science programmes in Food Science and Human Nutrition. Our programmes span the business and science of agriculture, food, horticulture, forestry, nutrition and the environment.

NON STANDARD ENTRY ROUTES: STAGE ONE

For the purposes of this booklet, “Non Standard Entry Routes: Stage One” are considered as all external applications to stage one of our programmes other than those applying on the basis of Irish school-leaving examinations. A small number of places are available via non standard entry routes, on a competitive basis, to stage one of our programmes in 2015. A number of specific entry routes, with specific criteria are outlined in sections 1-6.

NON STANDARD ENTRY ROUTES: ADVANCED STAGE (HETAC PROGRESSION ROUTES)

Non Standard Entry Routes: Advanced Stage (HETAC Progression Routes) are designed to facilitate students who have received a qualification which is recognised and considered comparable to stages one (and in some instances, stage two) of the BAgrSc programme by the Agricultural Sciences Programme Board at UCD. Having achieved a distinction/merit, a limited number of places will be made available on the BAgrSc programme each year, on a competitive basis, to suitably qualified applicants. General and specific progression routes are outlined in sections 7-14.

Prospective students should note that although UCD is committed to the provision of a limited number of places on Non Standard Entry Routes each year, restrictions may prevent the provision of places on some programme options annually. Students are advised that the attainment of any of the qualifications outlined in this booklet does not oblige UCD to accept applications for entry, as the number of places is limited in all cases. The information provided in this booklet is correct at the time of going to press but the University reserves the right to make changes at any time. As much notice as possible will be given of any changes.

Students from other Higher Education Institutions who are considering transfer to start year 2 or later should refer to <https://myucd.ucd.ie/admissions/transfer.ezc#ext>

A brief outline of the twelve honours degree programme options on offer are outlined below. Further details can be obtained by contacting the UCD Agriculture and Food Science Programme Office directly.

AGRICULTURAL SCIENCE (BAgrSc)

This programme option provides students entering stage one of the Bachelor of Agricultural Science degree programme with an opportunity to take a common stage one before selecting from one of four degree options (Animal and Crop Production, Animal Science, Engineering Technology, Food and Agribusiness Management) at the end of the stage. This is a good option if you are not sure which specific programme you would like to pursue to degree level. (Restrictions may apply)

ANIMAL AND CROP PRODUCTION (BAgrSc)

This programme gives an in-depth technical knowledge on how to produce and manage the major economic crops and animals (dairy, beef, sheep, pigs and poultry), as well as building business and communication skills.

ANIMAL SCIENCE (BAgrSc)

The Animal Science programme concentrates on the single most important sector of the agricultural industry. Students undertake areas of study covering nutrition and feed formulation, physiology, genetics, reproduction, as well as business, agricultural policy and communications.

ANIMAL SCIENCE – EQUINE (BAgrSc)

This programme is designed to equip you with the knowledge and skills necessary to provide professional leadership and technical support for the dynamic equine industry. The programme offers modules that focus on applied sciences that underpin animal and veterinary biosciences, with a particular emphasis on the horse.

AGRI-ENVIRONMENTAL SCIENCES (BAgrSc)

The main focus of this programme is the complex interactions between how land is used and the natural environment. Skills are developed in integrated agricultural management, landscape, floral and faunal conservation, and environmental planning and assessment.

FORESTRY (BAgrSc)

Graduates from this programme will have the knowledge and skills to manage and advise on timber production, sustainable forest management and forest related businesses. The programme consists of a mix of biological, production and business modules.

HORTICULTURE, LANDSCAPE AND SPORTSTURF MANAGEMENT (BAgrSc)

This programme develops expertise and skills for a wide range of careers in fresh food production, quality assurance, nursery and ornamental plant production, garden centre management, sportsturf (golf courses, playing fields, etc) and landscape management.

ENGINEERING TECHNOLOGY (BAgrSc)

This degree programme covers the use of engineering technology in the areas of: food processing, environmental control, information technology, mechanisation, buildings, and soil and water.

DAIRY BUSINESS (BAgrSc)

This relatively new programme is designed to provide students entering the dairy industry (dairy farming or supporting industries) with a high level of scientific, technical and business skills and has been developed following extensive consultation with relevant stakeholders.

FOOD AND AGRIBUSINESS MANAGEMENT (BAgrSc)

This degree programme develops technical understanding of farming and the food production chain as well as economic analysis, business management and communication skills.

FOOD SCIENCE (BSc)

This specialist programme is designed to build skills and knowledge for a career in one of the most important and exciting sectors of the economy. It combines the theoretical and practical aspects of food science with special modules in agriculture, food biochemistry and the major food groups (meat, dairy, etc).

HUMAN NUTRITION (BSc)

The academic content of this programme, together with the experience gained from placement leads to excellent employment opportunities in the food industry, nutrition research or health promotion. This programme will aid you in continuing to train as a public health nutritionist, through further study and/or applied practice.

