

## Profile of Modules Available to UCD School of Chemistry Postgraduate Students

Contact the relevant Module Coordinator for further details of module content, delivery location, timetable, etc.

For Module Registration, please download and complete a [Module Registration Form](#) and submit to Ciara Darker in the School Office.

### Technical Modules (UCD School of Chemistry)

Module Coordinator Approval is **not required** on the Module Registration Form for UCD Chemistry postgrads.

<i>Module Code</i>	<i>Module Title</i>	<i>Credits</i>	<i>Module Coordinator</i>	<i>Semester</i>
CHEM40210	Comprehensive X-ray Crystallography	2.5	<a href="mailto:helge.muellerbunz@ucd.ie">helge.muellerbunz@ucd.ie</a>	3
CHEM40360	Synthesis of Pharmaceutical Compounds	5	<a href="mailto:mike.casey@ucd.ie">mike.casey@ucd.ie</a>	3
CHEM40370	Advanced NMR	5	<a href="mailto:patrick.guiry@ucd.ie">patrick.guiry@ucd.ie</a>	2
CHEM41300	Mass Spectrometry for Chemical & Biochemical Research	2.5	<a href="mailto:paul.evans@ucd.ie">paul.evans@ucd.ie</a>	1

### Technical Modules (TCD School of Chemistry)

Module Coordinator Approval is **not required** on the Module Registration Form for UCD Chemistry postgrads.

<i>Module Code</i>	<i>Module Title</i>	<i>Credits</i>	<i>Module Coordinator</i>	<i>Semester</i>
CHEM40240	Spectroscopic Techniques	2.5	<a href="mailto:susan.quinn@ucd.ie">susan.quinn@ucd.ie</a>	TBC
CHEM40400	Carbohydrate Chemistry	2.5	<a href="mailto:stefan.oscarson@ucd.ie">stefan.oscarson@ucd.ie</a>	2
CHEM40450	Surface Science & Technology	5	<a href="mailto:gareth.redmond@ucd.ie">gareth.redmond@ucd.ie</a>	1
CHEM40580	Dublin Chemistry Surface Physics	5	<a href="mailto:gareth.redmond@ucd.ie">gareth.redmond@ucd.ie</a>	2
CHEM40850	Introduction to TEM	5	<a href="mailto:gareth.redmond@ucd.ie">gareth.redmond@ucd.ie</a>	2
CHEM40910	Quantum Molecular Modelling	5	<a href="mailto:gareth.redmond@ucd.ie">gareth.redmond@ucd.ie</a>	1
CHEM40920	Translational Research in Aids	2.5	<a href="mailto:declan.gilheany@ucd.ie">declan.gilheany@ucd.ie</a>	1

### Other Technical Modules (UCD)

UCD postgraduate students may register to the following modules. Module Coordinator Approval **is required**, i.e., signature on the Module Registration Form (or an email from the Module Coordinator to confirm permission).

<i>Module Code</i>	<i>Module Title</i>	<i>Credits</i>	<i>Module Coordinator</i>	<i>Semester</i>
CHEN40510	Advanced Characterisation Technology	5	<a href="mailto:ian.reid@ucd.ie">ian.reid@ucd.ie</a>	2
CNWX40090	Introduction to 'Omic' & Advanced Imaging Technologies	5	<a href="mailto:matthias.wilm@ucd.ie">matthias.wilm@ucd.ie</a>	2 & 3
CNWX40110	Molecular Neuroimmunology	5	<a href="mailto:derek.costello@ucd.ie">derek.costello@ucd.ie</a>	2
CNWX41130	Data Analysis for Biological Scientists	2.5	<a href="mailto:matthias.wilm@ucd.ie">matthias.wilm@ucd.ie</a>	2
MEEN40180	Nanomaterials	5	<a href="mailto:denis.dowling@ucd.ie">denis.dowling@ucd.ie</a>	2
PHYC40560	Advanced Atomic Force Microscopy	5	<a href="mailto:brian.rodriquez@ucd.ie">brian.rodriquez@ucd.ie</a>	1
PHYC40480	Biophysics at the Nanoscale	5	<a href="mailto:dominic.zerulla@ucd.ie">dominic.zerulla@ucd.ie</a>	2
PHYC40490	Biomimicry – Learning from Nature	2.5	<a href="mailto:brian.rodriquez@ucd.ie">brian.rodriquez@ucd.ie</a>	2
PHYC40520	Bio-fluid Mechanics	2.5	<a href="mailto:vladimir.lobaskin@ucd.ie">vladimir.lobaskin@ucd.ie</a>	2

