

REGISTRATION

All optional modules are offered subject to the constraints of the timetable and to any restrictions on the number of students who may be taught on a particular module. Not all modules may be offered in all years and they are listed subject to availability.

A compulsory module is a module which a student is required to study.

Module Number	Module Title	Module Leader	Credits	Semester	
CHY1101	Basic Organic Chemistry	JGK	20	1	2
CHY1102	Fundamentals of Biological and Medicinal Chemistry	EMT	10	1	
CHY1201	Elements of Physical Chemistry	BRH	20		2
CHY1202	Fundamentals of Chemistry	AHa	10	1	
CHY1301	Structural and Inorganic Chemistry	RAH	20	1	2
CHY1401	Data Handling in Chemistry	RAH	20		2
CHY2001	Group Assignment in Chemistry or Medicinal Chemistry	JGK	20	1	2
CHY2003	Topics in Chemistry	EMT	10	1	
CHY2101	Organic Chemistry	DAF	20	1	2
CHY2102	Bioactive Natural Products	MAC	10		2
CHY2103	Medicinal Chemistry and Drug Design	CC	10	1	
CHY2201	Physical Chemistry	BRH	20		2
CHY2301	Inorganic Chemistry	KJI	20	1	2
CHY2401	Structural Chemistry	ACB	20	1	
CHY3001	Advanced Practical Chemistry	SD	40	1	2
CHY3003	Chemistry Project	CB	20	1	
CHY3004	Chemistry Project	CB	20		2
CHY3006	Chemistry Project	CB	20	1	2
CHY3007	Chemical Biology	EMT	10		2
CHY3101	Advanced Organic Chemistry	MJH	20	1	2
CHY3102	Chemical Toxicology	CB	10	1	
CHY3103	Chemotherapy	RJG	10		2
CHY3105	Advanced Organic Chemistry (DL)	MJH	20	1	2
CHY3201	Advanced Physical Chemistry	AHa	20	1	
CHY3301	Advanced Inorganic Chemistry	AHo	20		2
CHY3305	Advanced Inorganic Chemistry (DL)	AHo	20	1	2
CHY3401	Problem Solving A	RAH	10	1	

CHY3402	Problem Solving B	RAH	10		2
CHY8310	Research Project in Industry	JGK	80	1	2
CHY8311	Research Project	JGK	80	1	2
CHY8410	Research Preparation	CB	10	1	
CHY8411	Research Project (60)	JGK	60	1	2
Module Number	Module Title	Module Leader	Credits	Semester	
CHY8412	Research Project (40)	JGK	40	1	2
CHY8420	Organic Synthesis for Drug Targets	JGK	10		2
CHY8421	Advanced Methods in Drug Discovery	IRH	10	1	
CHY8422	Further Inorganic Chemistry	MJH	10	1	
CHY8423	Advanced Topics in Contemporary Physical Chemistry	AHa	10		2
CHY8424	Catalyst Application and Design	SD	10	1	
CHY8425	Further Inorganic Chemistry	KJI	10		2
CHY8426	Functional Molecules	AHa	10		2
CHY8430	Advanced Problem Solving	JGK	10		2

STAGE 4

Students studying the following programmes:

F103 MChem Chemistry

- All candidates shall take the following compulsory modules:

<i>Code</i>	<i>Descriptive title</i>	<i>Total Credits</i>	<i>Credits Sem 1</i>	<i>Credits Sem 2</i>
CHY8410	Research Preparation	10	10	
CHY8411	Research Project (60)	60	30	30
CHY8430	Advanced Problem Solving	10		10

- All candidates shall take 40 credits of optional modules normally selected from the following list:

<i>Code</i>	<i>Descriptive title</i>	<i>Total Credits</i>	<i>Credits Sem 1</i>	<i>Credits Sem 2</i>
CHY8420	Organic Synthesis for Drug Targets	10		10
CHY8421	Advanced Methods in Drug Discovery	10	10	
CHY8422	Further Organic Chemistry	10	10	
CHY8423	Advanced Topics in Contemporary Physical Chemistry	10		10
CHY8424	Catalyst Application and Design	10	10	
CHY8425	Further Inorganic Chemistry	10		10
CHY8426	Functional Molecules	10		10

Some of these modules will not be available every year and are subject to demand. With the approval of the Degree Programme Director alternative optional modules to those listed above may be selected to the value of 10 credits.

