Visit us
Experience St Andrews for yourself by coming to one of our visiting days.
Find out more about the town, University and your subject(s) of choice. It is also a great opportunity to meet academics, Admissions staff and some of our students.
www.st-andrews.ac.uk/visiting

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Welcome to St Andrews

Thank you for considering choosing the University of St Andrews as your university.

We offer you an outstanding opportunity in higher education, and membership of a university community that will be with you for life. The University of St Andrews stands for quality across the board, and we put the student experience at the heart of all we do. This year we have been voted University of the Year for student experience, and our own students voted St Andrews the top university in the UK in the annual National Student Survey. So if you come here you will be joining a university that looks after its students, takes them seriously, and gives them an unbeatable start, or continuation, in adult life.

Our approach to learning and teaching is a mix of traditional and new. In every subject, we cover all the bases, on the one hand familiarising our students with the knowledge and theories that are essential to an understanding of the discipline, and on the other, giving you a chance wherever possible to develop practical uses for the knowledge you acquire. From this starting point, we expect our students increasingly to design their own studies, by selecting options and undertaking research-based activities that they devise by themselves, with support from academic staff.

This prospectus and the University website are here to give you all the information you need to make an informed choice about your future. You will find that St Andrews has a strong sense of community, that it also values diversity, and that it is highly international. Similarly, it is a mix of dynamically modern and the evocatively mediaeval. We invest continually in our facilities, and our student accommodation; but we pride ourselves on being Scotland’s oldest university, with a unique and much cherished set of traditions.

St Andrews is where you can fully become the person you want to be. We will challenge you but we will also support you. You will meet here people who will become your friends for the rest of your life; and you will study subjects that change the way you think about the world. I know that what you read in these pages and on our website will really help you to make the decision about your choice of university, and I hope that we will be able to welcome you as one of our students, and one of our future alumni.

Professor Sally Mapstone
Principal and Vice-Chancellor
Where is St Andrews?

St Andrews sits on the east coast of Scotland in Fife, about an hour north of Edinburgh.

The town has a population of just over 20,000 – half of which are students or University staff, creating a unique sense of community. With over 140 countries and territories represented in our student body, the town is welcoming, diverse and has a highly global outlook, which benefits everyone who studies here.

Where do our 7,300 undergraduate students come from?

Edinburgh, Glasgow and the rest of Scotland are all accessible by public transport. Leuchars, our closest train station, is about ten minutes from St Andrews and is part of the main east coast railway line, offering easy access to the rest of the UK and daily trains that will get you to London in approximately six hours.

Our closest international airport is Edinburgh. From here you can fly to destinations across the UK and Europe, as well as direct flights to the USA, Canada and hubs in the Middle East.

The town is approximately two square miles, with the University spread throughout – making town and University inseparable.

More information about getting to St Andrews can be found online: www.st-andrews.ac.uk/visiting
Studying at St Andrews offers you the opportunity to learn at one of the most extraordinary universities in the world. Highly ranked across league tables and with a global outlook, St Andrews offers you a high-quality, passionately taught, flexible degree in a historic and welcoming setting.

Most degree programmes at St Andrews are four years long. First and second years are called sub-honours and this is where the degree structure allows you to study multiple subjects. Studying three subjects in first year and two or three (depending on your Faculty) in second year, you can explore other areas that interest you before finalising your degree choice. Third and fourth years are called Honours and allow you to specialise in your chosen subject. Medicine students will be in St Andrews for three years and will follow a set programme, see page 124 for details.

Faculties
Although you will be applying for a specific degree programme, your admission to St Andrews will be to a Faculty. There are four faculties:

- Faculty of Arts
- Faculty of Divinity
- Faculty of Medicine
- Faculty of Science

You will normally belong to the same Faculty throughout your university career and most of the subjects you study will be offered by Schools or Departments within this Faculty, see the Subject index (page 175). Each Faculty has its own entry requirements (page 169) in addition to the subject specific entry requirements (pages 46 - 165).

Cross-Faculty subjects
Most subjects fit into a single Faculty, however there are seven subjects offered in both the Faculty of Arts and Faculty of Science, either as Single Honours degrees, or as part of a Joint Honours degree. These are: Economics, Financial Economics, Geography, Management, Mathematics, Philosophy, Psychology, Statistics and Sustainable Development.

The content of the subject is the same irrespective of Faculty. For more information, visit: www.st-andrews.ac.uk/subjects/study-options/faculties
Choosing your subjects
In the weeks before you arrive at St Andrews you will complete online pre-advising. This is where you will make preliminary choices for your first year subjects. Once here you will meet with your Adviser of Studies who will discuss your choices and other options you may have. Your Adviser of Studies is also available for consultation at other times on any academic-related problems that may arise. Different arrangements apply in the Faculty of Medicine.

Teaching
Class sizes will vary from subject to subject, and will be larger in first and second year before decreasing as you specialise in third and fourth year.

- Lectures – larger groups, delivered by a specialist in particular subjects, allow all students to receive the same key information.
- Tutorials and seminars – selected topics are discussed in smaller groups and analysed on the basis of prepared work helping you develop analytical and communication skills. They also help promote the excellent relationship between staff and students which exists at St Andrews.
- Independent study – enables you to become increasingly self-reliant in the way you manage your time and organise your work.
- Laboratory work – conducting experiments to allow you to put theoretical knowledge into practice.
- Fieldwork – some subjects include compulsory or optional fieldwork from an early stage.
- Placements – some degrees have the option to undertake a placement.

Honours students sometimes take part in residential reading parties. These weekend ‘mini-conferences’ allow students and staff to discuss their subject in an informal atmosphere.

First and second years (sub-honours)
In a typical four-year degree programme your first two years are called sub-honours. This is when you will start to understand your chosen subject better and develop your academic skills. First and second years are also where the flexibility of our degree structure gives you the opportunity to explore other subjects that interest you, allowing you to fully discover where your strengths and passions lie before finalising your degree intentions for Honours. There are a few constraints on this depending on the particular courses you are choosing, including possible timetable clashes.

Apart from Medicine, typically you will study:
- Three subjects in first year.
- Two or three subjects in second year if you are in the Faculties of Arts and Divinity (two usually continued from first year).
- One or two subjects in second year if you are in the Faculty of Science.
- One or two subjects at Honours level depending on Single or Joint Honours decision.

Third and fourth years (Honours)
At the end of your second year you will make a final choice of Honours programme from the second year subjects that you have studied. It is in the final two years that you will be able to specialise and gain an in-depth knowledge of your chosen subject(s).

All Honours students will have the opportunity to write a dissertation or complete a project as part of their final year. This gives you the chance to explore a topic of your choosing in significant depth. Dissertations and projects vary by subject, but in the majority you will be allocated a supervisor who will oversee your progress throughout, supporting you to develop your ideas using the research abilities you have built up throughout your degree programme. Joint Honours students will get different dissertation and project options, dependent on the combination of degrees being taken.

There are several types of Honours programmes you can choose:
- Single Honours degrees – one subject in the final two years.
- Joint Honours degrees – two subjects in the final two years, typically 50% in each subject.
- “With” degrees involve the study of two subjects in the final two years on a Major-Minor basis, with one ‘Major’ subject, and one ‘Minor’ subject.

There are also some degree programmes in which up to three subjects may be taken in varying proportions, and some (Integrated Masters programmes) that have three Honours years.

Assessment
Assessment takes place in the semester the subject was taught. This is either through examinations, continuous assessment (coursework) or, in most cases, a combination of these. You will receive feedback on every assessment with a view to improving your performance in the future. If you fail an assessment for a particular course you may be offered an opportunity to be reassessed.

Possible routes to a Single or Joint MA Honours (Arts or Divinity) degree

| First year (Study 3 subjects in each semester) | Subject A + Subject B + Subject C |
| Second year (Study 3 subjects in each semester) | Subject A + Subject B or Subject C + Subject C* or Subject D |
| Third year | Single Honours OR Joint Honours |
| | Subject A or B or C OR Any pair* from Subjects A, B, C |
| Fourth year | Single Honours OR Joint Honours |
| | Continuing Subject A or B or C OR Continuing same pair |

Structure of a typical BSc Single or Joint Honours (Science) degree

| First year (Study 3 subjects in each semester) | Subject A + Subject B + Subject C |
| Second year (Study 2 subjects in each semester) | Subject A + Subject B OR Subject C |
| Third year | Single Honours OR Joint Honours |
| | Subject A or B or C OR Any pair* from Subjects A, B, C |
| Fourth year | Single Honours OR Joint Honours |
| | Continuing Subject A or B or C OR Continuing same pair |

Subject A must be the degree subject for which you were offered a place. Subject B must be the other subject if you were accepted for a Joint Honours programme.

We also offer a number of Triple Honours programmes within the School of Modern Languages. Further details can be found in the subject pages, 46 - 165.

* Subject C may only be taken once, if it is taken instead of Subject B in second year, then the third subject would be Subject D.
* Not all Joint Honours combinations are possible, see Joint degree combination table on page 172 - 173.
* Not all Joint Honours combinations are possible, see Joint degree combination table on page 174.
We are partnered with large and small institutions across the globe, allowing our students to spend either a semester or an entire year abroad. Some offer an intimate campus experience; others are located in the heart of a major metropolis, from Beijing to Paris, Melbourne to Los Angeles. What unites all of our programmes is the quality of the academic provision, ensuring that participation in a St Andrews Study Abroad programme opens the door to a new and valuable academic experience at another institution.