Non Standard Entry Routes: Stage One

Section 1

Entry to Stage one of the BAgrSc and BSc (Food Science) programmes for holders of the Access to Science & Engineering course at the Adult Education Centre in UCD

Candidates who have obtained, or who will obtain, Access to Science and Engineering, Certificate in Foundation Level Studies at the UCD Adult Education Centre with an average mark of **60%**, may be eligible to apply for admission to enter **stage one** of the following programmes:

- Bachelor of Agricultural Science
 - DN250: NPF — BAgrSc (Agricultural Science)
 - DN250: ACP — BAgrSc (Animal and Crop Production)
 - DN250: ASC — BAgrSc (Animal Science)
 - DN250: ENT — BAgrSc (Engineering Technology)
 - DN250: FAM — BAgrSc (Food and Agribusiness Management)
 - DN251 — BAgrSc (Animal Science – Equine)
 - DN252 — BAgrSc (Dairy Business)
 - DN271 — BAgrSc (Forestry)
 - DN272: AES — BAgrSc (Agri-Environmental Sciences)
 - DN272: HLS — BAgrSc (Horticulture, Landscape and Sportsturf Management)
- Bachelor of Science
 - DN261 — BSc (Food Science)

An outline of each of the programmes is available at www.ucd.ie/myucd/ag

Application to the Access to Science and Engineering course at UCD should be made directly to the UCD Adult Education Centre, Library Building, University College Dublin, Belfield, Dublin 4.

For suitable candidates on the Access to Science and Engineering course, application for entry to the above programmes is made via the Central Applications Office on the grounds of mature years. Application for entry in 2015 should be made **no later than 1st February 2015**. Successful applicants may request Recognition of Prior Learning in respect of two five-credit modules to be used towards elective credit (only) at either Stage 1 or Stage 2.

The following college offers the Access to Science and Engineering course: **University College Dublin, Adult Education Centre**

For further information please contact:

Central Applications Office

Tower House, Eglinton St., Galway
 Telephone: 091 509800
 Email: help@cao.ie Web: www.cao.ie

UCD Agriculture and Food Science Programme Office

University College Dublin
 Telephone: 01 716 7194
 E-mail: agandfoodprogrammes@ucd.ie

UCD Adult Education Centre

University College Dublin
 Telephone: 01 716 7584
 Email: adult.education@ucd.ie

Section 2

Entry to Stage one of the BAgrSc, BSc (Food Science) and BSc (Human Nutrition) programmes on the Grounds of Mature Years

A mature applicant is anyone who is at least 23 years of age on 1st January of the proposed year of entry and whose school-leaving qualifications are insufficient for admission in the normal way. For admission in September 2015 your date of birth must be on or before 1st January 1992. Suitable candidates are eligible to apply for admission to **stage one** of the following programmes:

- Bachelor of Agricultural Science
 - DN250: NPF — BAgrSc (Agricultural Science)
 - DN250: ACP — BAgrSc (Animal and Crop Production)
 - DN250: ASC — BAgrSc (Animal Science)
 - DN250: ENT — BAgrSc (Engineering Technology)
 - DN250: FAM — BAgrSc (Food and Agribusiness Management)
 - DN251 — BAgrSc (Animal Science – Equine)
 - DN252 — BAgrSc (Dairy Business)
 - DN271 — BAgrSc (Forestry)
 - DN272: AES — BAgrSc (Agri-Environmental Sciences)
 - DN272: HLS — BAgrSc (Horticulture, Landscape and Sportsturf Management)
- Bachelor of Science
 - DN261 — BSc (Food Science)
 - DN262 — BSc (Human Nutrition)

Application on the grounds of mature years is made through the Central Applications Office. Having completed a CAO application, applicants must:

1. Register for the MSAP by applying online at <http://msap-ie.acer.edu.au/>. A CAO number is required to apply for the MSAP, so applicants are recommended to apply via the CAO online application to ensure it is received in time for the initial MSAP registration deadline of 1 February 2015. Please refer to the MSAP website for further details of registration and payment guidelines and closing dates.
2. Complete a mandatory Personal Statement to be included as part of their application.

Please refer to www.ucd.ie/myucd/mature for further details on the application process.

Selection is based on a combination of **MSAP assessment** AND **Personal Statement**. Both elements are mandatory. An interview may be deemed necessary to facilitate a decision in relation to an application.

Application for entry in 2015 should be made **no later than 1st February 2015**. **Late applications on the grounds on mature entry will not be accepted.**

For further information please contact:

Agriculture and Food Science Programme Office
 University College Dublin
 Telephone: 01 716 7194
 E-mail: agandfoodprogrammes@ucd.ie

Central Applications Office
 Tower House, Eglinton St., Galway
 Telephone: 091 509800
 Email: help@cao.ie Web: www.cao.ie

Section 3

Entry to Stage one of the BAgSc and BSc (Food Science) programmes for holders of the FETAC (NCVA) Level 5 Qualification: CASLT Applied Science – Laboratory Techniques

Entry to Stage One of the BAgSc and BSc (Food Science) programmes for holders of the FETAC (NCVA) Level 5 Qualification: CASLT or 5M3807 Applied Science – Laboratory Techniques. Entry will be available on a competitive basis to Stage One of the following programmes:

- Bachelor of Agricultural Science
 - DN250: NPF — BAgSc (Agricultural Science)
 - DN250: ACP — BAgSc (Animal and Crop Production)
 - DN250: ASC — BAgSc (Animal Science)
 - DN250: ENT — BAgSc (Engineering Technology)
 - DN250: FAM — BAgSc (Food and Agribusiness Management)
 - DN251 — BAgSc (Animal Science – Equine)
 - DN252 — BAgSc (Dairy Business)
 - DN271 — BAgSc (Forestry)
 - DN272: AES — BAgSc (Agri-Environmental Sciences)
 - DN272: HLS — BAgSc (Horticulture, Landscape and Sportsturf Management)
- Bachelor of Science
 - DN261 — BSc (Food Science)

Applicants must satisfy each of the following criteria:

- **Pass in the following FETAC (NCVA) Level 5 Qualification: CASLT or 5M3807 Applied Science – Laboratory Techniques**
- **Distinctions (80% or better) in a minimum of five modules in the qualification which must include distinctions in the following modules:**
 - **C20139 Mathematics OR C20174 Mathematics for Engineering OR C20175 Mathematics for Computing OR Grade D3 in Mathematics Leaving Certificate Ordinary Level AND**
 - **any two of the following modules:**
 - **C20006 Biology**
 - **C20011 Chemistry**
 - **C20048 Physics**

Suitable candidates are eligible to apply for admission to stage one of the above programmes. It is expected that there will be **10 places** available.

Application for entry in 2015 should be made via the Central Applications Office at www.cao.ie. Application for entry in 2015 should be made **no later than 1st February 2015** with late applications accepted **no later than 1st May 2015** .

For further information please contact:

Agriculture and Food Science Programme Office
 University College Dublin
 Telephone: 01 716 7194
 E-mail: agandfoodprogrammes@ucd.ie

Central Applications Office
 Tower House, Eglinton St., Galway
 Telephone: 091 509800
 Email: help@cao.ie Web: www.cao.ie

Section 4

Entry to Stage one of the BAgrSc (Horticulture, Landscape and Sportsturf Management) programme for holders of the FETAC (NCVA) Level 5 Qualification: CASHX Horticulture

Entry to **stage one** of the BAgrSc (Horticulture, Landscape and Sportsturf Management) programme (DN272: HLS) will be available on a competitive basis to students who satisfy each of the following criteria:

- **Pass in the following FETAC (NCVA) Level 5 Qualification: CASHX or 5M2586 Horticulture**
- **Distinctions (80% or better) in a minimum of five modules in the qualification which must include distinctions in the following modules:**
 - **C20049 OR 5N2528 Plant Science**
 - **C20055 OR 5N2530 Soil Science and Growing Media**
 - **C20190 OR 5N2527 Plant Identification and Use**
 - **C20139 Mathematics OR C20174 Mathematics for Engineering OR C20175 Mathematics for Computing OR Grade D3 in Mathematics Leaving Certificate Ordinary Level**

An outline of the BAgrSc Agricultural Science (Horticulture, Landscape and Sportsturf Management) programme (DN272: HLS) programme is available at www.ucd.ie/myucd/ag

Suitable candidates are eligible to apply for admission to stage one of the BAgrSc Agricultural Science (Horticulture, Landscape and Sportsturf Management) programme (DN272: HLS). It is expected there will be **5 places** available.

Application for entry in 2015 should be made via the Central Applications Office at www.cao.ie. Application for entry in 2015 should be made **no later than 1st February 2015** with late applications, accepted **no later than 1st May 2015**.

For further information please contact:

Agriculture and Food Science Programme Office
University College Dublin
Telephone: 01 716 7194
E-mail: agandfoodprogrammes@ucd.ie

Central Applications Office
Tower House, Eglinton St., Galway
Telephone: 091 509800
Email: help@cao.ie Web: www.cao.ie

Section 5

Entry to Stage one of the BAgSc and BSc (Food Science) and BSc (Human Nutrition) programmes via the Higher Education Access Route (HEAR) and Disability Access Route to Education (DARE)

Entry to **stage one** of each of the 10 Bachelor of Agricultural Science programme options and BSc in Food Science and BSc in Human Nutrition programmes, will be available as part of the Higher Education Access Route (HEAR) and Disability Access Route to Education (DARE).

HEAR is a third level admissions scheme for school leavers from socio-economically disadvantaged backgrounds. HEAR has been established by a number of higher education institutions as clear evidence shows that socio-economic disadvantage has a negative impact on educational attainment at school and on progression to higher education. HEAR is aimed at school leavers who have the ability to benefit from and succeed in higher education and who come from socio-economic groups in Irish society that are underrepresented in third level.

DARE is a College and University admission scheme which offers places at reduced points to school leavers with disabilities. DARE has been set up by a number of colleges and universities as evidence shows that disabilities can have a negative effect on how well a student does at school and where they go to college.

Each participating institution has allocated a quota of places on a reduced points basis for students entering HEAR and DARE and further details are available on the UCD Access website at www.ucd.ie/access and www.accesscollege.ie. Candidates are requested to meet the matriculation and entry requirements of the Bachelor of Agricultural Science programme.

