Chemistry and Pharmaceutical Chemistry Programme Briefing

Dr Tippu S Sheriff
Director of Teaching and Learning

Queen Mary University of London
Science and Engineering

Chemistry@QMUL
Are you in the right place?

Chemistry and Pharmaceutical Chemistry programmes:

<table>
<thead>
<tr>
<th>Code</th>
<th>Programme</th>
</tr>
</thead>
<tbody>
<tr>
<td>F100</td>
<td>BSc Chemistry</td>
</tr>
<tr>
<td>F103</td>
<td>MSci Chemistry</td>
</tr>
<tr>
<td>F154</td>
<td>BSc Pharmaceutical Chemistry</td>
</tr>
<tr>
<td>F152</td>
<td>MSci Pharmaceutical Chemistry</td>
</tr>
<tr>
<td>9A32</td>
<td>BSc Chemistry with a Year in Industry/Research</td>
</tr>
<tr>
<td>2L22</td>
<td>BSc Pharmaceutical Chemistry with a Year in Industry/Research</td>
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<tr>
<td>F10Y/F15Y</td>
<td>BSc Chemistry/Pharmaceutical Chemistry with a Year Abroad</td>
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</tbody>
</table>
Undergraduate Programmes

- The Department of Chemistry has 2 UG programme streams Chemistry and Pharmaceutical Chemistry, as BSc or MSci degrees, each with a variety of options to give a total of 12 different programmes.
- All programmes are accredited by the Royal Society of Chemistry (RSC).
Department of Chemistry at QMUL

East London College ca. 1890

Chemistry has been taught on the Mile End site since 1887, with a brief interruption in WWII when the Department located to Cambridge.

Chemistry consists of ca. 22 academic staff, 7 technical/professional services staff, 9 PDRAs and ca. 50 PhD students in the Joseph Priestley Building.
You are the Best...We are the Best

Congratulate yourself on choosing to study in HE and on gaining entry to one of the top universities in the world!

- QMUL part of the Russell Group.
- QMUL is a leading research-intensive university and was ranked 8th for Impact and 9th for Outputs in REF2021.
- Chemistry top in London for teaching.

Chemistry top in London amongst BIG 4 in 2018/19 and 2019/20

<table>
<thead>
<tr>
<th></th>
<th>The teaching on my course</th>
<th>Learning opportunities</th>
<th>Assessment and feedback</th>
<th>Academic support</th>
<th>Organisation &amp; management</th>
<th>Learning resources</th>
<th>Learning community</th>
<th>Student voice</th>
<th>Overall Satisfaction</th>
</tr>
</thead>
<tbody>
<tr>
<td>QMUL London BIG 4 Ranking</td>
<td>1st</td>
<td>3rd</td>
<td>1st</td>
<td>1st</td>
<td>1st</td>
<td>3rd</td>
<td>1st</td>
<td>1st (joint)</td>
<td>1st</td>
</tr>
<tr>
<td>QMUL</td>
<td>85%</td>
<td>77%</td>
<td>72%</td>
<td>79%</td>
<td>82%</td>
<td>84%</td>
<td>84%</td>
<td>79%</td>
<td>88%</td>
</tr>
<tr>
<td>UCL</td>
<td>82%</td>
<td>80%</td>
<td>64%</td>
<td>71%</td>
<td>67%</td>
<td>86%</td>
<td>75%</td>
<td>79%</td>
<td>79%</td>
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<tr>
<td>ICL</td>
<td>83%</td>
<td>80%</td>
<td>48%</td>
<td>70%</td>
<td>62%</td>
<td>87%</td>
<td>72%</td>
<td>62%</td>
<td>74%</td>
</tr>
<tr>
<td>KCL</td>
<td>71%</td>
<td>73%</td>
<td>49%</td>
<td>74%</td>
<td>50%</td>
<td>78%</td>
<td>82%</td>
<td>75%</td>
<td>73%</td>
</tr>
</tbody>
</table>

- 2022 NSS Overall Satisfaction of 90.4% (1st of BIG 4)
What is the purpose of Welcome Week?

