

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 3

All students should:

- take 120 credits which are normally divided 60:60 over the two semesters although 50:70 and 70:50 distributions are permissible.
- seek approval from the degree programme director if they wish to take other modules that are not listed as options for them.

Students studying the following programmes:

F100 BSc Chemistry

F102 BSc Chemistry with Industrial Training Year

- 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>
CHY3001	Advanced Practical Chemistry	40	20	20
CHY3101	Advanced Organic Chemistry	20	10	10
CHY3201	Advanced Physical Chemistry	20	20	
CHY3301	Advanced Inorganic Chemistry	20		20
CHY3401	Problem Solving A	10	10	
CHY3402	Problem Solving B	10		10

- (b) With the permission of the Degree Programme Director students may substitute the Advanced Practical Chemistry module with a Chemistry Project from the list below, and modules available from the University.

<i>Code</i>	<i>Descriptive title</i>	<i>Total Credits</i>	<i>Credits Sem 1</i>	<i>Credits Sem 2</i>
CHY3003	Chemistry Project	20	20	
CHY3004	Chemistry Project	20		20
CHY3006	Chemistry Project	20	10	10

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>
CHY3001	Advanced Practical Chemistry	40	20	20
CHY3101	Advanced Organic Chemistry	20	10	10
CHY3201	Advanced Physical Chemistry	20	20	
CHY3301	Advanced Inorganic Chemistry	20		20
CHY3401	Problem Solving A	10	10	
CHY3402	Problem Solving B	10		10

Students studying the following programmes:

F105 MChem Chemistry with Study in North America (placement year)

F107 MChem Chemistry with Study in Europe (placement year)

- 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>
CHY8311	Research Project Abroad	80	40	40
CHY3105	Advanced Organic Chemistry (Distance Learning)	20	10	10
CHY3305	Advanced Inorganic Chemistry (Distance Learning)	20	10	10

Students studying the following programmes:

F106 MChem Chemistry with Industrial Training Year (placement year)

F124 MChem Medicinal Chemistry with Industrial Training Year (placement year)

- 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>
CHY8310	Research Project in Industry	80	40	40
CHY3105	Advanced Organic Chemistry (Distance Learning)	20	10	10
CHY3305	Advanced Inorganic Chemistry (Distance Learning)	20	10	10

Students studying the following programmes:

F122 BSc Chemistry with Medicinal Chemistry with Industrial Training

F151 BSc 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>
CHY3001	Advanced Practical Chemistry	40	20	20
CHY3007	Chemical Biology	10		10
CHY3101	Advanced Organic Chemistry	20	10	10
CHY3102	Chemical Toxicology	10	10	
CHY3103	Chemotherapy	10		10
CHY3301	Advanced Inorganic Chemistry	20		20
CHY3401	Problem Solving A	10	10	

- (b) With the permission of the Degree Programme Director students may substitute the Advanced Practical Chemistry module with a Chemistry Project from the list below, and modules available from the University.

<i>Code</i>	<i>Descriptive title</i>	<i>Total Credits</i>	<i>Credits Sem 1</i>	<i>Credits Sem 2</i>
CHY3003	Chemistry Project	20	20	
CHY3004	Chemistry Project	20		20
CHY3006	Chemistry Project	20	10	10

Students studying the following programmes:

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>
CHY3001	Advanced Practical Chemistry	40	20	20
CHY3007	Chemical Biology	10		10
CHY3101	Advanced Organic Chemistry	20	10	10
CHY3102	Chemical Toxicology	10	10	
CHY3103	Chemotherapy	10		10
CHY3301	Advanced Inorganic Chemistry	20		20
CHY3401	Problem Solving A	10	10	

Students studying the following programme:

F1N2 BSc Chemistry with Management

- All candidates shall take the following compulsory module:

<i>Code</i>	<i>Descriptive title</i>	<i>Total Credits</i>	<i>Credits Sem 1</i>	<i>Credits Sem 2</i>
CHY3001	Advanced Practical Chemistry	40	20	20

- All candidates shall take 40 or 60 credits of optional modules 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>
CHY3101	Advanced Organic Chemistry	20	10	10
CHY3201	Advanced Physical Chemistry	20	20	
CHY3301	Advanced Inorganic Chemistry	20		20

- All candidates shall take 20 or 40 credits of optional modules 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>
BUS3021	International Human Resource Management	10		10
BUS3022	Strategic Human Resource Management	10	10	
BUS3035	Contemporary Issues in International Business Management	20	10	10

- (b) With the permission of the Degree Programme Director students may substitute the Advanced Practical Chemistry module with a Chemistry Project from the list below, and modules available from the University.

<i>Code</i>	<i>Descriptive title</i>	<i>Total Credits</i>	<i>Credits Sem 1</i>	<i>Credits Sem 2</i>
CHY3003	Chemistry Project	20	20	
CHY3004	Chemistry Project	20		20
CHY3006	Chemistry Project	20	10	10
