

16-18 Course Details

Chemistry A Level - 2020:21

Location: Farnham Sixth Form College
Course Code: FCCHE-AL
Year: 2020:21
Duration: 2 Years
FT/PT: Part-Time

Exam Board: Oxford, Cambridge and RSA Examinations (OCR)
Fees (16-18): £ 0
**Fees (Adv
Learner Loan):** £ 2225



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07/09/2020

Places Available

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The Government funds and regulates adult Further Education and skills training in England. They pay a proportion of the cost to deliver the course and expect the student, or a sponsor, to pay the remaining portion. This is referred to as the 'tuition fees' and is what we display on our guide. If a course or a learner is not eligible for government funding the Full Cost /international fees will be liable. Please refer to our International fees page for more information.

Please note that the fees shown relate to the WHOLE programme but may be subject to change due to unforeseen circumstances, including changes to Government funding and remission policies, so before enrolling on a course please check with the College for the latest information. The College also reserves the right to close, or not to start any published course.

Every effort has been made to ensure that the information contained on this website is correct. However, the College reserves the right to change or amend, at any time, any of the course details including content, dates, times, venues, fees payable, concessions available, terms and conditions.

Content / Overview

Chemistry is everywhere. We cannot live without it! During this two year course, you will learn about the underlying chemistry concepts behind many essential reactions in life and industry. We review and build on GCSE knowledge in the early units. There are plenty of experiments in this course and, together with other activities, they help you understand the topics.

Modules include:

Year 1

- Foundation Chemistry
- Alkanes, Alkenes and Alcohols
- Rates and Equilibrium
- Group 2 Metals and the Halogens
- Structures and Bonding
- Spectroscopic Techniques

Year 2

- Carbonyls and Carboxylic Acid Derivatives
- Nitrogen Chemistry
- Further Rates and Equilibrium
- Acids and Bases Redox

- Transition Metals
- Analytical Techniques
- Carbon-13 and Hydrogen NMR

All 16-19 year olds on full-time programmes will be required to retake GCSE English and Maths or to undertake Functional Skills, if they have not already attained the equivalent of a GCSE grade C in these subjects, every year of their course, until they complete their studies.

Course Modules

Steps to Success	Year 1	Year 2
	<p>Entry Requirements</p> <p>At least five GCSEs at grade 4 (grade C) or above, including English Language. In addition you should have a grade 6 (grade B) or above in Maths, plus a grade 6 (grade B) or above in Chemistry and one other Science; or a grade 66 (grade BB) in a Combined Science (double award).</p>	<p>Entry Requirements</p> <p>85% or above attendance in year one.</p>
<p>Specialist Academic Skills</p>	<p>Selection of data with later analysis in mind</p> <p>Recognising patterns and drawing qualitative conclusions</p> <p>Prioritising causes and effects with a view to making choices based on evidence</p>	<p>Selection of data and suggestions of further collection of data to aid</p> <p>Recognising patterns and drawing quantitative conclusions</p> <p>Decision making based on robust priorities made after rigorous data analysis</p>
<p>Essential Skills for Progression</p>	<p>Development of English and ICT within the programme</p> <p>Basic algebra and the ability to rearrange equations</p> <p>Competency with scientific notation</p>	<p>Development of English and ICT within the programme</p> <p>Basic algebra and the ability to rearrange equations</p> <p>Competency with scientific notation</p> <p>Use of logs and antilogs</p>
<p>Subject Specific Enrichment</p>	<p>Manipulative skills with a variety of familiar apparatus</p> <p>Application of manipulative skills with unfamiliar apparatus</p> <p>Make detailed observations of chemical processes using a variety of senses</p> <p>Make conclusions based on careful observation and chemical knowledge</p> <p>Use secondary data to draw conclusions about the accuracy and reliability of experimental data</p>	<p>The application of learned manipulative skills to unfamiliar situations</p> <p>Drawn conclusions based on secondary data and make generalisations for similar systems</p>
<p>Personal Development (EEP)</p>	<p>Managing own learning</p> <p>Organising self</p> <p>Independent study and use of online learning</p> <p>Trips and visits</p>	<p>Managing own learning</p> <p>Independent study and use of online learning</p> <p>Reflective learning</p> <p>Trips and visits</p>

	Personal safety and ELM themes	Personal safety and ELM themes
Building on social, Community and Employability Skills (EEP)	Team working, options might include: Participation in sports Citizenship Charity fund-raising Preparation for employment	Team working, options might include: Participation in sports Citizenship Charity fund-raising Practitioner values & attributes

Why Study Here

Newly refurbished laboratories designed for experiential learning. A friendly environment where students' interest in Chemistry can grow in classes where everyone counts and has access to support from teachers, whose top priority is student success and fulfilment. The success rate at A level is 100% with most students achieving the higher grades and out-performing their contemporaries.

Suitable For

Those who want to explore Chemistry at a higher level and who enjoy the challenge of solving problems and learning in the context of experimental investigation and who plan to study science further in, for instance, areas of medicine, dentistry, pharmacy or chemical engineering.

Application Method

Application followed by individual interview

Entry Requirements

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Delivery Method

Lectures, group discussions and experimental work help develop your understanding of the subject and improve your analytical and practical skills.

Homework

4 - 5 hours per week of private study as well as a 20 - 30 hour assignment to be done over the summer vacation.

Assessment

Coursework and exam.

Further Study

Degrees or careers in chemistry, chemical engineering, medicine, veterinary science, pharmacology or the environment. As well as going on to work as scientists, former Farnham College chemists are following careers as varied as law, archaeology and commerce.

Additional Information

Protective clothing is lent to the students but many buy their own lab coat and eye protection.

We recommend that students buy their own copy of the text books, although loan copies are available to borrow.

Trips are organised to local universities and industries to give students an insight to future opportunities available to them.

All students aged 19 years or over on 1 September in the first year of their course are expected to pay tuition, registration, exam fees and all other course related costs. Some assistance with these costs may be available depending on your circumstances and the latest government funding position.

There are normally no tuition, registration or examination fees to pay if you are aged 16-18 on 1 September in the first year of your course and are a British or European Union resident. This does not apply to HNCs/Ds, Foundation Degrees, Degrees or courses that do not attract government funding (identified as 'no fee remission available on this course').
