

UNIVERSITY
TECHNICAL COLLEGE BOLTON



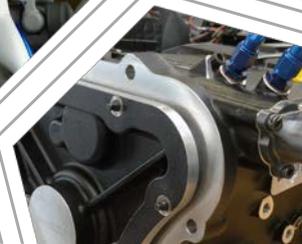
HEALTH
SCIENCES



ENGINEERING
TECHNOLOGIES



University Technical College Bolton Key Stage 5 Options



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Introduction

When students move into Years 12 and 13, they need to make individual choices about what subjects they need in order to progress to university, employment or an apprenticeship. The role of UTC Bolton is to offer information and guidance on the different options available and help you to make decisions that will support you in the future.

We work closely with students and parents to ensure you understand the wide range of subject options available, and to help you understand the opportunities and challenges that each subject brings.

The Promise

Our promise – a professional employment place, a university place or further learning for every successfully graduating student.

Your dreams
Your future
Our challenge
Our promise

Making your choices

When it comes to choosing your options, many people will tell you to choose the subjects you enjoy and that interest you – which is good advice. But, it is also important to think further ahead and to consider what you might like to do in the future.

It is scary to realise that the choices you make now will influence the choices you are able to make at the end of your Advanced Level courses and in turn, which degree courses, employment and apprenticeships are open to you at the end of your time with us.

Having the right information to hand now will give you more options when the time comes. For some undergraduate courses and employment or apprenticeship opportunities, you will need to have studied a particular subject or range of subjects beforehand.

It is our job here at UTC Bolton to help you make decisions that won't make things harder for you in the long term. We need to be sure that the subjects you take equip you for your chosen university course, apprenticeship or employment desire, or of course show off your skills in a particular subject area. And most importantly, if you haven't yet decided what you would like to do in the longer term, we can advise you on the subjects that help keep your options open until you do.

We have put together a grid on page 8 that will help you to tackle your Advanced Level/ Level 3 options. You can look at it in a number of different ways:

1. If you know what direction you want to take when you are older, use the Possible Careers row and work from bottom to top to select the course options you need to take now.
2. If you know what subjects you want to study, work from top to bottom to see the different apprenticeship, university and career options they open up for you.

We have suggested possible university courses, apprenticeships and careers. These lists are not exhaustive and we can help you look at the wider range of choices that you might wish to consider.

We are different in our approach

Most schools design their curriculum from their point of view – blocking subject combinations from the outset and preventing students from choosing the subjects they want. We are different. Our curriculum is designed from the student choice perspective. The courses you select help us design the curriculum around your preferences.

When making your choices, think about:

1. Reflecting your strengths and interests
2. Keeping your options open with a range of subjects
3. Thinking about balance in your combination
4. Making sure you know why you are making this choice

The UTC Bolton Options Process

1. Look at the information grid on page 8.
2. Discuss possible choices with your parents and subject teachers – both at your current school and at the UTC.
3. Think about what subjects you will enjoy and perform well in.
4. Think about your preferred careers paths whilst thinking about your subjects.
5. If you have questions, talk to the UTC team. Any prospective student can make a careers interview appointment should they require additional guidance.
6. Fill out and return the Options Form by Friday 10th July 2015. An example has been provided to help you.

Quality not quantity

Only a few university courses actually require 4 GCE Advanced Level qualifications. These are Medicine, Dentistry and Veterinary Science. We also recommend 4 for Pharmacy because of intense competition. Indeed, even these specify 3 GCE Advanced Level qualifications and 1 GCE Advanced Subsidiary qualification.

We would recommend that all students, other than those interested in pursuing Medicine, Dentistry, Veterinary Science and Pharmacy study 3 rather than 4 subjects. The notion of taking four and dropping one subject at the end of Year 12 is outdated and no longer fits with the decoupling of AS (GCE Advanced Subsidiary qualification) from A2 (the full GCE Advanced Level qualification).

Students studying 3 subjects rather than 4 are more likely to obtain higher grades in those subjects. For example, A*AA rather than AACB. All universities prefer this quality over the quantity of grades taken.

Students wishing to undertake Medicine, Dentistry, Veterinary Science and Pharmacy should clearly indicate which of their subjects they intend to study just to AS rather than A2 by using those codes on the form. You will also need to identify where you wish to study these courses and look at the precise entry requirements for these institutions because they are often bespoke. For example, many London based universities have a preference for students that have taken a non-scientific subject such as a language at AS alongside three science based A2 qualifications.

University course and career choice

Please use the options form to indicate your intended undergraduate degree course and career. If you are unsure please indicate the most likely pathway. This will help us to ensure that we broker our promise of a professional employment place, a university place or further learning for every student.

An example form has been provided on page 24 and 25 to help you.