Study Abroad for credit is permitted on existing University-approved programmes only. All of our programmes are carefully selected and monitored. The University has good relations with our partners overseas and works closely with them to ensure students enjoy a successful period abroad and a smooth return to St Andrews thereafter.

Key information
- Some programmes are available for one semester, while others involve a full academic year abroad (usually third year).
- Opportunities are available in most degree programmes in Arts, Divinity and Science.
- Some programmes are competitive and the main criterion is a strong academic record.
- Most programmes involve payment of your normal tuition fees to St Andrews and no tuition fee liability at the host institution.
- Several Study Abroad programmes have scholarships attached to help you with the costs.
- In 2018-2019 the University has 39 subject-specific Study Abroad programmes in 19 countries.

The costs involved in studying abroad vary depending on location and programme. You will be responsible for your travel and living costs and any other personal expenses. Additional costs may include: visa charges, vaccinations, books, supplies, and medical insurance. Please note that accommodation is not often guaranteed at our partner universities.

St Andrews Abroad options
- St Andrews Abroad refers to a number of University exchanges each of which is open to students in several disciplines in Arts, Divinity and Science.
- For the academic year 2018-2019, there are 16 partner universities in Australia, New Zealand, Hong Kong, Singapore, Canada and the USA.

Erasmus+
We actively participate in the Erasmus+ programme, sending students to partner institutions across Europe through our Erasmus+ Charter. We value our European and international partnerships, and the opportunities they provide for student and staff mobility, and the exchange of knowledge, ideas and perspectives.

The latest information can be found on the Study Abroad section of the University website and at: www.erasmusplus.org.uk

Working abroad
Completing a work placement abroad is a good opportunity to gain work experience in another culture or language and to enhance valuable skill sets. As part of specific degree programmes in Biology, Chemistry and Modern Languages, you may apply to undertake a work placement abroad for credit.

www.st-andrews.ac.uk/study-abroad
BA International Honours

The Bachelor of Arts (International Honours) is a collaboration between two internationally renowned universities, offering the opportunity to study at both the University of St Andrews and the College of William & Mary, in the USA.

Designed for those who want a truly international education, this programme allows you to engage with both the depth of study for which St Andrews is renowned and the breadth of the liberal arts tradition at William & Mary. The programme lets you spend two years at both institutions and graduate with a jointly awarded BA (International Honours) degree. This programme has a different fee structure. Please see the website for the latest fee information.

Subjects

There are six subject options on this programme: Classical Studies (choose either Ancient History and Archaeology or Greek and Latin pathway), Economics, English, Film Studies, History (including significant study of a second language) or International Relations.

Entry requirements

Admission to the BA (International Honours) is highly competitive. The entry requirements for all six subject areas are:

- AAAB at SQA Higher
- AAA at A-Level
- 38 IB points

For Classical Studies, Film Studies and History, these requirements are usually higher than those for the MA degrees in those subjects at St Andrews.

If you are applying to study History it is essential that you have a strong competency in a language other than English.

If you are applying to study International Relations, you should be aware that it is a requirement to also study Economics in first year.

Structure

You will apply to the institution where you intend to spend your first year and then move on to the other institution for your second year. Thereafter you can choose how you wish to allocate your third and fourth years of study. You will spend one sub-honours (either first or second year) and one Honours year (either third or fourth year) in each location. Dedicated academic advisers will assist you throughout the duration of your degree.

From the outset you will elect to specialise in one of six subject areas. In first and second years you have the opportunity to study from the broad curriculum offerings of the two institutions, as well as your chosen specialisation.

In addition to your main subject you will, in consultation with your Adviser of Studies, compile a ‘breadth portfolio’ comprised of courses satisfying the various objectives that underlie the William & Mary General Education Requirements, including six under knowledge, nine under skills and three under values. These requirements, together with the variety of subjects available, can be viewed in the respective course catalogues at each institution, and in the programme regulations, all available via the link below.

The BA (International Honours) programme combines the best aspects of two academic traditions, while offering you a great range of academic choices and the opportunity to acquire direct knowledge of two distinct intellectual and national cultures. The curriculum in each of the disciplines offers more breadth than a traditional St Andrews degree as well as more specialisation than is usual at William & Mary.

www.st-andrews.ac.uk/subjects/study-options/ug/degree-routes/william-mary-joint

“...The programme is challenging; navigating between Virginia and Scotland and meeting the heavy academic requirements of both universities. The reward is double: double the friendship, double the opportunities, and ultimately a stronger person than we would have been staying in one university for four years.”

Zhu (Shenzhen, China)
Access and lifelong learning

We are proud of our diverse and vibrant student community, and we continue to strive towards attracting students who have the talent and potential to succeed, regardless of personal or social circumstances.

Our wide range of long-established initiatives and pioneering new projects engage with learners at every stage. We work with primary and secondary pupils, as well as college students and those returning to education after a period of time. www.st-andrews.ac.uk/study/access

Contextual admissions
We use contextual admissions to ensure we offer a fair and transparent process to all applicants, regardless of background. We seek to ensure that no student with the potential to do well is disadvantaged by any personal or social circumstance. We do this using relevant pre-entry information, clear entry requirements and robust assessment methods, appropriate to each application cohort.

Gateway programmes
The University offers Gateway programmes in Computer Science, Medicine, Physics and Astronomy, and the Faculty of Arts. These are designed to give opportunities to those who may have experienced some form of disadvantage during their schooling resulting in them not achieving the required grades to study their chosen subject. More information about these programmes can be found online: www.st-andrews.ac.uk/study/access/projects/gateway

Care leavers
We offer additional support to care leavers. When applying through UCAS, please indicate if you have spent time in care. This is important information used in our contextual admissions process. We offer support to care leavers as well as having a dedicated support coordinator. www.st-andrews.ac.uk/study/access/care-leavers

Young carers
When applying through UCAS, please indicate if you are a young carer as this will form part of our contextual admissions process. To find out more information about the kind of support we can offer, as well as putting you in touch with a dedicated member of staff, please visit our website: www.st-andrews.ac.uk/study/access/young-carers

Alternative routes to university
Not everyone will take the same path when it comes to higher education. This is why we offer flexible entry routes and study options to ensure that there are opportunities to study with us if you have the potential, regardless of age or circumstance.

The Master of Arts (General) degree or Bachelor of Science (General) degree are programmes available to both full-time and part-time students. The General degree is an option if you are coming to us through an alternative route such as access courses, HNCs or you are returning to study after a sustained period of time out of education.

The General degree allows you to study a number of different subjects and typically extends over three years of full-time study. It will be possible to progress into a named Honours degree programme at the end of your second year if you meet the requirements of the academic School(s) involved.

There are options to study for a degree full time, part time or as part of our evening programme. www.st-andrews.ac.uk/subjects/study-options/lifelong-learning

“Access projects are key in opening St Andrews up to students who may have never really thought about studying here.”

Ronan (West Lothian, Scotland)
International students

You can **meet our staff** all over the world. **We visit** schools, attend fairs and run events throughout the year. Find out who visits **your country** online:  
www.st-andrews.ac.uk/study/meet-us

**Applying to St Andrews**

International students can apply to St Andrews through UCAS, Common Application or directly through our website. More information about the application process and entry requirements can be found on pages 166-169 and online.  
www.st-andrews.ac.uk/study/apply/ug

**Academic Induction**

This two-week course runs immediately before the semester starts and offers international students an all-round introduction to studying at St Andrews. With an emphasis on academic writing, appropriate use of sources and presentation skills, this course will help you understand our academic expectations as well as giving you an introduction to life at St Andrews.  
www.st-andrews.ac.uk/subjects/study-options/ug/induction

**Four-week pre-sessional course**

This course prepares you for studying at St Andrews, focusing on the academic language and skills you will need for your degree. You will develop your ability to use English in academic contexts and key skills such as reading critically and using sources appropriately. You will also learn about the academic, social and cultural life here. If your English language level does not satisfy the University’s requirements you may be asked to attend this programme as a condition of your offer.  
www.st-andrews.ac.uk/elt/presessional

**In-sessional English Language Service**

We offer an in-sessional English Language Service for students whose first language is not English. Workshops focus on specific groups or language levels, whilst tutorials will help develop your independent learning skills and allow you to get feedback on structuring longer written assignments.  
www.st-andrews.ac.uk/elt/IELS

**International Foundation Programmes**

Our International Foundation Programmes are designed to bridge the gap between high school and university for overseas students whose school-leaving qualifications are not recognised for direct entry to our undergraduate programmes. These programmes will enable you to develop your subject knowledge as well as the academic skills and high levels of English language proficiency you will need to study successfully for a degree in the UK. They also provide acculturation and orientation for life in the UK, helping you to settle in and feel more confident in your new home.