Students studying the following programmes:

F105 MChem Chemistry with Study in North America

F106 MChem Chemistry with Industrial Training

F107 Chemistry with Study in Europe

- All candidates shall take the following compulsory modules:

<i>Code</i>	<i>Descriptive title</i>	<i>Total Credits</i>	<i>Credits Sem 1</i>	<i>Credits Sem 2</i>
CHY3201	Advanced Physical Chemistry	20	20	
CHY3401	Problem Solving A	10	10	
CHY3402	Problem Solving B	10		10
CHY8410	Research Preparation	10	10	
CHY8412	Research Project (40)	40	10	30

- All candidates shall take 30 credits of optional modules normally selected from the following list:

<i>Code</i>	<i>Descriptive title</i>	<i>Total Credits</i>	<i>Credits Sem 1</i>	<i>Credits Sem 2</i>
CHY8420	Organic Synthesis for Drug Targets	10		10
CHY8421	Advanced Methods in Drug Discovery	10	10	
CHY8422	Further Organic Chemistry	10	10	
CHY8423	Advanced Topics in Contemporary Physical Chemistry	10		10
CHY8424	Catalyst Application and Design	10	10	
CHY8425	Further Inorganic Chemistry	10		10
CHY8426	Functional Molecules	10		10

Some of these modules will not be available every year and are subject to demand. With the approval of the Degree Programme Director alternative optional modules to those listed above may be selected to the value of 10 credits.

Students studying the following programme:

F123 MChem Chemistry with Medicinal Chemistry

- All candidates shall take the following compulsory modules:

<i>Code</i>	<i>Descriptive title</i>	<i>Total Credits</i>	<i>Credits Sem 1</i>	<i>Credits Sem 2</i>
CHY8410	Research Preparation	10	10	
CHY8411	Research Project (60)	60	30	30
CHY8430	Advanced Problem Solving	10		10
CHY8421	Advanced Methods in Drug Discovery	10	10	

- All candidates shall take 20 credits of optional modules normally selected from the following list:

<i>Code</i>	<i>Descriptive title</i>	<i>Total Credits</i>	<i>Credits Sem 1</i>	<i>Credits Sem 2</i>
CHY8420	Organic Synthesis for Drug Targets	10		10
CHY8422	Further Organic Chemistry	10	10	
CHY8423	Advanced Topics in Contemporary Physical Chemistry	10		10
CHY8424	Catalyst Application and Design	10	10	
CHY8425	Further Inorganic Chemistry	10		10
CHY8426	Functional Molecules	10		10

Students studying the following programme:

F124 MChem Chemistry with Medicinal Chemistry with Industrial Training

- All candidates shall take the following compulsory modules:

<i>Code</i>	<i>Descriptive title</i>	<i>Total Credits</i>	<i>Credits Sem 1</i>	<i>Credits Sem 2</i>
CHY3007	Chemical Biology	10		10
CHY3102	Chemical Toxicology	10	10	
CHY3103	Chemotherapy	10		10
CHY8410	Research Preparation	10	10	
CHY8412	Research Project	40	10	30
CHY3401	Problem Solving A	10	10	
CHY8412	Advanced Methods in Drug Discovery	10	10	

- All candidates shall take 20 credits of optional modules normally selected from the following list:

<i>Code</i>	<i>Descriptive title</i>	<i>Total Credits</i>	<i>Credits Sem 1</i>	<i>Credits Sem 2</i>
CHY8420	Organic Synthesis for Drug Targets	10	10	
CHY8422	Further Organic Chemistry	10		10
CHY8424	Catalyst Application and Design	10		10
CHY8425	Further Inorganic Chemistry	10	10	

Some of these modules will not be available every year and are subject to demand. With the approval of the Degree Programme Director alternative optional modules to those listed above may be selected to the value of 10 credits.