GCSE Core Programme						
GCSE English Language, GCSE English Literature, GCSE Mathematics, GCSE Biology, GCSE Chemistry, GCSE Physics Culture Studies, Sport & Fitness, Explore & Discover Project Based Learning ... and much, much more. *GCSE Statistics and or Level 2 Certificate in Further Mathematics for some students						
GCSE Options - Choose 3	GCSE Geography, GCSE History, GCSE PE, GCSE Spanish, GCSE German, GCSE French, GCSE Computer Science, GCSE Business Studies, GCSE Psychology, BTEC Health & Social Care					
Possible UTC Pathways	Engineering Technologies	Medicine and Dentistry	Animal, Veterinary and Zoology Sciences	Pharmacy and Life Science	Health Sciences	Leadership, Management and Others
Number of A-level Subjects	3	4	3/4	3/4	3	3
A-level Musts	Physics and Maths	Chemistry and Biology	Chemistry and Biology	Chemistry	Biology	English Literature, History, Geography Spanish, German, French, Psychology, Maths, Further Maths, Physical Education, Computer Science or BTEC Applied Science
Plus one of these A-levels	Chemistry, Further Maths, Biology	Physics, Maths	Physics, Maths	Physics, Maths, Biology	Psychology, English Language, Chemistry	
And the remaining A-level	English Literature, History, Geography, Spanish, German, French, Computer Science or BTEC Applied Science	Psychology, English Literature, History, Geography or Computer Science	Psychology, English Literature, History, Geography or Computer Science	Psychology, English Literature, History, Geography, Spanish, German, French, Computer Science or BTEC Applied Science	English Literature, History, Geography, Physical Education, Spanish, German, French, Computer Science or BTEC Health & Social Care	
Possible University Courses	Engineering Physics Astronomy Mathematics Earth & Marine Sciences	Medicine Dentistry Biomedical Sciences	Veterinary Science Bio veterinary Sciences Zoology Marine Biology Animal Nursing	Pharmacology Life Science Biology Biochemistry	Radiography Midwifery & Nursing Occupational Therapy Paramedic Science Physiotherapy Psychology Optometry	Law Marketing Public Health Social Policy
Possible Apprenticeships	Engineering Process Manufacturing	Medical Laboratory Technician Operating Health Professional Dental Nurse Haematology Technician	Equine Management Environmental Conservation Animal Nursing	Laboratory Technician Sterile Services Technician NHS Pharmacy Health Informatics	Radiotherapy Assistants Dietetic Assistants Physiotherapy Assistants Clinical Support Worker Dental Nurse Healthcare Assistant	Medical PA Advertising and Communications Legal Administration Public Health
Possible Career...just a few to start you off...	Engineer Physicist Astronomer	Doctor Dentist Biomedical Scientist	Vet Marine Biologist Conservation	Pharmacologist Biotechnologist Microbiology Geneticist	Nurse Midwife Optician Physiotherapist Radiographer Paramedic Emergency Medicine Technician	IP Lawyer Patent Attorney Regulatory Affairs GP Practice Manager Records Clerk

GCE Advanced Subjects

Biology

Examination Board	Edexcel			
Overview	This is a really exciting time to be studying Biology because so much new work is being done which affects all our lives. Genetic engineering, the human genome project, genetic testing and screening, biotechnology, genetically modified organisms, cloning, conservation and sustainable resources are some examples of important issues that everyone should know about in order to understand new developments and to make informed decisions.			
AS/A2 or Reformed Advanced Level	This is a reformed linear GCE Advanced Level qualification for teaching from September 2015. All components are examined terminally.			
Details of units studied and assessment	Component	Paper 1 Advanced Biochemistry, Microbiology and Genetics	Paper 2 Advanced Physiology, Evolution and Ecology	Paper 3 General and Practical Principles in Biology
	%	30%	30%	40%
	Exam	1 hour and 45 minutes. 90 marks May include multiple-choice, short open, open-response, calculations and extended writing questions.	1 hour and 45 minutes. 90 marks. May include multiple-choice, short open, open-response, calculations and extended writing questions.	2 hours and 30 minutes. 120 marks May include multiple-choice, short open, open-response, calculations and extended writing questions. The paper will include synoptic questions that may draw on two or more different topics. The paper will include questions that target the conceptual and theoretical understanding of experimental methods
	Content	<ul style="list-style-type: none"> Biological Molecules Cells, Viruses and Reproduction of Living Things Classification and Biodiversity Exchange and Transport Energy for Biological Processes Microbiology and Pathogens Modern Genetics 	<ul style="list-style-type: none"> Biological Molecules Cells, Viruses and Reproduction of Living Things Classification and Biodiversity Exchange and Transport Origins of Genetic Variation Control Systems Ecosystems 	This paper will include questions from any of the opposite topics
	Science Practical Endorsement	This qualification will give students opportunities to use relevant apparatus and techniques to develop and demonstrate specific practical skills. These skills must be assessed through a minimum of 12 identified practical activities within each qualification. The assessment outcomes will be reported separately on students' certificates. To achieve a pass, students must demonstrate that they are competent in all of the practical skills listed in the subject content requirements for biology, as published by the Department for Education.		