As these are the University’s own International Foundation Programmes they offer an entry route into all undergraduate degree programmes at St Andrews, but they are also widely recognised by other top-ranking British universities. We require an excellent high school transcript from your own country, and IELTS (Academic) 5.5 - 6.5, depending on the programme. You will be interviewed either in your country or online. Foundation Programmes start in September and January, further information can be found online:  
www.st-andrews.ac.uk/elt/foundation
St Andrews offers you an award-winning student experience that is regularly voted as amongst the very best by students in the National Student Survey. Whether you have existing activities you want to continue or explore whole new areas, you will always find something to get involved in.

In St Andrews you will find more than you would ever expect for a town of our size. The Students’ Association is home to over 160 different clubs and societies. Saints Sport has more than 50 different sports at all levels, and the University year is packed full of events and traditions. Put simply, there is never a dull moment in St Andrews.

The Students’ Association is at the beating heart of student life. Run by students, for students, there are opportunities to get involved in whatever interests you. Its three main areas – representation, activities and spaces – involve all our students and ensure that you can make the most of your time at university.

**Sabbatical Officers**

There are six student-elected representatives each year. They work full time in the Students’ Association and Athletic Union to support and enhance your student experience. They are:

- Students’ Association President
- Director of Student Development and Activities
- Director of Education
- Director of Wellbeing
- Director of Events and Services
- Athletic Union President

These Sabbatical Officers work for you so no matter what issue you may be facing, questions you want answered, or if you just want to have a chat, they will always support you and make sure your student experience is the best it can be.

**Subcommittees**

There are 11 subcommittees (or ‘super societies’) and all St Andrews students are automatically members. Whether you want to raise money for charity with the Charities Campaign, be a DJ on STAR (St Andrews student radio), produce a play, musical, or comedy show with the help of the Mermaids Performing Arts Fund, perform at a Music is Love Open Mic, or volunteer on various projects with St Andrews Voluntary Service (SVS), there is always so much for you to do outside of the classroom!

www.yourunion.net/activities/subcommittees

“Alongside providing support and representing our students to the University and the wider world, the Students’ Association offers immeasurable opportunities to expand your horizons and challenge yourself outside of the classroom. So much of your student experience will be shaped by the societies you join and the roles you adopt throughout your time at University. I would encourage all students to get involved!”

Charlotte Flatley, Director of Student Development and Activities, Students’ Association
Societies
The societies at the Students’ Association will likely be a big part of your time at St Andrews. There are currently over 160 different societies – in addition to the 11 subcommittees – covering almost everything you can think of. There are societies linked to academic subjects that allow you to develop academic skills, others that celebrate the huge range of cultures and countries our students come from, some that focus on a particular cause or organisation, and others that are just for fun – like the societies for baking, Dr Who, karaoke, and Harry Potter and Quidditch. You can find a list of all the current societies at: yourunion.net/activities

If you are not sure what societies you want to be a part of, there is the Societies Fayre at the start of each semester where you can meet all the societies and fellow students that share your interests. It is also really easy to start your own society, if there is something else that interests you.

Volunteering
There are lots of opportunities to volunteer at St Andrews. Whether your passions lie in the community, environment or in sport, volunteering allows you to give back to the community whilst also learning new skills and experience that will be valuable when you graduate.

Volunteering takes many forms, and can be anything from setting up events, community relations work, or hosting debating workshops. In the spring, all students are eligible to be elected as a Students’ Association officer and work to provide as many resources to students as possible. The time you spend volunteering is recognised by the University and is eligible to go on your Higher Education Achievement Report (HEAR) when you graduate.

Wellbeing
Whilst St Andrews places a lot of emphasis on the independence of our students, your wellbeing is always on the minds of both the University and Students’ Association. Student Services offer a wide array of support to students (see page 32) and the Students’ Association has student committees dedicated to promoting physical and mental health as well as equality. They support students throughout the year by providing organisations and life skills workshops, raising awareness of key wellbeing issues, and running mentoring projects such as the Peer Support Network. This ensures there is awareness of wellbeing issues throughout the year, support available when you need it and that all our traditions and activities remain fun and friendly.

Evening language courses
If you want to learn a new language, or develop existing language skills, but cannot fit it into your main timetable there is also the option to do extracurricular evening language classes. These courses offer a range of languages from beginner to advanced levels. They are not part of any degree programme and have a fee attached, but are an excellent way of improving your language skills. Languages currently being taught and fee information can be found online at: www.st-andrews.ac.uk/subjects/non-degree-courses/evening-language-courses

Golf
St Andrews is famous for golf, and to this day is home to the body that governs the game in most of the world – the R&A. If you are a keen golfer – or want to learn whilst you are here – then there will be plenty of opportunities to play on the seven courses in and around the town, and there are discounted green fees available to students living in St Andrews.

The town
For its size – the town measures barely three miles end to end – there is a lot in St Andrews. The town and University are inseparable, with buildings from both sitting alongside one another. Walk down the streets and you are as likely to come across a library or lecture theatre as the town hall or a coffee shop, giving St Andrews a great community atmosphere.

Being situated on the Fife coast also means there are unspoilt beaches, stunning countryside and clean, fresh air that allows you to sit and watch the world go by, surf, or go for a walk down the two miles of crisp sand. If you walk along to the end of the stone pier, you will also get a view you will remember for the rest of your life.

Getting to and from St Andrews
St Andrews has good transport links with the rest of country. Whether you are looking for a day out or to get home to the other side of the world, you have a range of options available to you.

Dundee, our nearest city, is a twenty-minute bus journey away, and is currently being transformed through its waterfront redevelopment, with the V&A Museum of Design (the V&A’s first museum outside London) opening in 2018, with a thriving nightlife and lots of shopping. Dundee is the perfect neighbour for St Andrews.

Edinburgh, about an hour away by train, is great for a day trip with its history, architecture and thriving cultural scene. It also boasts our nearest international airport, with flights across the UK, Europe and further afield.

Leuchars, our nearest railway station, is about ten minutes from St Andrews and is on the main east coast line, meaning you can catch a train to London and be there in about six hours.
Traditions

As you might expect from a university over 600 years old, we have a large number of traditions throughout the University relating to different societies, halls of residence and times of the year. They may seem odd at first, but combined they are highly memorable and form part of an experience you cannot get anywhere else. As with all things at university, you can choose what you want to get involved in.

Academic families
Most first year students are adopted by third or fourth year students. Along with other adopted students, they become ‘academic families’. Families are often based on the halls you live in, societies you are part of or through sports teams. Although this is not organised by the University, academic families act as an informal support network at the start of your time in St Andrews and often develop into friendships that last throughout university and beyond.

Raisin Weekend
Raisin Weekend is a two-day celebration that happens part way through the first semester. During Raisin Sunday your ‘academic parents’ will host parties and then on Raisin Monday they will dress you up, give you a ‘raisin receipt’, and take you to the famous shaving foam fight. Raisin Weekend is a fun way to welcome students to the University, but you can be as involved, or not, as you want.

The PH
The initials PH are embedded in the pavement outside St Salvator’s Quadrangle on North Street. There is a memorial to Patrick Hamilton, a St Andrews student, who was burnt at the stake for heresy during the Reformation in 1528, today you have to avoid stepping on the initials or, legend goes, you will fail your degree. The only way to reverse the misfortune of accidentally stepping on the PH is to take part in the May Dip.

The May Dip
Each year just before dawn on 1 May students gather on East Sands. As the dawn breaks they run into the North Sea in order to cleanse themselves of any ‘academic sins’ before they sit their exams.

Red gowns
If you come on one of our Visiting Days you will see a lot of people in red gowns. These eye-catching gowns were introduced during the late seventeenth century so that owners of the local taverns could easily spot students, as they were not allowed to drink. Today the gowns are purely ceremonial and are worn at formal occasions, University ceremonies, at Chapel services on a Sunday, on Pier walks and to welcome visitors to the University.
Sport

Whether you **compete** at national or international level, play **socially** or want to **get fit**, there are more than **60 sports clubs** and **sector-leading facilities** waiting for you.

Whether it is reaching the pinnacle of your sporting career, staying fit and healthy throughout your studies, having fun playing the sport you love or trying a sport for the very first time, Saints Sport provides opportunities to ensure that every student makes the most of their time at St Andrews.

Over half of the student body are involved with sport in some way, and over the last few years the University has invested over £14 million in the redevelopment of our sports facilities.

The Sports Centre now includes a 130-station gym, a dedicated Strength and Conditioning suite for performance athletes, a technical climbing wall, all-weather pitches, a four-court indoor tennis centre, and an eight-court indoor sports arena.

**Performance sport**

While performance is part of every club’s offering, the University has 12 sports that are part of the Performance Programme, each benefiting from increased support and a dedicated sport-specific Director or Head Coach. This support includes sport science interventions such as Strength and Conditioning and performance analysis, increased funding and greater access to training facilities and long-term development and performance strategies.

**Supported athletes programme**

St Andrews encourages individual sporting excellence by supporting talented athletes who are studying at St Andrews and competing at an international level. In addition, students competing for the University’s performance golf programme may apply for the prestigious Arnold Palmer Scholarship or an R&A bursary.

**Sports clubs**

There are over 60 sports clubs at St Andrews, offering activities for all levels of ability or aspiration, whether that is competitive or recreational. Over 100 teams compete annually in British Universities & Colleges Sport (BUCS), Scottish Student Sport (SSS), local and national leagues and cup competitions, with many more students competing on an individual level. Most of our clubs also offer recreational activities, giving students an amazing opportunity to regularly experience the beauty of the Scottish Highlands and travel further afield.

