

Structured Fast Track A level Chemistry

Course sample

www.nec.ac.uk

0800 389 2839

What can you expect when you enrol on an NEC course?

Access to our online learning platform

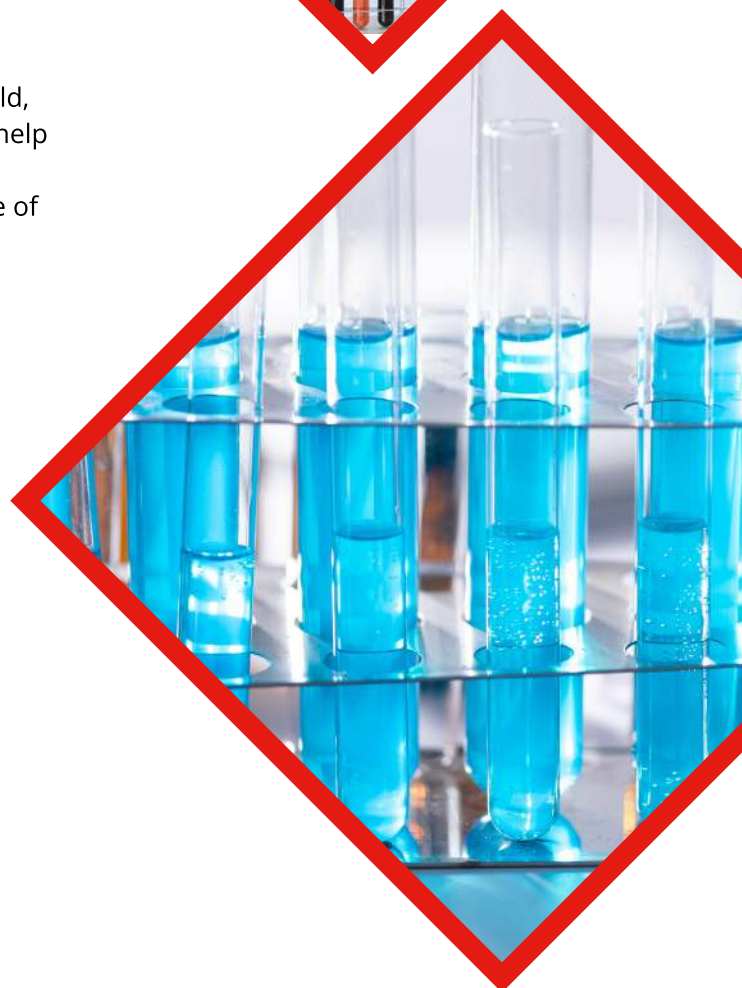
learn@nec is your gateway to the NEC community. As well as your course materials, you'll find additional resources to support your study, forums to connect to fellow NEC students, information about exams and assessment and ways for you to contact your tutor and the Student Support Team.

Learning materials written by subject experts

Our learning materials are written by subject experts and designed to cover the carefully selected awarding body specifications.

Tutor-marked assignments

Our tutors have demonstrated expert knowledge in their field, and will provide you with feedback on your assignments to help you progress through your course. Many of our tutors are examiners for the main awarding bodies so have experience of marking exam papers which helps them provide excellent feedback and support.



The online NEC platform is clear and uncomplicated and keeps your interest. You can keep a blog of your own learning diary and liaise with fellow students.

Helen

Superb organisation from signing up to getting results. High quality resources with well linked assignments.

Ceebee

So what will a course topic look like?

Course content

NEC's Structured Fast Track A level Chemistry course will follow the same topics as Pearson Edexcel's chemistry A level but has a set schedule, allowing you to complete the course within one academic year rather than two.