An outline of the 10 BAgSc programme options and BSc in Food Science and BSc in Human Nutrition programmes is available at www.ucd.ie/myucd/ag

Initial application for entry in 2015 is made by completing your **CAO application form by the 1 February 2015**. **Additional timelines associated with the HEAR AND DARE scheme are available at www.accesscollege.ie**

For further information please contact:

UCD Access Centre

University College Dublin
Telephone: 01 716 1653
Email: hear@ucd.ie

UCD Agriculture and Food Science Programme Office

University College Dublin
Telephone: 01 716 7194
E-mail: agandfoodprogrammes@ucd.ie

Section 6

Entry to Stage one of the BAgrSc and BSc (Food Science) and BSc (Human Nutrition) programmes for International Students

The Bachelor of Agricultural Science programme welcomes applications from international students. International entry to **stage one** of the 10 Bachelor of Agricultural Science programme options and BSc in Food Science and BSc in Human Nutrition is competitive but places are available for suitably qualified international students. **Students should visit www.ucd.ie/fees to establish their fee status. This will determine the application process.**

Prospective students who are considered "EU" for fee purposes must apply for a place through the Central Applications Office (CAO). Application can be made online at www.cao.ie

To request a paper application, contact the Central Applications Office at:

Central Applications Office
Tower House
Eglinton Street
Galway
Ireland

T: +353 91 509800

F: +353 91 562344

E-mail: help@cao.ie W: www.cao.ie

All other students must apply directly to UCD Registry Admissions. Students in China, India, Malaysia, Norway and Russia can also apply through approved agents in their countries. Lists of these agents are accessible via the relevant country pages at: <http://www.ucd.ie/international/study-at-ucd-ie/>

Non-EU applicants are assessed for admission purposes on an individual basis.

However, applicants must normally meet the matriculation requirements and attain examination qualifications which equate with the entry standard of Irish students. There is keen competition for admission to all courses and the standard required is consequently very high.

Courses in UCD are given through English, so all students applying for degree courses at undergraduate and postgraduate levels must be able to speak, read and write English fluently in order to take part in tutorials, seminar discussions and examinations. **If your first language is not English, or if you have not taken your secondary education through English, you will need to have passed an approved test before your application can be considered.** The English language requirement can be satisfied by a pass in one of the approved tests in English for foreign students, for example Cambridge, JMB, IELTS (minimum 6.5 overall, with min. 6.0 in each band), TOEFL (minimum 600 paper-based, 250 computer based, with Test of Written English at 475+) or GCSE Grade C. Please see the UCD International website for further details: <http://www.ucd.ie/international/study-at-ucd-global/ucdenglishlanguage requirements/>

An outline of each of the 10 BAgrSc programme options and BSc in Food Science and BSc in Human Nutrition programme is available at www.ucd.ie/myucd/ag

Application for entry in 2015:

The closing date for receipt of applications from students applying through agents is normally **no later than 1st of July 2015** (some exceptions may apply).

For all other students, application for entry in 2015 should be made directly to UCD Registry Admissions through www.ucd.ie/apply. Applications for entry in 2015 should be made **no later than 1st of July 2015**.

For further information please contact:

UCD Registry Admissions

University College Dublin
Telephone: 01 716 1608
E-mail: admissions@ucd.ie

UCD Agriculture and Food Science Programme Office

University College Dublin
Telephone: 01 716 7194
E-mail: agandfoodprogrammes@ucd.ie

**Non Standard Entry Routes:
Advanced Stage
(HETAC Progression Routes)**

Section 7

Progression to the Honours BAgSc and BSc (Food Science) and BSc (Human Nutrition) Degree programmes from Institutes of Technology for Holders of a Higher Certificate/Ordinary Degree

Candidates who have obtained, or who will obtain a Higher Certificate or ordinary level Degree with **Distinction/Merit** may be eligible to apply for admission to each of the honours BAgSc programme options, BSc in Food Science and BSc in Human Nutrition programmes, subject to places being available.

General Progression Route

Candidates who have completed a higher certificate/ordinary level degree programme, for which a progression route has not been established, may apply for progression to the BAgSc programme, BSc in Food Science and BSc in Human Nutrition programmes, subject to having passed with Distinction/Merit third level examinations in **all** of the following subjects or their equivalents:

- ❖ Biology
- ❖ Chemistry
- ❖ Mathematics
- ❖ Experimental Physics

For applicants to the Dairy Business programme, relevant **business subjects** are also required for eligibility for application. Applicants to the Dairy Business programme are not required to present with Experimental Physics subjects.

For applicants to the Human Nutrition programme, relevant **human nutrition subjects** are also required for eligibility for application to the programme

Progression may be possible into **stage two** of the relevant BAgSc programme option, BSc in Food Science and BSc in Human Nutrition programmes. Application for progression to the BAgSc programme, BSc in Food Science and BSc in Human Nutrition programmes is made to UCD Registry Admissions, University College Dublin.

