

## Structured PhD in Organic and Pharmaceutical Chemistry.

NFQ Level 10, Major Award

The PhD is a full time programme of four years duration from the date of first registration of the candidates - applies automatically if mandated by a funding agency. For UCC policy on the structured PhD, see: <https://www.ucc.ie/en/study/postgrad/currentresearchstudents/programmes/>

The possibility of a three year arrangement (although unlikely) is not excluded for self-funded individuals, if judged to be appropriate by the research supervisor.

Students will normally take the five mandatory modules indicated:

CM6101 : Postgraduate Organic & Pharmaceutical Chemistry Problem Solving Presentations 1

CM7002 : Postgraduate Organic & Pharmaceutical Chemistry Problem Solving Presentations 2

CM7003 : Postgraduate Organic & Pharmaceutical Chemistry Problem Solving Presentations 3

CM7006 : Postgraduate Organic & Pharmaceutical Chemistry Problem Solving Presentations 4

CM7007 : Spectroscopic Methods for Organic and Pharmaceutical Chemistry Research

With the agreement of the research supervisor additional modules can be taken subject to any limits at University level (See <https://ucc-ie-public.courseleaf.com/modules/>).

Elective plus mandatory module choice will not exceed 30 credits over the four-year PhD programme in line with the University regulations.

Additional modules taken either for credit or on a voluntary basis (agreement of the supervisor is required and no formal credit will be given) cannot be offset against the time required for laboratory-based research. Research supervisors may prescribe additional modules to address any areas of development based on the background and experience of the student. Assignment of additional modules in these circumstances will be decided with the involvement of the student and the research supervisor/supervisory team (as appropriate) early in the first year of the PhD.

It is the responsibility of the student to register for the appropriate modules at the beginning of each PhD year.

Entry to the Structured PhD in Organic and Pharmaceutical Chemistry will be based on the relevant university procedures and requirements in operation at the time of application for admission to the programme.

Admission to the programme carries no obligation either on the part of the University or the research supervisor to provide financial support by way of a stipend to the student. Award of the PhD will be based on the established criteria and relevant examination procedures, as per UCC guidelines.

### **Examinations**

Full details of regulations governing examinations for doctoral programmes are contained in the Graduate Studies Policy on *Procedures for Submission and Examination of Theses for PhD Degrees*.

See also the Graduate Studies policy on *Policy on Viva Voce Examination for Research Students*.

## **Programme**

### **YEAR 1**

Students take 90 credits as follows:

Core module: CM6101 (5 credits).

Research: 85 credits.

### **YEAR 2**

Students take 90 credits as follows:

Core modules: CM7002 (5 credits) and CM7007 (5 credits).

Research: 80 credits.

### **YEAR 3**

Students take 90 credits as follows:

Core module: CM7003 (5 credits) plus possibly **one** additional module (5 credits) from the relevant CM and PG modules available – module choice to be decided in conjunction with the research supervisor at the beginning of the PhD 3 year.

Research: 80 or 85 credits

## **YEAR 4**

Students take 90 credits as follows:

Core module: CM7006 (5 credits).

Research: 85 credits.

### **Optional modules**

CM7005 Theory and Application of Computational Chemistry

CM7004 Postgraduate Internship in Pharmaceutical Sector

PG7014 Creativity and Innovation for Research Students

*CM7004, CM7005, CM7007 and PG7014 can only be taken if available – they are not available every year.*

Professor A.R. Maguire, Dr T O'Sullivan.

29th April 2025