**Hall sport**

All of our halls of residence take part in a year long inter-hall sport competition. With 35 different events offered and nearly 500 matches throughout the year, hall sport is open to all students and is a great way to meet new people and get active.

**Health and fitness**

The Saints Fitness programme offers a full range of services to all our students including fitness consultations, personal training, and Strength and Conditioning support. Our varied exercise class programme runs all-year-round and is tailored to suit all levels and abilities. With over 40 classes per week including Yoga, Pilates, Zumba, Spin, and Barre Fit, our instructors are here to help you get the most out of your workout, whilst helping you to improve your overall fitness.

**Volunteering opportunities**

There are many opportunities to volunteer within sport during your time at St Andrews. The University assists students seeking to gain coaching and referee qualifications and much of our activities are supported by student volunteers. Student coaches from our sports clubs run regular taster sessions in local schools, coach at after-school clubs and take sport-specific training sessions for local clubs. Our international volunteering projects also offer students a wonderful opportunity to enhance their global awareness and develop their leadership, coaching and teaching skills.

www.st-andrews.ac.uk/sport
Whether performing in ensembles or productions, studying music as part of your degree, receiving individual lessons or attending the many concerts that take place each year, music at St Andrews is rich and diverse. Our staff work with musicians from all backgrounds, interests and levels of experience; whatever your musical interests you will find something here to enjoy.

Academic classes
The Music Centre offers a range of classes that can be taken as part of your degree. If you already sing or play an instrument to a high level, the courses offer increasingly specialised studies in performance, culminating in a public recital. We also offer courses that can be taken without any previous study that will develop your understanding of musical theory and history, or introduce you to electronic music, Scottish music or opera.

Lessons
Regardless of what degree you are studying, the Music Centre offers you lessons on almost any orchestral instrument or voice. Lessons can be arranged at all levels, with highly experienced teachers who combine teaching with their performing careers. Scholarships to cover the cost of lessons are awarded on the basis of competitive auditions at the start of each year.

Groups
There are groups in St Andrews performing in just about every musical style and genre, whether run by the Music Centre or one of the very active student-run societies. Our students also receive numerous musical opportunities, which in previous years have included singing with the St Salvator’s Chapel Choir on tours across the world, working with professional soloists in orchestral concerts or appearing in fully staged operas. St Andrews also offers exceptional opportunities in musical theatre and a cappella singing. Whatever your musical interests, you will be able to make music with fellow students who share them.

Facilities
The University is currently investing in a new, purpose-built Music Centre, due to open in 2019. The new Music Centre will include a recital room, practice rooms with pianos that will be accessible at all times, suites of studios for electronic music and recording, a library and rooms for group rehearsal. Practice rooms are also available in the Students’ Association and in many of the halls of residence. Concerts and staged performances regularly take place in the Younger Hall, the Byre Theatre, the Students’ Association and the University’s two beautiful mediaeval chapels.

Concerts
St Andrews has an extraordinarily rich concert programme, which draws on the talents both of the student body and of visiting professional musicians from across the world. We are the only Scottish university and one of very few in the UK with a professional orchestra in residence, the Scottish Chamber Orchestra, who visit five times a year and whose members regularly coach and play in concerts alongside our students. We host annual festivals of new, vocal, and wind and brass music, as well as lunchtime and evening professional concerts.

www.st-andrews.ac.uk/music
Accommodation

The University has nearly 4,000 beds across our nine halls of residence. Our accommodation guarantee means that you know you will have accommodation for your first year. You can find out more about our accommodation and the conditions of the guarantee online: www.st-andrews.ac.uk/study/accommodation
Accommodation choices
Our residences are located throughout the town and all are within walking distance of University buildings and the town centre. They range from beautiful stone buildings full of original period features, to stylish new apartments, with en-suite bathrooms, which are built to high environmental and sustainability standards.

Most of the rooms in our historic residences are shared. Individual and en-suite rooms are available in our more modern halls.

More than just a place to stay, our residences are a place to live. Whether you live in one of our old historical buildings or one of our contemporary residences you will have a Wardenennial Team (University staff and postgraduates) on hand for advice and support and a committee to organise events.

The Wardenennial Team take responsibility for encouraging a sense of community and will also be the first point of call if a health crisis occurs, or if you have a personal problem. They keep order and are responsible for student discipline. Their roles also involve mentoring, advising and providing support.

Each residence also has a Senior Student and Hall Committee who take on the responsibility of looking after the social life of the residence, organising BBQs, receptions and balls, and representing student opinion to the management.

If you require accommodation in the inter-semester break in January you should select an en-suite option as the catered standard residences close during this period. If you have a specialist, vegan, Halal or Kosher diet, you should select a self-catered option. The University also gives all possible assistance to those with disabilities or limiting long-term illnesses – please provide full information on your application of anything that is likely to impact your accommodation needs.

What is available?
All our halls are different, and you should look at the options online to see which is best for you.

All bedrooms include a bed, desk, chair and a range of storage for clothes and books. Laundry facilities are available using prepaid cards. Hall fees also include wifi access throughout the halls, Hall Committee subscriptions and bike storage.

How and when to apply
Once you receive – and accept – your offer, you can apply for accommodation. Please do not wait for your offer status to change, regardless of whether your offer is conditional or unconditional. You can apply for accommodation from 1 April of your year of entry. In order to be guaranteed accommodation you must apply before 30 June. Full details of the application process can be found online.

www.st-andrews.ac.uk/study/accommodation
+44 (0)1334 462510

Catered accommodation
- A range of catering packages from 14 to 19 meals a week.
- A wide range of menu items, including vegetarian and healthy choices.
- Compact kitchens so you can make drinks and snacks between meals.
- A central dining room in each catered hall to eat, meet people and socialise in.
- Packed lunches and dinners, if you are not able to get to a meal.
- We have a commitment to ethically sourced, quality products, sourcing sustainable and seasonal produce wherever possible.

Self-catered accommodation
- Total flexibility over what and when you eat.
- Shared kitchens with lockers for food storage.
- Kitchens equipped with cookers, microwaves, fridges, freezers and kettles.
- Various cafés across the University for when you do not want to cook.
Support and welfare

St Andrews takes the welfare of its students seriously, and there is support available to you.

Coming to university is an exciting time, but can also be challenging. During your time at St Andrews there may be times when you need advice or guidance. The University offers a wide range of support to ensure that, on both an academic and personal level, your experience as a student is successful and fulfilling.

Student Services provides a range of services, including:

• The Advice and Support Centre (ASC) information centre for students
• Disabilities team
• Life and wellbeing advice
• Counselling and mental health
• International and immigration advice
• Advice on money and finances
• Advice on academic issues
• Wardens and residential support for students in University residences.

The ASC
The Advice and Support Centre (ASC) is the first port of call for any queries. Staff at the ASC are happy to answer any question, from paying bills to obtaining an academic transcript, seeking advice on visas, looking for help with a personal issue, or any other student matter. The team can also book appointments with one of Student Services’ specialist advisers for further support and advice.

Health
There are two external primary care medical practices in St Andrews with many years of experience dealing with the student community. Details of the local NHS services available in St Andrews can be found online:

www.st-andrews.ac.uk/study/support/healthcare

Disabilities
Within the University’s Student Services team, there are disability and specific learning difficulties advisers. They can be contacted at any stage of the application process for information, advice or support by emailing disability@st-andrews.ac.uk. Applicants are encouraged to make their needs known on their application form.

Wellbeing and counselling
There may be times when you want professional support to resolve difficulties you encounter. Student Services’ counselling and wellbeing services work to help you access the assistance you need to have a well-balanced life. The team includes life and wellbeing advisers, counsellors and a mental health coordinator.

www.st-andrews.ac.uk/study/support/student

Chaplaincy and faith
The University Chaplain and all in the Chaplaincy offer friendly, non-judgmental support to all students regardless of faith or philosophy of life. The Chaplaincy offers worship in the University, and looks after space which is available for prayer and meditation as well as meetings, events and meals. A team of Honorary Chaplains from different faiths, including Humanism, supports a number of student-led faith societies, as well as events for international students. Any student can receive pastoral care led by the Chaplain. Further information can be found online:

www.st-andrews.ac.uk/study/support/chaplaincy
chaplaincy@st-andrews.ac.uk
+ 44 (0)1334 462866

Contact
More information about how the University will support you can be found online or by contacting Student Services.

www.st-andrews.ac.uk/studentservices
theasc@st-andrews.ac.uk

St Andrews takes the welfare of its students seriously, and there is support available to you.
Study facilities

You will spend considerable time at university conducting your own research and reading. Our study facilities give you space to do this.

In addition to the libraries, there are many dedicated rooms across halls of residence and academic buildings where you can find the study environment that suits you.

Libraries
More than just a building full of books, a library is a central pillar of university life. It is a place to study and access information with staff on hand to support you in your work. Everyone studies in different ways, which is why you can choose from a number of study environments, including the café, silent areas, group study rooms and some more informal areas. You can access a vast array of digital resources and online journals from any of these spaces, as well as across the University and beyond.