An outline of each of the BAgSc programme options, BSc in Food Science and BSc in Human Nutrition programmes is available at www.ucd.ie/myucd/ag

Application for entry in 2015 should be made directly to UCD Registry Admissions through www.ucd.ie/apply. Application for entry in 2015 should be made **no later than 1st July 2015**.

For further information please contact:

UCD Registry Admissions

University College Dublin
Telephone: 01 716 1608
E-mail: admissions@ucd.ie

UCD Agriculture and Food Science Programme Office

University College Dublin
Telephone: 01 716 7194
E-mail: agandfoodprogrammes@ucd.ie

Section 8

Progression to the Honours BAgrSc Degree for holders of Higher Certificate in Agriculture

Candidates who have obtained, or who will obtain, a Higher Certificate in Agriculture or the National Certificate in Agriculture with **Distinction/Merit**, may be eligible to apply for admission to the following BAgrSc programme options:

- BAgrSc (Animal and Crop Production)
- BAgrSc (Animal Science)
- BAgrSc (Food and Agribusiness Management)

Progression may be possible into **stage two** of the BAgrSc programme, subject to the availability of places. An outline of the three transfer programme options follows.

Application for progression to the BAgrSc programme is made to UCD Registry Admissions, through www.ucd.ie/apply. Application for entry in 2015 should be made **no later than 1st July 2015**.

The following colleges/institutes of technology offer the Higher Certificate in Agriculture:

- ❖ **Clonakilty Agricultural College/Cork Institute of Technology (CR010)**
- ❖ **Kildalton College/Waterford Institute of Technology (WD098)**
- ❖ **Ballyhaise Agricultural College/Dundalk Institute of Technology (DK685)**

For further information please contact:

UCD Registry Admissions

University College Dublin
Telephone: 01 716 1608
E-mail: admissions@ucd.ie

UCD Agriculture and Food Science Programme Office

University College Dublin
Telephone: 01 716 7194
E-mail: agandfoodprogrammes@ucd.ie

Programme Title

ANIMAL AND CROP PRODUCTION TEAGASC/IT TRANSFER MAJOR (CPS2)

STAGE TWO*

Subject Areas

Biology
Chemistry
Experimental Physics
Agricultural Economics and Business
Mathematics
Electives

STAGE THREE*

Subject Areas

Chemistry of Macronutrients
Business Management
Agricultural Microbiology
Animal Nutrition 1
Applied Plant Biology
Fundamentals of Arable Crop Production
Genetics and Biotechnology
Applied Biostatistics
Agricultural Biochemistry
Soil Science Basics
Electives

STAGE FOUR*

Subject Areas

Food & Agricultural Policy
Animal Reproduction
Animal Breeding 1
Soil Science Applications
Pests and Parasites
Plant Diseases: Biology & Control
Animal Nutrition II
Professional Communications
Electives

* *Subject to annual curriculum development*

Programme Title

ANIMAL SCIENCE TEAGASC/IT TRANSFER MAJOR (ANS2)

STAGE TWO*

Subject Areas

Biology
Chemistry
Experimental Physics
Information Skills and Computer Applications
Mathematics
Electives

STAGE THREE*

Subject Areas

Chemistry of Macronutrients
Business Management
Animal Nutrition 1
Applied Biostatistics
Genetics and Biotechnology
Soil Science Basis
Agricultural Microbiology
Applied Plant Biology
Principles of Crop Science
Agricultural Biochemistry
Electives

STAGE FOUR*

Subject Areas

Animal Reproduction
Animal Breeding 1
Animal Genomics
Food Microbiology
Professional Communications
Agri-Environmental Issues & Policy
Animal Nutrition II
Food & Agricultural Policy
Electives

* *Subject to annual curriculum development*

Programme Title

FOOD AND AGRIBUSINESS MANAGEMENT TEAGASC/IT TRANSFER MAJOR (FAS2)

STAGE TWO*

Subject Areas
Agricultural Economics and Business
Agricultural Microbiology
Applied Biostatistics
Applied Economic Analysis
Chemistry
Business Management
Health, Welfare and Safety in Agriculture
Principles of Animal Science
Principles of Crop Science
Food & Agribusiness Marketing
Electives

STAGE THREE*

Subject Areas
Spreadsheet Modelling
Principles of Meat Science
Financial Planning and Control
Introduction to Econometrics
Food Chain Integrity
Professional Work Experience
Electives

STAGE FOUR*

Subject Areas
Food and Agribusiness Strategy
International Food Marketing
Farm Business Management
Social Research Methods
Food & Agricultural Policy
Professional Communications
Enterprise Development
IT and E-Business
Agri-Environmental Economics
Main Project
Electives

**Subject to annual curriculum development*

Section 9

Progression to the Honours BAgSc Degree for holders of BSc in Agriculture

Candidates who have obtained, or who will obtain, an ordinary level BSc in Agriculture with **Distinction/Merit**, may be eligible to apply for admission to the BAgSc Food and Agribusiness Management programme option.

Progression may be possible into **stage three** of the honours BAgSc Food and Agribusiness Management programme option, subject to the availability of places. An outline of the Food and Agribusiness Management Transfer programme follows.