Chemistry

Examination Board	OCR			
Overview	Chemistry is the study of how the elements and their compounds behave. It overlaps with Physics and Biology as chemical principles underpin the physical environment in which we live, as well as all biological systems. In this course you will develop essential knowledge and understanding of fundamental chemical concepts, as well as a variety of areas of chemistry, and you will get to grips with how these relate to each other. You will also develop a deeper appreciation of how chemistry plays a major role in providing the comfortable modern lifestyle we appreciate and how it contributes to the success of the economy and to society more broadly.			
AS/A2 or Reformed Advanced Level	This is a reformed linear GCE Advanced Level qualification for teaching from September 2015. All components are examined terminally.			
Details of units studied and assessment	Component	Paper 1 Periodic Table, Elements & Physical Chemistry	Paper 2 Synthesis and Analytical Techniques	Paper 3 Unified Chemistry
	Exam	2 hours and 15 minutes 100 marks	2 hours and 15 minutes 100 marks	1 hour and 30 minutes 100 marks
	%	37%	37%	26%
	Content Overview	Topics covered during the course include Quantitative Chemistry, Atomic Structure, Chemical Bonding and the Periodic Table, Organic Chemistry, Transition Metals, Acids and Amines, Energy Changes, Rates of Reaction and Equilibria. The course also includes practical work which helps develop your understanding.		
	Practical endorsement for chemistry.	Candidates complete a minimum of 12 practical activities to demonstrate practical competence. Performance reported separately to the A Level grade.		

Physics

Examination Board	AQA																			
Overview	<p>Physics is fundamentally an experimental subject. This specification provides numerous opportunities to use practical experiences to link theory to reality, and equip students with the essential practical skills they need.</p> <p>The AQA specification will inspire and motivate students and lay the foundations for further study in physics or engineering at undergraduate level.</p> <p>Physics is crucial to understanding the world around us, the world inside us, and the world beyond us. It is the most basic and fundamental science. Physics challenges our imaginations with concepts like quantum and relativity, and it leads to great discoveries, like computers and lasers, that change our lives. A physics education equips a person to work in many different and interesting places - from any discipline of Engineering and many courses in fields such as Medicine, to a career in Government, and even Banking - places where problem-solving abilities and analytical skills are great assets.</p> <p>We strongly advise that you take A Level Mathematics alongside your studies in Physics. This is essential if you wish to study Physics or Engineering at University.</p>																			
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Mathematics

Examination Board	Edexcel																							
Overview	<p>Students of Edexcel Maths will develop an understanding of mathematics and mathematical processes, develop the ability to reason logically and construct mathematical proofs, and understand coherence and progression in mathematics and how different areas of mathematics can be connected.</p> <p>The study of Mathematics shows potential employers that you have a highly logical mind that can present organised arguments to solve numerical problems – a skill which is widely sought.</p>																							
AS/A2 or Reformed Advanced Level	This is a modular GCE Advanced Level qualification with the AS component being taken at the end of Year 12 and the A2 component being taken at the end of Year 13 (with a resit opportunity for the AS component).																							
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Details of optional units studied and assessment	Any two modules from these combinations																							
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Further Mathematics

Examination Board	Edexcel						
Overview	<p>Students of Edexcel Maths will develop an understanding of mathematics and mathematical processes, develop the ability to reason logically and construct mathematical proofs, and understand coherence and progression in mathematics and how different areas of mathematics can be connected.</p> <p>The study of Mathematics shows potential employers that you have a highly logical mind that can present organised arguments to solve numerical problems – a skill which is widely sought</p>						
AS/A2 or Reformed Advanced Level	This is a modular GCE Advanced Level qualification with the AS component being taken at the end of Year 12 and the A2 component being taken at the end of Year 13 (with a resit opportunity for the AS component).						
Details of units studied and assessment	<p>Further Pure Mathematics units FP1, FP2, FP3 and a further three Applications units (excluding C1–C4) to make a total of six units; or FP1, either FP2 or FP3 and a further four Applications units (excluding C1–C4) to make a total of six units.</p> <p>Students who are awarded certificates in both Advanced GCE Mathematics and Advanced GCE Further Mathematics must use unit results from 12 different teaching modules.</p>						
	<table border="1"> <tr> <td>FP1</td> <td>Series; complex numbers; numerical solution of equations; coordinate systems, matrix algebra, proof.</td> </tr> <tr> <td>FP2</td> <td>Inequalities; series, first order differential equations; second order differential equations; further complex numbers, Maclaurin and Taylor series.</td> </tr> <tr> <td>FP3</td> <td>Further matrix algebra; vectors, hyperbolic functions; differentiation; integration, further coordinate systems.</td> </tr> </table>	FP1	Series; complex numbers; numerical solution of equations; coordinate systems, matrix algebra, proof.	FP2	Inequalities; series, first order differential equations; second order differential equations; further complex numbers, Maclaurin and Taylor series.	FP3	Further matrix algebra; vectors, hyperbolic functions; differentiation; integration, further coordinate systems.
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FP3	Further matrix algebra; vectors, hyperbolic functions; differentiation; integration, further coordinate systems.						
Each component is worth 16.67% of the full GCE Advanced award.							