1. Getting to know your Department
2. Getting to know your Advisor and lecturers
3. Getting to know your course
4. Getting to know your fellow students
School of Physical & Chemical Sciences

Dr Lesley Howell  
Director of Education

Prof Peter Hobson  
Head of School

Lorna Ireland  
School Manager

Department of Chemistry

Department of Physics & Astronomy
Department of Chemistry

Dr Isaac Abrahams
Head of Department

Dr Tippu S Sheriff
Director for Teaching and Learning (Chemistry)

Dr Giorgio Chianello
Senior Tutor
Department of Chemistry
School of Physical & Chemical Sciences

Department of Chemistry
Joseph Priestley (JP) Building

GO Jones Building
Administration (1st Floor)
Your 1\textsuperscript{st} Year modules

<table>
<thead>
<tr>
<th>Programme</th>
<th>15</th>
<th>15</th>
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<th>15</th>
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<th>15</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester A &amp; B 100% CW</td>
<td></td>
<td></td>
<td>Semester A Examination</td>
<td></td>
<td>Semester A Examination</td>
<td></td>
<td>Semester A Examination</td>
<td></td>
</tr>
</tbody>
</table>

CHE101 is a CORE module. You cannot progress to the 2\textsuperscript{nd} year unless you pass it. All experiments in CHE101 count towards your mark in CHE101; attendance below 75\% is an automatic fail.
The Academic Year

Y1 Semester A Timetable

http://www.qmul.ac.uk/about/calendar/ Dates are published until 2026
STAFF TEACHING YOUR SEMESTER A MODULES

**CHE100 Essential Skills for Chemists**
- Dr Rachel Crespo-Otero (MO)
- Dr Matteo Palma
- Dr Tippu S Sheriff
- Maths Support Classes

**CHE101 Foundations of Practical Chemistry**
- Dr Lesley Howell (MO)
- Mr Mark Hudson
- Ms Taslema Khanom

**CHE102A Fundamentals of Organic Chemistry**
- Dr Stellios Arseniyadis (MO)
- Dr Giorgio Chianello (MO)

**CHE104 Fundamentals of Spectroscopy**
- Dr Christian B Nielsen (MO)
- Dr Stoichko Dimitrov

**CHE113 Fundamentals of Inorganic Chemistry**
- Dr Cristina Giordano (MO)
- Dr Elham Rezasoltani
Assessment and Feedback

CHE100 & CHE101 (Semester A & B): 100% coursework

CHE102A
CHE104  50% coursework & 50% examination (January)
CHE113
CHE102B
CHE108  50% coursework & 50% examination (May)
CHE114

= $8 \times 15$ credits (per module) = 120 credits per year
The new undergraduate laboratory, a £5.2 million investment in your future (September 2018)
New Chemistry UG Teaching Laboratory
Joseph Priestley Building, QMUL
Laboratory

What should you bring with you:
Normal stationary, calculator plus a marker pen suitable for writing on glass and plastic

Provided

Chemistry@QMUL
Lab Induction/Safety Briefing and Compulsory Quiz
Asynchronous – watch these videos and complete the Quiz before your 1st lab session in Week A1.
Synchronous – Wednesday 28th September, 11:30-12:30, Mason LT, then Joseph Priestley G.22 (ground floor) for PPE.

Lab Skills/Techniques Briefing
Asynchronous – watch these videos before 1st lab session in Week A1.

1st Wet Lab (Week A1, Lab JP G.22)
Thursday 29th September (Group A) or Friday 30th September (Group B)
Check personal timetable or CHE101 QMPlus page for your grouping.
Experiment 1: Discovery Approach to Extraction
Experiment 2: Practical Aspects of IR Spectroscopy
NO SAFETY BRIEFING = NO STARTING IN THE LAB (WEEK A1)
Life in the Department of Chemistry at QMUL

Academic Advisor

- Each student is assigned a personal tutor (Academic Advisor).
- Your advisor will be there to offer help and guidance throughout your time at QMUL.
- Advisors have an administrative, pastoral and teaching role, and will also normally write references when you apply for further degrees or for a job.
- Tutorial based system – groups of 6-9 students runs throughout Y1 and Y2.
Maths Support Classes for those without at least a C in A-level maths.