Section 1: Working as a chemist

Moles

Atomic structure and the periodic table

Monitoring the course of a reaction

Section 2: Bonding and redox reactions

Organic chemistry

Bonding and structure

Redox 1

Redox reactions

Section 3: Inorganic chemistry, quantities and energy in reactions

Electronic structures

Inorganic chemistry and the periodic table

Formulae, equations and amounts of substance

Energetics

Section 4: Organic chemistry

Naming organic compounds

Introduction to organic chemistry

Hydrocarbons, alkanes and alkenes

Halogenoalkanes and alcohols

Section 5: Modern analytical techniques, kinetics and equilibrium

Modern analytical techniques 1

Kinetics 1

A case study in kinetics

Equilibrium 1

A case study in equilibrium

Section 6: Equilibria and lattice energy

Safety in the laboratory

Equilibrium 2

Choosing a suitable indicator for acid-base titrations

Acid-base titration

Lattice energy

Section 7: Entropy, further redox and transition metal chemistry

Entropy

Entropy changes

Redox 2

Transition metals

Section 8: Kinetics, chirality and carbonyl compounds

Kinetics 2

Chirality

Carbonyl compounds

Section 9: Carboxylic acids, arenes and amines

Carboxylic acids and their derivatives

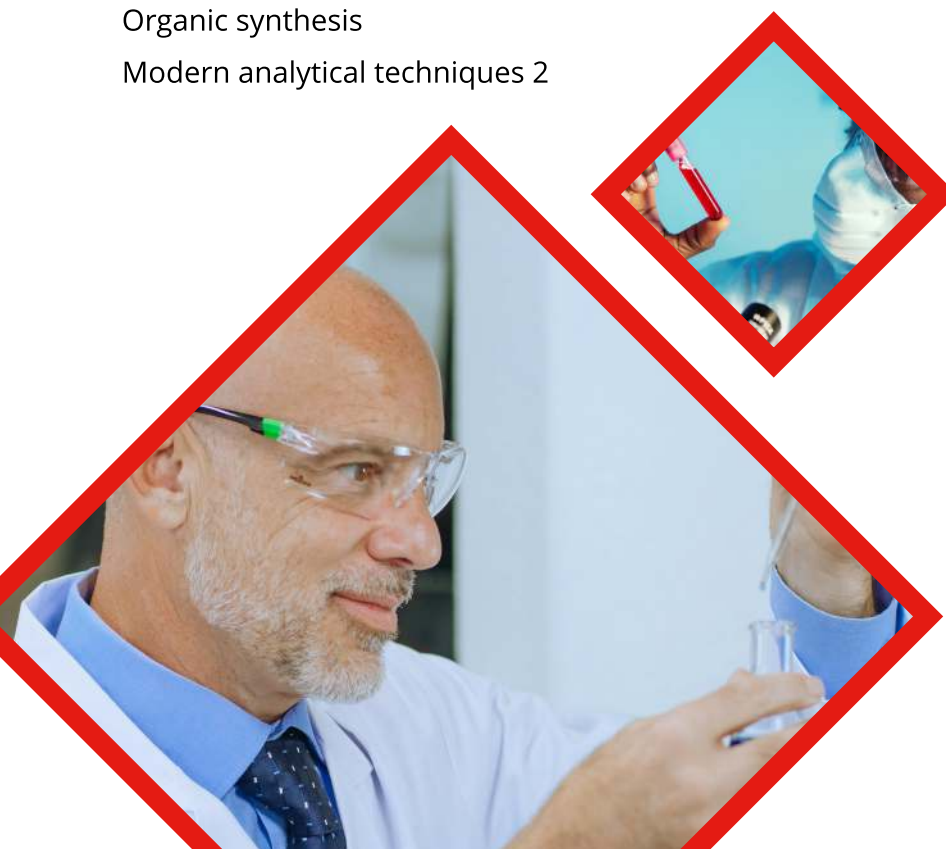
Arenes – benzene compounds

Arenes, amides, amino acids and proteins

Section 10: Organic synthesis and modern analytical techniques

Organic synthesis

Modern analytical techniques 2



Want to continue?

Contact our Student Recruitment Team.

They can help you with finance options, any additional questions, and take you through the enrolment process when you are ready to proceed.

Helping you succeed

NEC students are eligible for a wide range of offers and additional support, helping you succeed during and after your studies with us:

- Additional services such as revision sessions and exam booking service
- 10% off the first year of undergraduate study with the Open University
- 10% off the first level of study with the Open College of the Arts
- TOTUM card, giving you discounts on everything from groceries to cinema tickets

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Contact us:
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