Computer Science

Examination Board	OCR			
Overview	<p>Computer Science is a practical subject where students can apply the academic principles learned in the classroom to real-world systems. It's an intensely creative subject that combines invention and excitement, and can look at the natural world through a digital prism.</p> <p>The aims of this qualification are to enable learners to develop:</p> <ul style="list-style-type: none"> • An understanding and ability to apply the fundamental principles and concepts of computer science, including: abstraction, decomposition, logic, algorithms and data representation • The ability to analyse problems in computational terms through practical experience of solving such problems, including writing programs to do so • The capacity to think creatively, innovatively, analytically, logically and critically The capacity to see relationships between different aspects of computer science • Mathematical skills. 			
AS/A2 or Reformed Advanced Level	This is a reformed linear GCE Advanced Level qualification for teaching from September 2015. All components are examined terminally.			
Details of units studied and assessment	Component	Paper 1 Computer Systems	Paper 2 Algorithms and programming	Controlled Assessment Programming Project
	%	40%	40%	20%
	Exam	2 hours and 30 minutes	2 hours and 30 minutes	
	Details of units studied and assessment	<p>Questions may contain, following and correcting algorithms and programs, software development and legal and moral issues</p>	<p>Section A: Writing algorithms and computer methods, programming techniques and problem solving</p> <p>Section B: questions around a case study with questions around problem solving and algorithms.</p>	<p>Written report that will contain the solution to a problem, selected by the learner or centre, written in a suitable programming language</p>
	<ul style="list-style-type: none"> • The characteristics of contemporary processors, input, output and storage devices • Software and software development • Exchanging data • Data types, data structures and algorithms • Legal, moral, cultural and ethical issues • Elements of computational thinking • Problem solving and programming <p>Algorithms to solve problems and standard algorithms</p> <p>The learner will choose a computing problem to work through according to the guidance in the specification.</p> <ul style="list-style-type: none"> • Analysis of the problem • Design of the solution • Developing the solution • Evaluation 			

Psychology

Examination Board	Edexcel																											
Overview	<p>Psychology is the study of mind and behaviour which involves the examination of various theories and consideration of research studies. It has links with a variety of disciplines such as the biological, computer and forensic sciences, as well as with the humanities such as sociology, philosophy and literature. The common factor linking people who study psychology is curiosity and the search for knowledge.</p> <p>In Psychology you will look to answer questions such as:</p> <ul style="list-style-type: none"> • Are mental disorders like Schizophrenia genetic or learned? • How can we explain drug taking behaviour? • What influences a jury's decision? • Are nurseries bad for children? <p>You will gain a good grounding in research methods enabling a better understanding of how science works in psychology.</p>																											
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English Literature

Examination Board	Eduqas																													
Overview	<p>Eduqas is the new brand from WJEC, offering reformed qualifications to all schools and colleges in England.</p> <p>The WJEC Eduqas A level in English literature encourages learners to develop their interest in and enjoyment of literature and literary studies as they:</p> <ul style="list-style-type: none"> • read widely and independently both set texts and others that they have selected for themselves • engage critically and creatively with a substantial body of texts and ways of responding to them • develop and effectively apply their knowledge of literary analysis and evaluation • explore the contexts of the texts they are reading and others' interpretations of them • undertake independent and sustained studies to deepen their appreciation and understanding of English literature, including its changing traditions. <p>This specification is based on a conviction that the study of literature should encourage enjoyment of literary studies based on an informed personal response to a range of texts. It provides learners with an introduction to the discipline of advanced literary studies and presents opportunities for reading widely and for making creative and informed responses to each of the major literary genres of poetry, prose and drama.</p> <p>This specification offers three components in discrete genres of study: poetry, drama and prose to allow learners to focus on the conventions and traditions of each genre in turn. A further component offers unseen prose and poetry to allow learners to</p>																													
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Geography

Examination Board	AQA
Overview	<p>This new Geography specification will challenge perceptions and stimulate your investigative and analytical skills. Whilst new units have been added to reflect the world today, the A Level course builds on and develops many of the popular topics taught at GCSE. Content enables this to be taught simultaneously with the first year of AS level, allowing for maximum flexibility in lesson timetabling and teaching resources. However students can no longer complete the AS level examinations as part of the overall A level course. All of this will help you provide you with the knowledge, skills and enthusiasm sought by higher education and employers.</p>
AS/A2 or Reformed Advanced Level	This is a reformed linear GCE Advanced Level qualification for teaching from September 2017. All components are examined terminally.
Details of units studied and assessment	<ul style="list-style-type: none"> • Unit 1 – Physical Geography (40% of A Level - 2 ½ hour exam) <ul style="list-style-type: none"> ○ Water and Carbon Cycles ○ Coastal Systems and Landscapes ○ Hazards • Unit 2 – Human Geography (40% of A Level - 2 ½ hour exam) <ul style="list-style-type: none"> ○ Global systems and global governance ○ Changing places ○ Contemporary urban environment • Unit 3- Geographical Investigation (20% of A Level) <ul style="list-style-type: none"> ○ Fieldwork based enquiry of 3-4000 words ○ Must be related to part of the specification content <p>Students can re-sit any of the unit examinations within the two year duration of this course.</p>