## Profile of Modules Available to UCD School of Chemistry Postgraduate Students

### Transferable Skills Modules (UCD School of Chemistry)

Module Coordinator Approval is **not required** on the Module Registration Form for UCD Chemistry postgrads.

<i>Module Code</i>	<i>Module Title</i>	<i>Credits</i>	<i>Module Coordinator</i>	<i>Semester</i>
CHEM40160	Chemistry Seminar Programme I	2.5	<a href="mailto:grace.morgan@ucd.ie">grace.morgan@ucd.ie</a>	Full year
CHEM40280	Chemistry Seminar Programme II	2.5	<a href="mailto:grace.morgan@ucd.ie">grace.morgan@ucd.ie</a>	Full year
CHEM40340	Graduate Teaching Assistant	5	<a href="mailto:declan.gilheany@ucd.ie">declan.gilheany@ucd.ie</a>	1
CHEM40350	Chem Lab to Commercial Application	2.5	<a href="mailto:declan.gilheany@ucd.ie">declan.gilheany@ucd.ie</a>	3
CHEM40520	Chemistry Seminar Programme III	2.5	<a href="mailto:grace.morgan@ucd.ie">grace.morgan@ucd.ie</a>	Full year
CHEM40860*	Chemistry Outreach	5	<a href="mailto:tony.keene@ucd.ie">tony.keene@ucd.ie</a>	Full year
CHEM50030	Chemistry 3 <sup>rd</sup> Year PhD Presentation	2.5	<a href="mailto:declan.gilheany@ucd.ie">declan.gilheany@ucd.ie</a>	2

\*Module Coordinator Approval is **required**; students must also complete the Garda Vetting Process *via* UCD HR.

### Transferable Skills Modules (UCD College of Science)

Contact [ciara.darker@ucd.ie](mailto:ciara.darker@ucd.ie) for details on how to register to these modules.

<i>Module Code</i>	<i>Module Title</i>	<i>Credits</i>	<i>Indicative Timetable</i>	<i>Semester</i>
SCI50010	Online Research Skills	5	1 or 2 or 3	SCI50010
SCI50020	Research Integrity Online	5	1 or 2 or 3	SCI50020
SCI50030	Academic Writing for Science for Postgraduate Students	5	1	SCI50030

### Transferable Skills Modules (UCD Innovation Academy)

A range of credit-bearing modules are available to UCD postgraduate students who wish to enhance their research communication skills, their ability to identify opportunities, and their ability to generate and develop ideas of value. Participants learn in a highly experiential environment and have an opportunity to work collaboratively across disciplines and link with industry as part of their work. See <http://www.innovators.ie/phd-modules/>.

<i>Module Code</i>	<i>Module Title</i>	<i>Credits</i>	<i>Indicative Timetable</i>	<i>Semester</i>
IA40280	Exploring Intellectual Property	5	30 <sup>th</sup> Oct to 2 <sup>nd</sup> Nov 2018	1
IA40310	Creative Thinking & Innovation	5	3 <sup>rd</sup> to 7 <sup>th</sup> Dec 2018	1
IA40120	Opportunity Generation & Recognition	5	Feb 2019	2
IA40310	Creative Thinking & Innovation	5	Apr 2019	2
IA40250	Social Entrepreneurship	5	May 2019	3
IA40350	Host Project Sprint	5	Jun 2019	3

### Transferable Skills Training and Other Useful Resources (UCD Graduate Studies)

Useful short courses and workshops (non-credit-bearing) are available to support UCD postgraduate students, e.g., PhD Masterclass, PhD@UCD, Using Mind Maps in Your Research, Working with Your Supervisor, Presentation Skills, Viva Preparation, etc. See <http://www.ucd.ie/graduatestudies/researchprogrammes/transferableskillstraining/>