The Main Library:
• Is located in the centre of town.
• Has over 1,000 study spaces in a range of styles to suit how your study.
• Is open for more than 100 hours per week during the semester.
• Holds over one million volumes, a large e-book collection, thousands of print and electronic journals and academic databases.
• Provides expert support from members of our specialist Academic Liaison Librarian Team.
• Provides help and training on finding information.
• Has lots of computers for you to use.
• Provides a Short Loan Collection of heavy-demand books recommended by lecturers.

In addition to the Main Library, there are two other libraries:
• The JF Allen Library (North Haugh), holds books and journals for most science subjects.
• St Mary’s College Library for Divinity and Mediaeval History, including the historic King James Library, the oldest university library in Scotland, is located in St Mary’s Quadrangle.

You are also entitled to borrow from the nearby libraries of the universities of Dundee and Abertay.

www.st-andrews.ac.uk/library
Twitter: @StAndrewsUniLib
Facebook: @StAndrewsUniversityLibrary

IT and technology
• Wifi access in all of the University buildings, including halls of residence.
• On-demand streaming of software apps.
• Microsoft Office for your personal devices, including ITB cloud storage and Office 365 apps.
• Computer classrooms across the University, many open 24 hours a day.
• A PC Clinic providing you with technical repairs for your own devices (charges apply).
• Printing, copying and scanning facilities in over 60 locations – you can use these from any University PC or your personal device.
• IT help and support on the IT webpages, plus an IT Help point in the Main Library.

www.st-andrews.ac.uk/itsupport
Twitter: @StAITServices
Graduate prospects

At St Andrews you will have **access** to a whole **range of support** to **enhance** your **future prospects**. All students can benefit from our professional development programmes, careers and internship **advice and support**, and a **lifelong connection** with the University through our alumni connections.

**Employability**
As well as a challenging academic culture, studying at St Andrews will give you a range of opportunities to develop skills that will enhance your employability. The opportunities for students to take responsibility through societies, events, volunteering and sport mean that St Andrews graduates are not just academic high achievers but also well-rounded and prepared for their careers.

**Academic and professional development**
All students are eligible to take part in the Professional Skills Curriculum, run by CAPOD (the Centre for Academic, Professional and Organisational Development), which offers a range of workshops and resources to develop key skills that graduate employers value. Topics such as teamwork, leadership, problem solving and confidence-building are delivered via a blend of online workshops, evening lectures and practical skills sessions. This programme is endorsed by the Institute of Leadership and Management and is recognised on a student’s Higher Education Achievement Report (HEAR) when they graduate.

CAPOD also offers a number of other support and development opportunities for our students, including academic and IT skills, details of which can be found online: www.st-andrews.ac.uk/capod/students

**Careers advice and opportunities**
The Careers Centre is available to all students and provides resources and support to enable you to decide on the career direction you want to take, gain relevant work experience and acquire the employability and career planning skills you will need to succeed on whichever career path you choose to take.

- Careers advisers provide individual guidance and coaching, as well as group workshops.
- Careers fairs and other opportunities to meet top graduate employers.
- There are extensive digital resources on internships, graduate job vacancies, postgraduate study information and funding advice on a global basis.
- Unique opportunities are available for St Andrews students through our own internships and work shadowing programmes, both in St Andrews and around the world.
- There is access to our alumni network, personalised networking support and networking events worldwide.
- For those looking for internship and graduate jobs internationally, there are International Opportunity Managers.
- We provide advice for those looking to go on to further study.

www.st-andrews.ac.uk/careers

**Our alumni**
Being a student at St Andrews is not just for the length of your degree programme, it is a connection for life. Our alumni stretch the entire world, all connected by the common shared experience of St Andrews. As well as lifelong benefits like careers and networking support from the University, it allows you to connect with fellow alumni, keep in touch with the University and maybe one day help the next generation of students as they start their journey.

www.st-andrews.ac.uk/development/alumni

91% of our graduates are in work or further study **within six months** of graduation.
St Andrews from St Salvator’s Chapel tower
Faculty of Arts

“The Faculty of Arts is a collaborative community of scholars who collectively produce outstanding research and innovative teaching; we are clearly amongst the best in the world, as rankings consistently show. The intellectual life of our scholarly family – students and staff together – is therefore wonderfully rich. Because of this, your experience in the Faculty of Arts will help you to explore unexpected possibilities, to develop your critical skills, and to live up to your potential.”

Professor Paul Hibbert
Dean of Arts & Divinity

MA (Master of Arts) Honours – four years
BA (Bachelor of Arts) International Honours – four years
MA (Master of Arts) General – three years

“The flexibility of studying here has allowed me to take French and Spanish whilst also continuing to take other courses in subjects that I care about like music, for example. In first year, I took a music course in one semester and a linguistics one the next.”

Caitlin (Glasgow, Scotland)

As part of your degree, you may select classes from the following subject areas:

Certain classes have pre-requisites. More information about these subjects can be found online: www.st-andrews.ac.uk/subjects

St Andrews has a centuries-long tradition of teaching in the arts, and today we continue to teach arts, humanities and social sciences subjects at the highest possible level. Studying in the Faculty of Arts will allow you to take the passion you have for a particular subject further and also to explore new areas of study that interest you.

Through the teaching of leading academics and learning, alongside students from all over the globe, not only will you experience an outstanding education but also hear different perspectives from classmates with diverse backgrounds.
Faculty of Divinity

“The Faculty of Divinity is a centre of excellence in research and teaching. Theology is ranked first in the UK by students in the National Student Survey in both 2016 and 2017, and in the top twenty departments in the QS World University Rankings.”

Professor Paul Hibbert, Dean of Arts & Divinity

MThol (Master of Theology) Honours – four years
MA (Master of Arts) Honours – four years

“I entered the University studying Joint Honours Geography and Theological Studies; being able to take courses from both Schools allowed me to tailor a degree that most suited my interests.”

Josh (Wiltshire, England)

As part of your degree, you may select classes from the following subject areas:

Certain classes have pre-requisites.

More information about these subjects can be found online: www.st-andrews.ac.uk/subjects

Faculty of Medicine

“When you study Medicine at St Andrews you get an outstanding grounding in the sciences that support medicine and a significant introduction to the clinical skills you will require throughout your career.”

Professor David Crossman, Dean of Medicine

BSc (Bachelor of Science) Honours – three years

“The diversity of the programme allows us an insight into medicine as seen throughout the world, from both a clinical and scientific perspective by staff from various academic and clinical backgrounds.”

Hannah (Ontario, Canada)

As part of your degree, you may select classes from the following subject areas:

Certain classes have pre-requisites.

More information about these subjects can be found online: www.st-andrews.ac.uk/subjects

Gateway to Medicine

The Gateway to Medicine programme is taught through the Faculty of Science but with contributions from staff in the Faculty of Medicine. The purpose of the programme is to promote the uptake of higher education, specifically the study of Medicine, among those groups that are traditionally under-represented at university. Further information is on page 126 and online: medicine.st-andrews.ac.uk/teaching/bsc-hons-medicine/gateway-to-medicine
Faculty of Science

“Studying a science in St Andrews means you will be part of a Faculty at the forefront of teaching and research. Our eight science Schools are communities that bring together academics, researchers and students from all over the globe to create an outstanding learning environment in our unique location.”

Professor Douglas Philp
Dean of Science

BSc (Bachelor of Science) Honours – four years
MBiochem (Master in Biochemistry) Honours – five years
MBiol (Master in Biology) Honours – five years
MChem (Master in Chemistry) Honours – five years
MGeol (Master in Geology) Honours – five years
MMarBiol (Master in Marine Biology) Honours – five years
MMath (Master in Mathematics) Honours – five years
MPhys (Master in Physics) Honours – five years

The great thing about St Andrews is that you can take other subjects during your first two years. My choices spanned the different fields of mathematics on offer in St Andrews. In my Honours years, I took more subjects in statistics, such as Bayesian Inference, experimental design and computing in statistics.”

Justin (Perak, Malaysia)

We are extremely proud of our science teaching at St Andrews and consistently appear at the top of the National Student Survey for student satisfaction. In all of the eight science Schools at St Andrews you will experience research-led teaching and be taught by leaders in their respective fields. Small group teaching is common and you will be able to explore your chosen subject in small groups and in state-of-the-art laboratories. The Faculty provides a variety of programmes leading to an Honours degree in science.

As part of your degree, you may select classes from the following subject areas:
Astronomy, Astrophysics, Biology, Chemistry, Computer Science, Earth & Environmental Sciences, Economics, Geography, Geology, Management, Mathematics, Neuroscience, Philosophy, Physics, Psychology, Statistics, Sustainable Development.

Certain classes have pre-requisites.
More information about these subjects can be found online:
www.st-andrews.ac.uk/subjects
Ancient History is a greatly diverse subject. You will utilise a range of sources to study the political, social and cultural history of the Mediterranean world, including topics such as imperialism, slavery, religion and warfare.

- Wide range of specialist topics covering all periods of ancient history, from archaic Greece to late antiquity.
- Archaeology is integrated into Ancient History throughout, with specialist Archaeology courses in third and fourth years.
- No prior experience required: you can start studying Ancient History here.
- Option to learn Latin and Greek from scratch alongside your Ancient History courses.