Application for progression to the BAgSc Food and Agribusiness Management programme option is made to UCD Registry Admissions through www.ucd.ie/apply. Application for entry in 2015 should be made **no later than 1st July 2015**.

The following colleges/institutes of technology offer the Bachelor of Science degree programmes in Agriculture:

- ❖ **Ballyhaise Agricultural College/Dundalk Institute of Technology (DK685/DKA80)**
- ❖ **Clonakilty Agricultural College/Cork Institute of Technology (CR010)**
- ❖ **Teagasc Kildalton College/Waterford Institute of Technology (WD126)**
- ❖ **Mountbellew Agricultural College/Galway - Mayo Institute of Technology (GA777* & GA172*)**

***GA777 is also known as the Bachelor of Science in Agriculture and Environmental Management.**

***GA172 is also known as the Bachelor of Business in Rural Enterprise and Agribusiness.**

For further information please contact:

UCD Registry Admissions

University College Dublin
Telephone: 01 716 1608
E-mail: admissions@ucd.ie

UCD Agriculture and Food Science Programme Office

University College Dublin
Telephone: 01 716 7194
E-mail: agandfoodprogrammes@ucd.ie

Programme Title

FOOD AND AGRIBUSINESS MANAGEMENT TWO-YEAR TRANSFER MAJOR (FAS3)

STAGE THREE*

Subject Areas
Spreadsheet Modelling
Principles of Meat Science
Financial Planning and Control
Introduction to Econometrics
Food Chain Integrity
Agricultural Economics & Business
Professional Work Experience

STAGE FOUR*

Subject Areas
Food and Agribusiness Strategy
International Food Marketing
Farm Business Management
Social Research Methods
Food & Agricultural Policy
Professional Communications
Agri-Environmental Economics
IT & E-Business
Enterprise Development
Main Project
Electives

* *Subject to annual curriculum development*

Section 10

Progression to the Honours BAgrSc Degree for holders of the Ordinary BSc in Agricultural Science (WD078)

Candidates who have obtained, or who will obtain the ordinary BSc in Agricultural Science/National Diploma in Science in Agricultural Science with **Distinction/Merit** are eligible to apply for admission to the following honours BAgrSc programme options:

- ❖ BAgrSc (Animal and Crop Production)
- ❖ BAgrSc (Animal Science)
- ❖ BAgrSc (Animal Science – Equine)
- ❖ BAgrSc (Food and Agribusiness Management)
- ❖ BAgrSc (Agri-Environmental Sciences)
- ❖ BAgrSc (Engineering Technology)
- ❖ BAgrSc (Horticulture, Landscape and Sportsturf Management)

Progression may be possible into **stage three** of the relevant BAgrSc programme options, subject to the availability of places. A summary of the relevant BAgrSc Transfer programme options are attached.

Application for progression to the BAgrSc programme is made to UCD Registry Admissions through www.ucd.ie/apply. Application for entry in 2015 should be made **no later than 1st July 2015**.

The **Waterford Institute of Technology** offers the BSc in Agricultural Science/National Diploma in Science in Agricultural Science (**WD078**).

For further information please contact:

UCD Registry Admissions

University College Dublin
Telephone: 01 716 1608
E-mail: admissions@ucd.ie

UCD Agriculture and Food Science Programme Office

University College Dublin
Telephone: 01 716 7194
E-mail: agandfoodprogrammes@ucd.ie

Programme Title

ANIMAL AND CROP PRODUCTION WIT TRANSFER MAJOR (CPS1)

STAGE THREE*

Subject Areas
Animal Breeding I
Plant Diseases: Biology & Control
Animal Reproduction
Pests and Parasites
Professional Work Experience
Soil Science Applications
Electives

STAGE FOUR*

Subject Areas
Ruminant and Non Ruminant Animal Production
Cereal Production
Crop Production
Farm Business Management
Food and Agricultural Policy
Grass & Forage Production
Animal Nutrition II
Professional Communications
Electives

* *Subject to annual curriculum development*

Programme Title

ANIMAL SCIENCE WIT TRANSFER MAJOR (ANS1)

STAGE THREE*

Subject Areas
Animal Breeding I
Animal Genomics
Agri-Environmental Issues and Policy
Animal Physiology
Animal Reproduction
Experimental Design & Data Analysis
Food Microbiology
Electives
Professional Work Experience

STAGE FOUR*

Subject Areas
Farm Business Management
Ruminant and Non Ruminant Animal Production
Animal Nutrition II
Principles of Animal Health, Behaviour & Welfare
Food and Agricultural Policy
Professional Communications
Grass and Forage Production
Electives

* *Subject to annual curriculum development*

Programme Title

FOOD AND AGRIBUSINESS MANAGEMENT TWO-YEAR TRANSFER MAJOR (FAS3)

STAGE THREE***Subject Areas**

Introduction to Econometrics
Spreadsheet Modelling
Food Chain Integrity
Principles of Meat Science
Financial Planning and Control
Agricultural Economics & Business
Professional Work Experience