Wednesdays: 12:00-13:00 in A2, A4-A5, A8, A10-A12, GO Jones UG1
Be formal/professional in ALL communications

“Dr XYZ” or “Professor XYZ”

Please arrange an appointment by email
Don’t turn up unannounced!

Module Coordinator
Examiner
Lecturer
Advisor
Administrator
Line Manager

Researcher
PhD Supervisor

Scholarship

Teacher
Your parents

Chemistry@QMUL
What is your role as student at QMUL?

A. Pilot
B. Navigator
C. Passenger
D. Steward(ess)
Mentimeter

Go to

www.menti.com

and use the code

6293 9377
Royal Society of Chemistry – your professional body!

This academic year the @RoySocChem are waiving the cost of membership for all undergraduate students at RSC accredited institutions #RSC_Scotland

Working to build a larger & more engaged student membership #ChemEd #ChatChemistry

⭐ Students must register by Dec 31st 2021 ⭐

and now 2022!

https://www.rsc.org/membership-and-community/join/
Know where to look!

Check your QMUL e-mail account every day!

Use the Student Handbook

Use QMPlus!

Queen Mary University of London

Chemistry@QM
INFORMATION FOR CHEMISTRY STUDENTS

CHEMISTRY @ QUEEN MARY

Welcome to your Department of Chemistry homepage

This page provides information for students on the following chemistry and pharmaceutical chemistry degree programmes offered by the School of Biological & Chemical Sciences.

LINK TO CHEMISTRY WELCOME WEEK 2021

- F100 BSc in Chemistry (3 years)
- F103 MSc in Chemistry (4 years)
- F184 BSc in Pharmaceutical Chemistry (3 years)
- F152 MSc in Pharmaceutical Chemistry (4 years)

9A22 BSc in Chemistry with a Year in Industry/Research (4 Years)
2122 BSc in Pharmaceutical Chemistry with a Year in Industry/Research (4 Years)

F132 MSc in Pharmaceutical Chemistry with a Year in Industry (3 Years)

All of these programmes are accredited by the Royal Society of Chemistry

CHEMISTRY PROGRAMME STRUCTURE

- F300 BSc Chemistry
- F303 MSc Chemistry
- 9A22 BSc Chemistry with a Year in Industry/Research
- F354 BSc Pharmaceutical Chemistry
- F352 MSc Pharmaceutical Chemistry
- 2122 BSc Pharmaceutical Chemistry with a Year in Industry/Research

SIBCS Module Specifications

COURSE MAPPINGS
Engagement = success

Fig. 2 Year 1 overall mean versus % engagement for the academic years 2017/8 (●) and 2018/9 (●)
Selected by GSK to attend the Residential Chemistry Experience, as one of the 22 best chemistry students in the UK.

Placed Year at GSK
PhD student at Oxford University

Placement Year at Roche in Switzerland
Only UK student selected!

Winner of the SCI UK Undergraduate Research Symposium
Rumintha Thavarajah

Amgen Scholars
Summer Internship 2015
Winner of a Poster Competition at the University of Cambridge

BSc in Chemistry
September 2013 – July 2016
1st Class

BSc Project 2015-6

School of Pharmacy
PhD, September 2016-2022
Getting a degree is a full time JOB!

- 8 modules x 150 h = **1200 h**

- ca. 30 weeks between the start of the academic year and the exams: **40 h per week of study time**!

- Classical term week:
  - 6 h asynchronous activity, 6 h synchronous, 6 h lab = **18 h**
  - **Independent study time: 22 h**
    - Review lecture notes, prepare for lectures
    - Practice: complete exercises and solve problems
    - Prepare for laboratory sessions and complete Results Book
    - Complete assignments
Life in the Department of Chemistry at QMUL

PASS

• Peer Assisted Study Support
• Course-based mentoring scheme
• Run by students for Students
Life in the Department of Chemistry at QMUL

ChemSoc!

- @qm_chemsoc
- https://linktr.ee/Qmchemsoc
- chemistrysociety@qmsu.org
Voluntary work at the University and in the local community

You can volunteer to be

- A student representative for your programme / year
- A student ambassador for chemistry *e.g.* at open days
- Help in outreach activities

The *Festival of Communities* provides children and their families the opportunity to get hands-on with chemistry experiments.