**What will I study?**

**Ancient History**

Ancient History at St Andrews is an exciting and wide-ranging subject that covers not just the ancient Greeks and Romans but also some of their neighbours, such as the Persians and Phoenicians. Key specialisms at St Andrews include ancient religion, gender, historiography, economics, warfare, empires, and cities and urban living. The Ancient History degree will take you on a fascinating journey to the heart of two complex and varied societies that are both deeply familiar and profoundly strange.

**Ancient History & Archaeology**

Ancient History & Archaeology combines the best of ancient history with the special insights that the study of material culture can bring. This degree will take you to the heart of key debates on all areas of life in the ancient Mediterranean, including urbanism, religion, trade, warfare and cultural identity.

**Both programmes:**

**First year**

You will study Greece from the emergence of Greek civilisation in the eighth century BCE to the conquests of Alexander the Great in the fourth century BCE, and Rome from its foundation to the rise of Augustus, the first emperor. You will also learn how to interpret a wide range of evidence, from written histories to inscriptions and archaeology.

**Second year**

You will study the Roman empire from Augustus to Constantine, exploring its politics, organisation, religion, and economy. Then you will take a long view of human settlement in the Mediterranean to the seventh century CE, focusing on archaeological evidence and interpretation to understand how the Greeks, Romans and their neighbours sustained their civilisations.

**Third and fourth years (Honours)**

You will choose from a wide range of specialist courses to pursue your own interests. Recent courses in archaeology have included the city of Rome, Minoan Crete, and Greek sculpture and pottery. Recent topics in ancient history have included Greece and the Persians, ancient religion, Roman slavery, and empires in antiquity.

**Entry requirements**

We consider all aspects of every application, including context, equivalent qualifications and the Personal Statement. Offers may be higher or lower than the grades stated here. See also page 169.

See arts combinations, pages 172-173

Available degree options

<table>
<thead>
<tr>
<th>Single Honours</th>
<th>BA</th>
<th>International Honours</th>
<th>MA</th>
<th>Joint Honours</th>
<th>MA</th>
<th>Triple Honours</th>
<th>MA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ancient History</td>
<td></td>
<td>Classical Studies - Ancient History and Archaeology pathway</td>
<td></td>
<td>Ancient History and one of 17 other subjects</td>
<td></td>
<td>Ancient History and two modern languages</td>
<td></td>
</tr>
<tr>
<td>Ancient History &amp; Archaeology</td>
<td></td>
<td></td>
<td></td>
<td>See arts combinations, pages 172-173</td>
<td></td>
<td>See triple combinations, pages 136-137</td>
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</tbody>
</table>

Previous knowledge of subject required? No

“I chose Ancient History as St Andrews offers a broad range of classes taught around the research interests of the lecturers, so going into the class you know that it is a topic being actively researched and contributed to by the people teaching you.”

George (Texas, USA)
Available degree options

<table>
<thead>
<tr>
<th>MA</th>
<th>MA</th>
<th>BSc</th>
</tr>
</thead>
<tbody>
<tr>
<td>Joint Honours</td>
<td>Triple Honours</td>
<td>‘With’ Honours</td>
</tr>
<tr>
<td>Arabic and one of 23 other subjects</td>
<td>Arabic and two other modern Languages</td>
<td>Biology with Arabic</td>
</tr>
</tbody>
</table>

See Arts combinations, pages 172-173

See Triple combinations, pages 136-137

Previous knowledge of subject required? No

Whilst studying Arabic at St Andrews you will not only gain a high level of competence in language skills in Modern Arabic, but you will also learn the language of the Arabic media and literature.

- You can take Arabic with a wide range of other subjects.
- You will be taught by a small but diverse team of academics and language tutors in each year.
- You will be taught by scholars whose research and literary translation work are internationally recognised.
- You will gain a knowledge of both classical and contemporary Arab culture.
- The Department was ranked first in the UK in The Times and The Sunday Times Good University Guide 2018.

What will I study?
The topics covered include the language of the Arabic media and classical and modern language and literature. You will be exposed to a wide range of texts and media, including classical poetry, the Qur’an, the Thousand and One Nights, modern short stories and films, news bulletins, videos and articles from the Arab media. You will acquire a high level of competence in language skills. You can progress to Joint Honours in Arabic and a wide range of other subjects, including Persian, Middle East Studies, modern European languages, International Relations, English, Modern or Mediaeval History, Mathematics.

First year
The Arabic courses will enable you to read, write and converse in simple Modern Standard Arabic. The Arabic alphabet, writing system and basic Arabic grammar are covered. A selection of non-literary modern Arabic texts will be used in class as the basis of language teaching, classroom drills, tests and written assignments and oral class work.

Second year
These courses will enable you to read and write Modern Standard Arabic to intermediate level and to speak in standard Arabic with a limited vocabulary. Oral work and written class work will be based on a series of texts relevant to contemporary issues and culture.

Two optional courses, providing an introduction to classical Arab culture and an introduction to Middle Eastern history, are relevant for any student interested in Arabic.

Third and fourth years
(Honours)
In addition to core language courses, you can choose from a range of modern and classical topics. You can write a dissertation on a topic of your choice with an individual supervisor.

Study abroad
You can choose to study for a semester in an Arab country. Arabic students also participate in the University-wide St Andrews Abroad programme. Further information on page 133 and online.

www.st-andrews.ac.uk/study-abroad

Entry requirements
We consider all aspects of every application, including context, equivalent qualifications and the Personal Statement. Offers may be higher or lower than the grades stated here. See also page 169.

www.st-andrews.ac.uk/subjects/entry

SQA Highers: AAAB
GCE A-Levels: AAB
International Baccalaureate Points: 36

Entry text: "Studying Arabic here has been hugely rewarding. The language itself is just as fascinating and rich as the world of countries and cultures that it opens up. Having already done a year’s work placement in France as a Joint Honours Arabic and French student, I was delighted to be able to also study abroad for a semester in Morocco to experience the culture first hand and develop my speaking skills." 

Hannah (Wiltshire, England)
You will study art from the mediaeval to the modern periods, focusing on painting, sculpture and architecture as well as applied arts, graphics and photography. You will learn to assess images both critically and perceptively.

- Art History at St Andrews is long established and renowned.
- Art History at St Andrews takes pride in being student-friendly, and cultivating a collegial, supportive learning environment.
- Art History at St Andrews offers a wide range of topics for study.
- Art History at St Andrews is led by recognised scholars in the field.
- Art History at St Andrews offers an array of approaches to learning.

**What will I study?**

We provide a context in which you will gain intellectual breadth and learn to become verbally and visually articulate. You will learn to assess images, artworks and architecture of all kinds, both critically and perceptively. We do not teach technical or practical art skills – although previous experience in these, perhaps in the context of a Higher or an A-Level, would certainly provide a useful background.

We focus on the histories of the so-called ‘major arts’ (painting, sculpture and architecture) but also encompass the applied arts, graphic arts and photography. A wide range of factors are considered: the analysis of style, content and meaning, politics, patronage and social significance, broad questions of theory and aesthetics.

**First year**

We offer two main areas for study. The first comprises the art of Renaissance Italy and northern Europe. This provides you with a chronological survey covering painting, sculpture and architecture in Italy and Northern Europe 1280 – 1580. The second is a survey of European art and architecture in the seventeenth and eighteenth centuries. This begins with a study of Baroque art and architecture in Italy and then moves to the Low Countries, Spain, France and Britain.

**Second year**

You will study one course in the history and theory of European art, architecture and design from the French Revolution to Vienna 1900. This focuses on the most significant art-historical developments of the long nineteenth century. Our second course covers art, culture and politics from 1900 to now. Here you will explore some of the most compelling episodes and issues of international twentieth- and twenty-first century art.

**Third and fourth years (Honours)**

You can choose subjects from a wide range of options, most of which correspond to the research interests of individual members of staff. In the third year, all Single Honours students take a core course in the first semester (optional for Joint Honours students). This is designed to further your understanding of major art-historical issues.

**Entry requirements**

We consider all aspects of every application, including context, equivalent qualifications and the Personal Statement. Offers may be higher or lower than the grades stated here. See also page 169.

SQA Highers: AABB
GCE A-Levels: AAB
International Baccalaureate Points: 35

“The Art History programme starts with the Renaissance period and progresses up until the modern day, training us to look beyond the artwork and understand the political, historical and social context. The first two years serve as a foundation for the specialisation undertaken in Honours, where the focus is on narrower topics. The support from the staff is great; they are always available to offer guidance and advice.”

Valeria (Chisinau, Moldova)
The following topics (among others) are currently taught, although applicants are advised that this list is subject to change in line with the availability and teaching cycles of staff: art of the mediaeval period, Gothic architecture, Renaissance painting, sculpture and architecture, nineteenth-century art, history of photography, Orientalism and art, Russian art, Islamic art, twentieth-century modernism, contemporary art.

If you are thinking of a career in teaching you can also take the Communication and Teaching in Arts and Humanities course.

Study abroad
Art History students participate in the University-wide St Andrews Abroad programme. You may also have the opportunity to participate in our School Abroad exchange programme. For information about study abroad options, please see: www.st-andrews.ac.uk/study-abroad

Careers
A degree in Art History from St Andrews will provide you with an excellent foundation for a career in a wide range of fields, not least those associated with the arts.

Graduates in Art History often work in museums and galleries, arts administration, the art trade, or teaching.