STAGE FOUR***Subject Areas**

Food and Agribusiness Strategy
International Food Marketing
Farm Business Management
Social Research Methods
Food and Agricultural Policy
Professional Communications
Enterprise Development
Agri-Environmental Economics & Policy
Information Technology & E-Business
Main Project
Electives

* *Subject to annual curriculum development*

Programme Title

AGRI-ENVIRONMENTAL SCIENCES WIT TRANSFER MAJOR (ESS4)

STAGE THREE*

Subject Areas
Agrichemicals and the Environment
Scientific Writing and Review
Plant Diseases: Biology
Pests and Parasites
Systems Ecology
Agri-Environmental Issues and Policy
Professional Work Experience
Soil Science Basics
Wastes Policy & Management
Electives

STAGE FOUR*

Subject Areas
EIA & SEA
Environmental Management
Core Skills for Research
Research Project
<i>A selection of the following modules:</i>
Wildlife Management
Epidemiology and Zoonoses
Pest Management
Nutrient Management
Environmental Biotechnology
Grass & Forage Production
Electives

* *Subject to annual curriculum development*

Programme Title

ENGINEERING TECHNOLOGY WIT TRANSFER MAJOR (ETS1)

STAGE THREE*

Subject Areas

Financial Planning and Control

Quantitative Risk Assessment

A selection of the following:

Bioprocess Engineering Principles

Biofuels & Bioenergy Resources

Power and Machinery Systems I

GIS and Remote Sensing

Soil Engineering

Experimental Project

Waste Management

Spreadsheet Modelling

STAGE FOUR*

Subject Areas

Major Project

A selection of the following:

Life Cycle Assessment

Environmental Engineering

Buildings & Environment

Food Chain Integrity

Food Process Technology

Power and Machinery Systems II

Air Pollution

Biosystems Engineering Capstone Project

** Subject to annual curriculum development*

Programme Title

HORTICULTURE, LANDSCAPE AND SPORTSTURF MANAGEMENT WIT TRANSFER MAJOR (HLS2)

STAGE THREE*

Subject Areas

Biology
Chemistry
Mathematics
Physics
Agricultural Economics & Business
Horticulture, Landscape and Sportsturf Management
Electives

STAGE FOUR*

Subject Areas

Chemistry of Macronutrients
Agricultural Microbiology
Applied Plant Biology
Elective Modules
Enterprise Development
Professional Communications
Research Project
Applied Biostatistics
Sportsturf Management
Soil Science Basics

* *Subject to annual curriculum development*

Section 11

Progression to the Honours BAgrSc Degree for holders of the BSc in Forest Management and Environment (GA474)

Candidates who have obtained, or who will obtain the BSc in Forest Management and Environment, with **Distinction/Merit**, are eligible to apply for admission to the BAgrSc Forestry programme option.

Progression may be possible into **stage three** of the BAgrSc Forestry programme option, subject to the availability of places. A summary of the relevant Forestry GMIT Transfer programme option follows.

Application for progression to the BAgrSc Forestry programme is made to UCD Registry Admissions through www.ucd.ie/apply. Application for entry in 2015 should be made **no later than 1st July 2015**.

The **Galway-Mayo Institute of Technology** offers the BSc in Forest Management and Environment (GA474).

For further information please contact:

UCD Registry Admissions

University College Dublin
Telephone: 01 716 1608
E-mail: admissions@ucd.ie

UCD Agriculture and Food Science Programme Office

University College Dublin
Telephone: 01 716 7194
E-mail: agandfoodprogrammes@ucd.ie

Programme Title

FORESTRY GMIT TRANSFER MAJOR (FOS1)

STAGE THREE*

Subject Areas
Elective Modules
Forest Establishment
Forest Harvesting
GIS and Forest Sampling
Forest Management
Forest Protection
Professional Work Experience
GIS and Remote Sensing
Silviculture of Forest Stands
Wood Science

STAGE FOUR*

Subject Areas
Elective Modules
GIS and Experimental Design
GIS and Forest Inventory
Forest Management Plan
Forest Planning
Research Project
Sustainable Forest Management Assessment

* *Subject to annual curriculum development*

Section 12

Progression to the Honours BAgrSc Degree for holders of the BSc in Forestry (WD076)

Candidates who have obtained, or who will obtain the ordinary level BSc in Forestry, with **Distinction/Merit**, are eligible to apply for admission to the BAgrSc Forestry programme option.

Progression may be possible into **stage three** of the BAgrSc Forestry programme option, subject to the availability of places. A summary of the relevant Forestry WIT Transfer programme option follows.

Application for progression to the BAgrSc Forestry programme option is made to UCD Registry Admissions through www.ucd.ie/apply. Application for entry in 2015 should be made **no later than 1st July 2015**.

The **Waterford Institute of Technology** offers the BSc in Forestry (WD076).