Spanish, German and French

Examination Board	AQA	
Overview	<p>The A-level specification builds on the knowledge, understanding and skills gained at GCSE. It constitutes an integrated study with a focus on language, culture and society. It fosters a range of transferable skills including communication, critical thinking, research skills and creativity, which are valuable to the individual and society. The content is suitable for students who wish to progress to employment or further study, including a modern languages degree, and will be studied over two years. The approach is a focus on how French/German/Spanish-speaking societies have been shaped, socially and culturally, and how they continue to change. Students will develop their language skills and their knowledge and understanding of themes relating to the culture and society of French/German/Spanish-speaking countries, by using authentic spoken and written sources, as well as literary texts and films.</p>	
AS/A2 or Reformed Advanced Level	This is a reformed linear GCE Advanced Level qualification for teaching from September 2016. All components are examined terminally.	
Details of units studied and assessment		
Paper 1	Paper 2	Paper 3
<p>A written exam of 2 hours 30 minutes, worth 160 marks in total (40% of A-level), which includes a) Listening and responding to spoken passages from a range of contexts and sources (60 marks); b) Reading and responding to a variety of texts (60 marks); c) Translation into English; a passage of minimum 100 words (20 marks) and d) Translation into Target Language; a passage of minimum 100 words (20 marks).</p>	<p>A written exam of 2 hours, worth 90 marks in total (30% of A-level) which includes either one question in Target Language on a set text from a choice of two questions and one question in Target Language on a set film from a choice of two questions or two questions in Target Language on set texts from a choice of two questions on each text (45 marks per question)</p>	<p>An oral exam of 21–23 minutes, worth 60 marks in total (30% of A-level) which includes a) Discussion of a sub-theme with the discussion based on a stimulus card (25 marks) and b) Presentation and discussion of individual research project (35 marks).</p>
<p>The topics covered in each language are as follows:</p>		
<p>FRENCH</p> <ul style="list-style-type: none"> • The changing nature of family (La famille en voie de changement) • The 'cyber-society' (La « cyber-société ») • The place of voluntary work (Le rôle du bénévolat) • Positive features of a diverse society (Les aspects positifs d'une société diverse) • Life for the marginalised (Quelle vie pour les marginalisés?) • How criminals are treated (Comment on traite les criminels) • A culture proud of its heritage (Une culture fière de son patrimoine) • Contemporary francophone music (La musique francophone contemporaine) • Cinema: the 7th art form (Cinéma : le septième art) • Teenagers, the right to vote and political commitment (Les ados, le droit de vote et l'engagement politique) • Demonstrations, strikes – who holds the power? (Manifestations, grèves – à qui le pouvoir?) • Politics and immigration (La politique et l'immigration) <p>GERMAN</p> <ul style="list-style-type: none"> • The changing state of the family (Familie im Wandel) • The digital world (Die digitale Welt) • Youth culture: fashion and trends, music, television (Jugendkultur: Mode, Musik und Fernsehen) • Immigration (Einwanderung) 		<ul style="list-style-type: none"> • Integration (Integration) Racism (Rassismus) • Festivals and traditions (Feste und Traditionen) • Art and architecture (Kunst und Architektur) • Cultural life in Berlin, past and present (Das Berliner Kulturleben damals und heute) • German and the European Union (Deutschland und die Europäische Union) • Politics and youth (Die Politik und die Jugend) • German re-unification and its consequences (Die Wiedervereinigung und ihre Folgen) <p>SPANISH</p> <ul style="list-style-type: none"> • Modern and traditional values (Los valores tradicionales y modernos) • Cyberspace (El ciberespacio) • Equal rights (La igualdad de los sexos) • Immigration (La Inmigración) • Racism (El Racismo) • Integration (La Convivencia) • Modern day idols (La influencia de los ídolos) • Spanish regional identity (La identidad regional en España) • Cultural heritage or cultural landscape (El patrimonio cultural) • Today's youth, tomorrow's citizens (Jóvenes de hoy, ciudadanos de mañana) • Monarchies, republics and dictatorships (Monarquías, repúblicas y dictaduras) • Popular movements (Movimientos populares)

Physical Education

Examination Board	AQA																
Overview	<p>Sport & fitness is a huge industry... and you can be part of it. If you're keen on sport you can make a healthy living from your passion. Whether that's working for a football club, as a personal trainer at the local gym, or training to be a physiotherapist, there are lots of opportunities. From professional sport through to amateur teams and individuals who just want to get in shape, sport and fitness is a fast-growing business. Best of all, you could be in a career doing something that you love.</p> <p>This qualification is linear. Linear means that students will sit all their exams and submit all their non-exam assessment at the end of the course. Content that will be covered includes;</p> <ul style="list-style-type: none"> 1. Applied anatomy and physiology 2. Skill acquisition 3. Sport and society 4. Exercise physiology 5. Biomechanical movement 6. Sport psychology 7. Sport and society and the role of technology in physical activity and sport <p>Assessment takes place in two forms. There are two written exams worth 35% each of your total A Level and a practical aspect as either a coach or performer in a full sided version of one activity. This is worth 30% of the total A Level.</p>																
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BTEC Applied Science