Get involved / SU Societies to increase your employability competences!
Textbooks, Library & Q-Review

• It is highly recommended for you to have a look at the various different textbooks at the library before you buy any – no point in buying a book that is not made for you (you will never open it!).

• Lecturers may recommend textbooks through the year.

• Many books are available as e-books or can be obtained 2nd hand for a fraction of the full price.

• Tours of the Mile End Library are available; go to the Information Point to obtain a ticket. Library briefing as part of CHE100 in Wk A6.

• All synchronous teaching (live lectures) will be recorded and will be available to view from the module homepage on QM+.
Models approved by the school:

Orbit Molecular Modelling Kit: Organic and Inorganic Student Set 0027 by Cochranes of Oxford

Minit Organic and Inorganic Student Set 0073 by Cochranes of Oxford

Available at the bookshop on campus or can also be purchased online.
Advice and guidance

▪ First Point of Contact: Academic Advisor

▪ Chemistry Senior Tutor:
  - Dr Giorgio Chianello: g.Chianello@qmul.ac.uk

▪ Director of Teaching and Learning (Chemistry)
  - Dr Tippu S Sheriff: t.s.sheriff@qmul.ac.uk

▪ SPCS Student Support Officer:
  - Harvey Abraham-Green: h.abrahamgreen@qmul.ac.uk

Meetings can be arranged via an email appointment. Don’t turn up without prior arrangement.
## Welcome Week Timetable

<table>
<thead>
<tr>
<th>Time</th>
<th>Mon 19th Sep</th>
<th>Tues 20th Sep</th>
<th>Wed 21st Sep</th>
<th>Thu 22nd Sep</th>
<th>Fri 23rd Sep</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:30-10:30</td>
<td>Meet &amp; Greet the Education Team&lt;br&gt;09:30 - 10:30&lt;br&gt;SPCS Museum GOJ</td>
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<td>Students' Union&lt;br&gt;Welcome Fair&lt;br&gt;Mile End Campus</td>
<td>Students' Union&lt;br&gt;Welcome Fair&lt;br&gt;Mile End Campus</td>
<td></td>
</tr>
<tr>
<td>10:30-11:30</td>
<td></td>
<td></td>
<td>Introduction to Central Services&lt;br&gt;11:00 - 12:30&lt;br&gt;Mason Lecture Theatre</td>
<td>Find out about clubs and societies, grab freebies and get involved in the SU.</td>
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</tr>
<tr>
<td>11:30-12:30</td>
<td>Chemistry Welcome Talk&lt;br&gt;11:30 - 13:00</td>
<td></td>
<td>Welcome BBQ&lt;br&gt;12:30 - 14:00&lt;br&gt;Godward Square</td>
<td></td>
<td></td>
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<tr>
<td>12:30-13:30</td>
<td>Maths Lecture Theatre</td>
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<tr>
<td>13:30-14:30</td>
<td>Labs Workshop&lt;br&gt;14:00 - 15:30&lt;br&gt;GU Jones Lecture Theatre</td>
<td>Meet your Advisor&lt;br&gt;14:00 - 15:00&lt;br&gt;Joseph Priestley Building</td>
<td></td>
<td>Thu 22nd Sep&lt;br&gt;10:00 - 18:00</td>
<td>Fri 23rd Sep&lt;br&gt;10:00 - 16:00</td>
</tr>
<tr>
<td>14:30-15:30</td>
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<tr>
<td>15:30-16:30</td>
<td>Intro to QMplus&lt;br&gt;15:30 - 16:30&lt;br&gt;202 PC Lab Queens' Building</td>
<td></td>
<td>Orienteering Competition&lt;br&gt;15:00 - 16:00&lt;br&gt;Around Campus</td>
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</tbody>
</table>

**Chemistry@QMUL**

**UG Year 1 Chemistry only**

**All Students** (Foundation | UG | MSc)

**SU Events** (All Students)**
Meet your Advisor: Wednesday 21st September

2:00-3:00 pm in JP building or other venue (check email from Mr Harvey Abraham-Green)