In addition, many go on to careers in: publishing, media, marketing, public relations, law, business and finance, retail, catering and hospitality.

Graduates in Art History are popular with employers because they have numerous highly significant transferable skills. At St Andrews students are trained to present in various media (orally and visually, as well as through written work), to meet deadlines, hone their editorial skills, provide critical appraisals, and to work collaboratively with other students.

In recent years our graduates have secured employment in a wide range of positions, including at the BBC, Sotheby’s, Christie’s, Legal and General, National Museums Scotland, the British Library, Phaidon Press, Country Life magazine, Vertigo Films, The Week magazine, Tiffany and Co., as well as numerous regional museums and galleries.

A good number of Art History graduates go on to further study. This can be in the discipline itself, or in associated fields, or other humanities. Those seeking careers in museums and galleries, particularly as curators or administrators, often take relevant postgraduate degrees for these, including the Museums and Gallery Studies programme at St Andrews.

“Art History allows you to view the world and its history through an aesthetic and social perspective. We cover a huge breadth of western art history, from the Renaissance to the present. The course is also quite broad including lectures on Islamic art and includes field trips to galleries in Edinburgh and Glasgow.”

Gemma (Hong Kong)
You will study life at all levels of organisation, from the molecular biology of virus replication to the behaviour of animals in their natural habitats, and the functioning of entire ecosystems.

- Flexible, modular degrees spanning a range of disciplines across the biological sciences.
- Integrated Masters degrees in Biology, Biochemistry and Marine Biology.
- A strong focus on analytical, research and quantitative skills provides an extensive training in scientific method.
- Lectures are augmented by substantial practical experience (in lab and field) and by regular small group tutorials.
- An independent research project provides key skills in experimental design, data collection, analysis and presentation, and vital preparation for a career in research.
- Small group, research-led teaching allows in-depth discussion and dissection of current science across a broad range of topics.

What will I study?
We offer the whole spectrum of the biological sciences, from molecules and cells to organisms and environments. After a broad-based introduction, you will take ever more specialised courses, culminating in an experimental research project in an area of your choice. You will graduate with a BSc (Honours) degree, such as Biology, Biochemistry or Marine Biology, or with a joint degree together with a second subject such as Economics, or with an Integrated Masters degree.

First year
You will study the whole breadth of biology, from molecules and cells through to evolution, ecology and organismal biology. You will gain hands-on experience through participation in weekly lab- and field-based practical classes.

Second year
You will begin specialising in areas of interest. You will have the opportunity to study cell and molecular biology, biochemistry, evolution, ecology, zoology and comparative physiology. You will also study research methods and attend lab- or field-based practical classes.

Third and fourth years (Honours)
In your first Honours year, you will study advanced topics in your specialism, allowing you to further enhance your subject knowledge and practical skills. In your second Honours year, you will study in small group, research-led classes and will carry out an individual year-long experimental research project.

Integrated Masters (five years)
In your fourth year, you will undertake a year-long research placement within industry or at a research institute, usually away from St Andrews. The following year, you will return to study advanced classes in your chosen specialism.

Direct entry into second year
Note that minimum entry requirements are higher for applicants intending direct entry.

Entry requirements
We consider all aspects of every application, including context, equivalent qualifications and the Personal Statement. Offers may be higher or lower than the grades stated here. See also page 169.

Qualifications must include Biology (or Human Biology) and one other science from Chemistry, Mathematics or Physics.

All degrees except Biochemistry:
- First year entry
  - SQA Highers: AAA
  - GCE A-Levels: AAB
  - International Baccalaureate Points: 36, including HL6 in Biology and HL6 in one of Chemistry, Computing Science or equivalent, Physics, Design Technology, Mathematics or Further Mathematics.

Direct entry into second year
- SQA Advanced Highers: All A grades
- International Baccalaureate Points: 38, including HL6 (see above).

BSc Biochemistry and MBiochem
- Qualifications must include Biology (or Human Biology) and Chemistry.

First year entry
- SQA Highers: AAA
- GCE A-Levels: AAB
- International Baccalaureate Points: 36, including HL6 in Biology and HL6 in Chemistry.

Direct entry into second year
- SQA Advanced Highers: All A grades
- International Baccalaureate Points: 38, including HL6 (see above).
Our degree programmes:

Biology

Firmly set in an evolutionary framework, this degree covers why behaviour evolves, and how it develops. You will examine the building blocks of behaviour, such as its genetic and neural basis, and the role behaviour plays in ecosystem function. You will learn about cutting-edge research in a variety of topics including animal cognition, communication, and culture. Your final year research project might involve collecting data on animals at overseas field sites, on the shores or in the fields of Fife, or in research laboratories in St Andrews.

Biochemistry (BSc or MBiochem)
You will study recent advances in our understanding of the structure and function of macromolecules, alongside cell biology and organisinal biology, developing an appreciation of the interdisciplinary nature of biochemistry. You will learn how biochemistry is providing solutions to global challenges, such as the urgent need for novel antibiotics or drugs to combat emerging diseases, and for crops with improved yields. You will study protein structure and function, gene regulation, bioenergetics, infection and disease, and pharmacology. For the MBiochem, see also Integrated Masters on page 55.

Ecology & Conservation

You will discover key principles to understanding the diversity of environments, both terrestrial and aquatic, the processes of evolution and speciation, the interactions between plants and animals, and animal behaviour. You will also see their application in biodiversity, sustainability and conservation issues. You will take a field course on the Pembrokeshire coast and conduct research with one of our leading researchers in ecology and conservation. Your project could focus on the impacts of disturbance on coral reefs, for example, or on wind turbines on bird populations, and will provide crucial training in experimental design, data collection and analysis.

Ecology & Conservation

This degree focuses on the theory of evolution, via courses in evolutionary genetics and evolutionary ecology. The impact of evolution on animal and plant interactions, terrestrial and aquatic ecology, biodiversity and conservation, and infection and disease. You will take a field course on the Pembrokeshire coast and work with one of our outstanding evolutionary biologists for your research project. This might involve research on why animals typically produce an equal ratio of daughters and sons, the genetic basis of speciation, or the molecular evolution of animal development.

Marine Biology (BSc or MMOBiol)
These degrees will teach you about the diversity of marine life from the deep sea to estuaries, and from tiny cells to large marine mammals. Topics at an advanced level will cover marine molecular ecology, genomics and marine microbiology, and the ecology of marine mammals. The shores of the North Sea make St Andrews the ideal place to study marine wildlife in its natural habitat. You will have the opportunity to learn not only in the lab, but also out in the field. You can access the world-renowned Scottish Oceans Institute, which incorporates the world-class Sea Mammal Research Unit, in order to facilitate your study. For the MMOBiol, see also Integrated Masters on page 55.

Molecular Biology
You will study core topics in molecular biology, such as nucleic acid structure and function, chromosome dynamics, gene structure and expression, molecular genetics, molecular virology, structural biology and bioinformatics. There are advanced classes in protein structure and function, gene expression and infection and immunity. You will choose from a range of small group, research-led classes that currently includes chromosomal DNA replication, chromatin structure and genome dynamics, and molecular virology. Your final year project is typically conducted with one of the internationally recognised research groups working in the University’s Biomedical Sciences Research Complex.

Zoology

Embark on a wide-ranging exploration of the animal kingdom, encompassing the structure, development, evolution, classification, behaviour, and distribution of all types of animal, both living and extinct. Courses will enable you to understand animals from their genes to their cells, through their physiology and development, to their behaviour and the roles they play in terrestrial and aquatic environments. You will undertake a research project that builds on any question concerning the animal kingdom: the breadth encompasses insects and birds avoiding being eaten, how animals recognise possible mates, and how animals gain information from each other.

Study abroad

Biology students participate in the University-wide St Andrews Abroad programme. You may also have the opportunity to participate in our School Abroad exchange programme. For information about study abroad options, please see: www.st-andrews.ac.uk/study-abroad

Careers

Graduates from the School of Biology have a wide range of skills sought by employers: lab and field data collection, data handling and presentation, problem solving, teamwork, planning, and organisation and communication skills. Our graduates have secured employment as clinical scientists, consultant ecologists, marine mammal scientists, museum curators and school teachers. Beyond biology, our recent graduates have gained employment in a wide variety of business sectors such as marketing and finance. Others have gone on to study for a wide range of Masters and PhD programmes in the UK and overseas.

Additional compulsory costs

Students need to cover costs for lab and course materials of up to £25 per year. In third year up to £100 is required for either a field trip, a reading party excursion or a biochemistry lab class. Some fourth year optional classes involve substantial additional costs. Students on Integrated Masters degrees may also encounter increased accommodation costs in their fourth year if they choose to take industry or research placements outside St Andrews.
Chemistry

www.st-andrews.ac.uk/subjects/chemistry
chemug@st-andrews.ac.uk

Chemistry is an exciting central science in which you will receive a thorough and fundamental training. You will be able to specialise in areas including medicinal chemistry, nanotechnology, materials, catalysis, molecular biology and surface science.

- Friendly and close-knit School, consistently ranked in the top ten Chemistry departments in the UK.
- Flexible degree structure with an opportunity to specialise in Materials Chemistry, Medicinal Chemistry or Biomolecular Science.
- Opportunity to gain research experience in both industrial and academic environments through an external placement and research project.
- Practical training in award-winning, state-of-the-art teaching laboratories.