Examination Board	Edexcel																				
Overview	This is a practical work related course delivering the skills and knowledge to enable you to perform a specialist scientific role in industry, commerce, the public sector or in science related employment. It is an assignment based course covering all three scientific disciplines (biology, chemistry and physics) with an emphasis on the work of real scientists and technicians.																				
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English Language

Examination Board	AQA
Overview	<p>A-level English Language offers opportunities for students to develop their subject expertise by engaging creatively and critically with a wide range of texts and discourses.</p> <p>Students will create texts and reflect critically on their own processes of production, while analysing the texts produced by others. The subject explores the study of English language both as a medium of communication and as a topic in its own right, with an emphasis on the ability of students to pursue lines of enquiry, debate different views, and work independently to research aspects of language in use.</p> <p>Language is seen as a creative tool for expression and social connection, as well as for individual cognition. The study of language as a symbolic system used to assert power in society is also fundamental to the scope of this specification.</p> <p>This highly prestigious course requires no burdensome reading and will complement any other subject, fitting perfectly with any career or academic pathway.</p>
AS/A2 or Reformed Advanced Level	This is a reformed linear GCE Advanced Level qualification for teaching from September 2015. All components are examined terminally.
Details of units studied and assessment	<p>The A Level is assessed with three different strata:</p> <ul style="list-style-type: none"> • Paper 1: Language, the individual and society. A section on general comparative text analysis and a section on child language acquisition (40%) • Paper 2: Language diversity and change. The topics include how language evolves (language change) and gender differences affect language; this paper also contains an original writing section (40%) • Non-exam assessment: Language in in action. This will include a project on a topic of your choice that will enhance and complement the study for the exam matched with an original writing element. (20%)

History

Examination Board	Edexcel				
Overview	This A level gives you the opportunity to study Communist states in the twentieth century. Paper 1 and 2 are linked thematically by communism, one of the most significant ideologies of the twentieth century. Communism directly affected the lives of millions of people who lived under communist rule, but it also had indirect effects on countless others around the world. Paper 3 allows you to study in detail an element of British history and span a period of over 200 years. The coursework invites you to investigate a problem, question or issue that stems paper 1, 2 or 3, or to look at an entirely new area of interest.				
AS/A2 or Reformed Advanced Level	This is a modular GCE Advanced Level qualification with the AS component.				
Details of units studied and assessment	Component	Paper 1	Paper 2	Paper 3	Coursework
	%	30% A level 60% AS	20% A level 40% AS	30% A level	20% A level
	Exam	2 hours 15 minutes	1 hour 30 minutes	2 hours 15 minutes	3000-4000 word essay
	Content	Breadth study with interpretations Russia, 1917-91: from Lenin to Yeltsin	Depth Study Mao's China, 1949-76 OR The German Democratic Republic, 1949-1990	Themes in breadth with aspects in depth Rebellion and disorder under the Tudors, 1485-1603 OR Poverty, public health and state in Britain, c1780-1939	Students to complete an independently researched enquiry in historical interpretations, e.g. the origins of WWI Or the origins of the Cold war.

BTEC Health & Social Care

Examination Board	Edexcel
Overview	<p>The BTEC Level 3 course in Health and Social Care will develop your knowledge, understanding and skills to meet the needs of the Health and Social Care sector and also the academic requirements to study at university. You will look in detail at the role of a Health and Social Care worker, their relationship with patients' / service users and their responsibilities towards patients' / service users and the wider Health and Social Care sector. The course will help you prepare for a range of jobs in the public, private or voluntary sectors e.g. hospitals, residential homes or charities. The course could lead you to apply for a range of university courses including Social Work, Nursing, Midwifery, Teacher Training, Psychology, Occupational Therapy and Social Policy. Assessment covers a range of externally assessed examined units and internally assessed assignments. The Extended Diploma 'Health Studies' pathway is more scientific in nature, and will support those who are applying for a degree that expects a large amount of prior science knowledge e.g. Radiography, Paramedic Science, Healthcare Science or Nursing and Midwifery. For the Diploma and Extended Diploma, you are required to undertake a minimum of 100 hours' work experience as part of the course.</p>
Details of units studied and assessment	As outlined in the table opposite.