For further information please contact:

UCD Registry Admissions

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Telephone: 01 716 1608
E-mail: admissions@ucd.ie

UCD Agriculture and Food Science Programme Office

University College Dublin
Telephone: 01 716 7194
E-mail: agandfoodprogrammes@ucd.ie

Programme Title

FORESTRY WIT TRANSFER PROGRAMME OPTION (FOS1)

STAGE THREE*

Subject Areas
Elective Modules
Forest Establishment
Forest Harvesting
GIS and Forest Sampling
Forest Management
Forest Protection
Professional Work Experience
GIS and Remote Sensing
Silviculture of Forest Stands
Wood Science

STAGE FOUR*

Subject Areas
Elective Modules
GIS and Experimental Design
GIS and Forest Inventory
Forest Management Plan
Forest Planning
Research Project
Sustainable Forest Management Assessment

* *Subject to annual curriculum development*

Section 13

Progression to the Honours BAgSc Degree for Holders of the BSc in Horticulture

Candidates who have obtained, or who will obtain the ordinary level BSc in Horticulture, with **Distinction/Merit**, are eligible to apply for admission to the honours BAgSc Horticulture, Landscape & Sportsturf Management programme option.

Progression may be possible into **stage three** of the BAgSc Horticulture, Landscape & Sportsturf Management programme option, subject to the availability of places. A summary of the relevant Horticulture, Landscape and Sportsturf Management Transfer programme option follows.

Application for progression to the BAgSc Horticulture, Landscape & Sportsturf Management is made to UCD Registry Admissions through www.ucd.ie/apply. Application for entry in 2015 should be made **no later than 1st July 2015**.

The following institutes of technology/colleges offer the BSc/National Diploma in Horticulture:

- ❖ **Waterford Institute of Technology - Kildalton College (WD096)**
- ❖ **Waterford Institute of Technology - College of Amenity Horticulture, National Botanic Gardens (WD097)**
- ❖ **Institute of Technology, Blanchardstown - College of Amenity Horticulture, National Botanic Gardens**
- ❖ **Institute of Technology, Blanchardstown - Salesian Horticultural College, Warrenstown**

For further information please contact:

UCD Registry Admissions

University College Dublin
Telephone: 01 716 1608
E-mail: admissions@ucd.ie

UCD Agriculture and Food Science Programme Office

University College Dublin
Telephone: 01 716 7194
E-mail: agandfoodprogrammes@ucd.ie

Programme Title

HORTICULTURE, LANDSCAPE AND SPORTSTURF MANAGEMENT ITB/WIT TRANSFER MAJOR (HLS2)

STAGE THREE*

Subject Areas
Agricultural Economics and Business
Biology
Chemistry
Horticulture, Landscape and Sportsturf Management
Mathematics
Physics
Electives

STAGE FOUR*

Subject Areas
Chemistry of Macronutrients
Agricultural Microbiology
Applied Plant Biology
Elective Modules
Enterprise Development
Professional Communications
Research Project
Applied Biostatistics
Sportsturf Management
Soil Science Basics

* *Subject to annual curriculum development*

Section 14

Progression to the Honours BAgrSc Degree for holders of the BE in Agricultural Engineering (TL744)

Candidates who have obtained, or who will obtain the BE in Agricultural Engineering, with **Distinction/Merit**, are eligible to apply for admission to the honours BAgrSc Engineering Technology programme option.

Progression may be possible into **stage three** of the BAgrSc Engineering Technology programme option, subject to the availability of places. A summary of the relevant Engineering Technology ITT Transfer programme option follows.

Application for progression to the BAgrSc Engineering Technology programme option is made to UCD Registry Admissions through www.ucd.ie/apply. Application for entry in 2015 should be made **no later than 1st July 2015**.

The **Institute of Technology, Tralee**, offers the BE in Agricultural Engineering (TL744).

For further information please contact:

UCD Registry Admissions

University College Dublin
Telephone: 01 716 1608
E-mail: admissions@ucd.ie

UCD Agriculture and Food Science Programme Office

University College Dublin
Telephone: 01 716 7194
E-mail: agandfoodprogrammes@ucd.ie

Programme Title

ENGINEERING TECHNOLOGY ITT TRANSFER MAJOR (ETS1)

STAGE THREE*

Subject Areas

Spreadsheet Modelling

Financial Planning and Control

Quantitative Risk Assessment

A selection of Option and Elective modules including:

Bioprocess Engineering Principles

Waste Management

Biofuels & Renewable Energies

GIS & Remote Sensing

Power and Machinery Systems I

Soil Engineering

Unit Ops in Bioprocess Eng

STAGE FOUR*

Subject Areas

Major Project

Food Refrigeration Systems

Food Quality & Safety Assurance

Precision Agriculture

Environmental Engineering

Buildings for Animal Production

Air Pollution

Power and Machinery Systems II

Food Process Engineering

A selection of Option and Elective modules including:

EIA & SEA

Forest Roads & Timber Transport

Operations and Personnel Management

Fundamentals of Arable Crop Production

Forest Harvesting

** Subject to annual curriculum development*

For further information please contact:**UCD Registry Admissions**

University College Dublin

Telephone: 01 716 1608

E-mail: admissions@ucd.ie**UCD Agriculture and Food Science Programme Office**

University College Dublin

Telephone: 01 716 7194

E-mail: agandfoodprogrammes@ucd.ie