Health and Social Care	Equivalent to	Units	Common	Options *options will depend on a combination of student interests /capabilities and teacher specialisms.
Extended Certificate	Equivalent to 1 A Level	4 units 3 are mandatory 2 are externally assessed	Human Lifespan Development (Exam 1.5 hours) Working in Health and Social Care (Exam 1.5 hours) Meeting Individual Care and Support Needs (Internal assessment)	Physiological Disorders and their Care
Diploma	Equivalent to 2 A Levels	8 units 6 are mandatory 3 are externally assessed	6 (as above) plus: Enquiries into Current Research in Health and Social Care (External assessment) Principles of Safe Practice in Health and Social Care (Internal assessment) Promoting Public Health (Internal assessment)	As above, plus: Work Experience in Health and Social Care (100 hours' work experience)
Extended Diploma (Health Studies Pathway)	Equivalent to 3 A Levels	13 units 8 are mandatory 4 are externally assessed	8 (as above) plus: Anatomy and Physiology for Health and Social Care (Exam 1.5 hours) Work Experience in Health and Social Care (100 hours' work experience)	As above, plus 2 from: Infection Prevention Control Psychological Perspectives Caring for Individuals with Dementia Nutritional Health Understanding Mental Wellbeing Biochemistry for Health And 2 from: Scientific Techniques for Health Science Microbiology for Health Science Medical Physics Applications in the Health Sector Genetics Biomedical Science Health Psychology

Choosing your options

Welcome to UTC Bolton's Indicative Options Choice – Year 12

Our aim is to provide students with highly personalised learning journeys that will both challenge and support students to achieve their very best. As we approach September, we are beginning to establish timetables to support each individual learner. Consequently, we require indicative information about your subject options. You should not worry if you are a little uncertain as to your choices at this stage. Nor should you worry if you have changed your mind since your initial application. It is natural for options to be shaped by the examinations process at GCSE, particularly as you have more time to reflect. The choices you make here are for information only. They will be used to help plan effectively for the UTC. All options choices will be confirmed at enrolment subject to viable student numbers in those subjects.

Forename:	George	Surname:	Goddard
DoB:	10.01.2003	Postcode:	BL3 5AB

Options

Students should select 3 or 4 subjects according to the pathway offered.

UTC Pathway (please tick)					
Engineering Technologies	Medicine and Dentistry	Animal, Veterinary & Zoological Sciences	Pharmacy & Life Sciences	Health Sciences	Leadership & Management and Other
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Subjects (Please tick)						
A-level Musts	<input type="checkbox"/> Physics and Maths	<input checked="" type="checkbox"/> Chemistry and Biology	<input type="checkbox"/> Chemistry and Biology	<input type="checkbox"/> Chemistry	<input type="checkbox"/> Biology	<input type="checkbox"/> English Literature <input type="checkbox"/> Geography <input type="checkbox"/> Spanish <input type="checkbox"/> German <input type="checkbox"/> French <input type="checkbox"/> Psychology <input type="checkbox"/> Maths <input type="checkbox"/> Further Maths <input type="checkbox"/> Computer Science <input type="checkbox"/> History
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And the remaining A-level	<input type="checkbox"/> English Literature <input type="checkbox"/> Geography <input type="checkbox"/> Spanish <input type="checkbox"/> German <input type="checkbox"/> French <input type="checkbox"/> Computer Science <input type="checkbox"/> BTEC Applied Science	<input type="checkbox"/> Psychology <input type="checkbox"/> English Literature <input checked="" type="checkbox"/> Geography <input type="checkbox"/> Computer Science	<input type="checkbox"/> Psychology <input type="checkbox"/> English Literature <input type="checkbox"/> Geography <input type="checkbox"/> Computer Science	<input type="checkbox"/> Psychology <input type="checkbox"/> English Literature <input type="checkbox"/> Geography <input type="checkbox"/> Spanish <input type="checkbox"/> German <input type="checkbox"/> French <input type="checkbox"/> Computer Science <input type="checkbox"/> BTEC Applied Science	<input type="checkbox"/> English Literature <input type="checkbox"/> Geography <input type="checkbox"/> Spanish <input type="checkbox"/> German <input type="checkbox"/> French <input type="checkbox"/> Computer Science <input type="checkbox"/> Physical Education <input type="checkbox"/> BTEC Health & Social Care	<input type="checkbox"/> English Literature <input type="checkbox"/> Geography <input type="checkbox"/> Spanish <input type="checkbox"/> German <input type="checkbox"/> French <input type="checkbox"/> Psychology <input type="checkbox"/> Maths <input type="checkbox"/> Further Maths <input type="checkbox"/> Computer Science <input type="checkbox"/> English Language <input type="checkbox"/> History
Possible University Courses	Engineering, Physics, Astronomy, Mathematics, Earth & Marine Sciences	Medicine, Dentistry, Biomedical Sciences	Veterinary Science, Bio veterinary Sciences, Zoology, Marine Biology, Animal Nursing	Pharmacology, Life Science, Biology, Biochemistry	Radiography, Midwifery & Nursing, Occupational Therapy, Paramedic Science, Physiotherapy, Psychology, Optometry	Law, Marketing, Public Health, Social Policy
Possible Apprenticeships	Engineering, Process, Manufacturing	Medical Laboratory Technician, Operating Health Professional, Dental Nurse, Haematology Technician	Equine Management, Environmental Conservation, Animal Nursing	Laboratory Technician, Sterile Services Technician, NHS Pharmacy, Health Informatics	Radiotherapy Assistants, Dietetic Assistants, Physiotherapy Assistants, Clinical Support Worker, Dental Nurse, Healthcare Assistant	Medical PA, Advertising and Communications, Legal Administration, Public Health
Possible Career...	Engineer, Physicist, Astronomer	Doctor, Dentist, Biomedical Scientist	Vet, Marine Biologist, Conservation	Pharmacologist, Biotechnologist, Microbiology, Geneticist	Nurse, Midwife, Optician, Physiotherapist, Radiographer, Paramedic, Emergency Medicine Technician	IP Lawyer, Patent Attorney, Regulatory Affairs, GP Practice Manager, Records Clerk

If you are choosing 3 GCE Advanced Level qualifications and a GCE AS qualification, please identify the subject you wish to study to an AS standard here:

This is an example to help you complete your form overleaf digitally

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Subjects (Please tick)						
A-level Musts	<input type="checkbox"/> Physics and Maths	<input type="checkbox"/> Chemistry and Biology	<input type="checkbox"/> Chemistry and Biology	<input type="checkbox"/> Chemistry	<input type="checkbox"/> Biology	<input type="checkbox"/> English Literature <input type="checkbox"/> Geography
Plus one of these A-levels	<input type="checkbox"/> Chemistry <input type="checkbox"/> Further Maths <input type="checkbox"/> Biology	<input type="checkbox"/> Physics <input type="checkbox"/> Maths	<input type="checkbox"/> Physics <input type="checkbox"/> Maths	<input type="checkbox"/> Physics <input type="checkbox"/> Maths <input type="checkbox"/> Biology	<input type="checkbox"/> Psychology <input type="checkbox"/> English Language <input type="checkbox"/> Chemistry	<input type="checkbox"/> Spanish <input type="checkbox"/> German <input type="checkbox"/> French
And the remaining A-level	<input type="checkbox"/> English Literature <input type="checkbox"/> Geography <input type="checkbox"/> Spanish <input type="checkbox"/> German <input type="checkbox"/> French <input type="checkbox"/> Computer Science <input type="checkbox"/> BTEC Applied Science	<input type="checkbox"/> Psychology <input type="checkbox"/> English Literature <input type="checkbox"/> Geography <input type="checkbox"/> Computer Science <input type="checkbox"/> English Language	<input type="checkbox"/> Psychology <input type="checkbox"/> English Literature <input type="checkbox"/> Geography <input type="checkbox"/> Computer Science <input type="checkbox"/> English Language	<input type="checkbox"/> Psychology <input type="checkbox"/> English Literature <input type="checkbox"/> Geography <input type="checkbox"/> Spanish <input type="checkbox"/> German <input type="checkbox"/> French <input type="checkbox"/> Computer Science <input type="checkbox"/> BTEC Applied Science	<input type="checkbox"/> English Literature <input type="checkbox"/> Geography <input type="checkbox"/> Spanish <input type="checkbox"/> German <input type="checkbox"/> French <input type="checkbox"/> Computer Science <input type="checkbox"/> Physical Education <input type="checkbox"/> BTEC Health & Social Care <input type="checkbox"/> English Language	<input type="checkbox"/> Psychology <input type="checkbox"/> Maths <input type="checkbox"/> Further Maths <input type="checkbox"/> Computer Science <input type="checkbox"/> English Language <input type="checkbox"/> History
Possible University Courses	Engineering, Physics, Astronomy, Mathematics, Earth & Marine Sciences	Medicine, Dentistry, Biomedical Sciences	Veterinary Science, Bio veterinary Sciences, Zoology, Marine Biology, Animal Nursing	Pharmacology, Life Science, Biology, Biochemistry	Radiography, Midwifery & Nursing, Occupational Therapy, Paramedic Science, Physiotherapy, Psychology, Optometry	Law, Marketing, Public Health, Social Policy
Possible Apprenticeships	Engineering, Process, Manufacturing	Medical Laboratory Technician, Operating Health Professional, Dental Nurse, Haematology Technician	Equine Management, Environmental Conservation, Animal Nursing	Laboratory Technician, Sterile Services Technician, NHS Pharmacy, Health Informatics	Radiotherapy Assistants, Dietetic Assistants, Physiotherapy Assistants, Clinical Support Worker, Dental Nurse, Healthcare Assistant	Medical PA, Advertising and Communications, Legal Administration, Public Health
Possible Career...	Engineer, Physicist, Astronomer	Doctor, Dentist, Biomedical Scientist	Vet, Marine Biologist, Conservation	Pharmacologist, Biotechnologist, Microbiology, Geneticist	Nurse, Midwife, Optician, Physiotherapist, Radiographer, Paramedic, EMT	IP Lawyer, Patent Attorney, Regulatory Affairs, GP Practice Manager, Records Clerk

If you are choosing 3 GCE Advanced Level qualifications and a GCE AS qualification, please identify the subject you wish to study to an AS standard here:



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