What will I study?
Chemistry at St Andrews offers you a unique experience blending education in state-of-the-art science facilities while enjoying the traditions of an ancient university. As an undergraduate Chemistry student you will have frequent contact with some world-class academics and we pride ourselves on the personal and flexible nature of our programmes.

First year
You will be introduced to key concepts in inorganic, organic and physical chemistry, developing core knowledge and important skills. Teaching includes lectures, tutorials, workshops and laboratory-based practical classes. The diversity of topics in the three branches include:

- **Inorganic Chemistry**: atoms and the periodic table, structure and bonding of molecules, inorganic solids, chemistry of the first row transition metals.
- **Organic Chemistry**: chemical reactions, fundamental organic reaction mechanisms, introductory bio-organic chemistry, organic spectroscopy.
- **Physical Chemistry**: chemistry of the periodic table, structure and bonding of molecules, inorganic solids, chemistry of the first row transition metals.

Second year
You will continue to develop a deeper understanding of the branches of chemistry to enable specialisation in the following years.

- **Inorganic Chemistry**: organometallics and transition-metal chemistry, atmospheric chemistry, solid-state chemistry, main-group chemistry.
- **Organic Chemistry**: carbon-carbon bond formation, aromatic and heteroaromatic chemistry, synthetic organic chemistry, separation techniques.
- **Physical Chemistry**: quantum mechanics, thermodynamics, electrochemistry, kinetics, spectroscopy and diffraction, mathematical tools for chemists.

Third and fourth years (Honours)
A combination of core and optional topics are taught and enable specialisation in a particular area.

- Topics may include quantum mechanics, energy conversion and storage, carbohydrates and nucleic acids, ligand design, functional materials, fragrance, food and colour chemistry, heterocyclic and pericyclic chemistry.

Entry requirements
We consider all aspects of every application, including context, equivalent qualifications and the Personal Statement. Offers may be higher or lower than the grades stated here. See also page 169.

Available degree options
- MChem
- MSci
- BSc

Previous knowledge of subject required? Yes, Chemistry

Integrated Masters
- Chemistry
- Chemistry with External Placement
- Chemistry with Medicinal Chemistry
- Chemistry and External Placement
- Materials Chemistry
- Materials Chemistry with External Placement
- Chemistry and Physics (MSci)

Integrated Masters ‘With’
- Chemistry with French
- Chemistry with French and External Placement
- Chemistry with Medicinal Chemistry
- Chemistry and Mathematics
- Materials Chemistry
- Materials Chemistry with External Placement
- Chemistry and Physics (MSci)

Single Honours
- Chemistry
- Chemistry with Medicinal Chemistry
- Chemical Sciences
- Materials Chemistry (with School of Biology)

Joint Honours or ‘With’
- Chemistry and Geology
- Chemistry and Mathematics
- Chemistry with French (With Integrated Year Abroad)

Entry requirements

- **Direct entry into second year is available, requiring:**
  - SQA Advanced Highers: AAA, including A in Chemistry and AB in two other Highers.
  - GCE A-Levels: AAA, including A in Chemistry.

- **International Baccalaureate Points: 37, including HL6 in Chemistry.**

Additional information:
- **For BSc and MChem degrees – in addition to Chemistry, a Higher in Biology (or Human Biology), Computing Science or equivalent, Geography, Mathematics, Physics, or Psychology.**
- Preference may be given to candidates offering strong science qualifications.
- Additional entry requirements may be specified for Joint Honours and Biomolecular Science degrees.
Chemistry

The Chemistry family is close knit, and it is easy to familiarise oneself with lecturers and tutors who are always eager to help. The Integrated Masters programme offers the potential for doing a one-year work placement in a company and country of your choosing. I went into an interdisciplinary academic lab at the Karolinska Institute, Stockholm. Not only did my science improve, I made lifelong friendships and discoveries that will stay with me forever.

Sandra (Brabant-Wallon, Belgium)

www.st-andrews.ac.uk/subjects/chemistry
chemug@st-andrews.ac.uk

MChem Integrated Masters (five years) with/without external placement
Advanced research-led specialisation delivers topics which may include homogeneous and heterogeneous catalysis, blockbuster solids, asymmetric synthesis, natural product biosynthesis, molecular recognition, nanostructured materials. In fourth year there is an opportunity to join a research and development group within a leading industrial research laboratory or overseas academic institution. Alternatively, you may remain in St Andrews and undertake an advanced research skills laboratory, scientific writing course and a variety of lecture topics. In fifth year you take a year-long project in a research lab.

Our degree programmes:
Chemistry
Chemistry at St Andrews interfaces with biology, physics, mathematics, medicine and geology, making it a highly applicable subject to many areas of study. You will develop a broad base of chemical knowledge and understanding reinforced by extensive practical experience and familiarity with modern laboratory, instrumental and computational techniques. The MChem allows you to study at great depth with emphasis on research, graduating with a Masters degree. The course gives you the best possible training for a career in the professional chemical sector or to carry out postgraduate study upon graduation.

Chemistry with Medicinal Chemistry
You start with a broad training in core chemistry, followed by specialisation in biological and medicinal topics. You will gain an understanding of the process of creating new drugs. Areas include understanding and measuring the interactions between drug molecules and biomolecules, applying this understanding to the design of new molecules that achieve desired effects, planning efficient syntheses of complex molecules on laboratory and industrial scales.

Materials Chemistry
St Andrews has one of the largest groupings of materials chemists in the UK. You begin with a broad training in core chemistry, followed by specialisation in materials. The course will develop your chemical understanding of the origins of the diverse array of properties of materials, their synthesis and their characterisation.

Biomolecular Science
This degree is aimed at students who want to study at the interface between chemistry and biology. Biomolecular Science is shaping the medicine of the twenty-first century. The degree is jointly run by the Schools of Chemistry and Biology and is taught by leading UK scientists. St Andrews is a pioneer in working at the interface between chemistry and biology and has a world-class research record in this area.

Chemical Sciences
This will teach you the fundamentals of chemistry and allow you to include a small component of a non-chemistry subject at Honours level, such as communication and teaching in science.

Careers
St Andrews Chemistry graduates are in demand by both major and grassroots companies, with an employability rate of at least 95%. Chemistry degrees provide a range of highly desirable skills including problem solving, numeracy, data handling and teamwork, attributes that are highly prized by employers.

Recent graduate destinations include: a research scientist at a company involved in enhanced oil recovery, trainee patent lawyers, pharmaceutical development scientists, management consultancy, a liaison officer for the Royal Society of Chemistry.

Many MChem graduates continue on to PhD-level degrees both in the UK and overseas.

Accreditation
Our Single Honours Chemistry degree programmes are accredited by the Royal Society of Chemistry.

Scholarships
Purdie and Benjamin Franklin Scholarships are available to Chemistry applicants.

“The Chemistry family is close knit, and it is easy to familiarise oneself with lecturers and tutors who are always eager to help. The Integrated Masters programme offers the potential for doing a one-year work placement in a company and country of your choosing. I went into an interdisciplinary academic lab at the Karolinska Institute, Stockholm. Not only did my science improve, I made lifelong friendships and discoveries that will stay with me forever.”

Sandra (Brabant-Wallon, Belgium)
The School of Classics is housed in Swallowgate, an attractive building which is only a few metres away from the University Library and the main quadrangle. There are computing facilities in the building, seminar rooms and a well-stocked class library.

School of Classics

Available degree options

- **MA**
  - Single Honours
    - Ancient History
  - International Honours
    - Classical Studies - Ancient History and Archaeology pathway or Greek and Latin pathway
  - Joint Honours
    - The following can be combined with a range of other subjects
      - Ancient History
      - Classical Studies
      - Greek
      - Latin
  - Triple Honours
    - One of
      - Ancient History
      - Classical Studies
      - Greek
      - Latin
      - and two modern languages

Previous knowledge of subject required? No

Entry requirements

We consider all aspects of every application, including context, equivalent qualifications and the Personal Statement. Offers may be higher or lower than the grades stated here. See also page 169.

- **SQA Highers**: ABB
- **GCE A-Levels**: AAA
- **International Baccalaureate Points**: 36, including three subjects at HL6.

Competitive applications will have previous experience of studying a modern or ancient foreign language at National 5 / GCSE level, or equivalent.

- **International Baccalaureate**: 36, including three subjects at HL6.
- **GCE A-Levels**: AAA
- **SQA Highers**: ABB

Degrees in these subjects equip graduates with a wide range of interpretative, research and communication skills and a considerable degree of autonomy that are valuable in a variety of roles.

Classical and ancient historians can find themselves working in more or less any career that does not require a specialist scientific background.

Recent graduates of the School of Classics have gone into careers as diverse as law, finance, journalism, publishing, teaching, arts administration, libraries, heritage management and museums.

There are many options for further study, either in Classics or in related fields. Many of our graduates go on to take further degrees, including research programmes.

Multi Honours combinations

Many of the degrees offered by the School of Classics are available as multi Honours combinations with subjects in the School of Modern Languages. These degrees typically include two modern languages and a classical subject.

Study abroad

Classics students participate in the University-wide St Andrews Abroad programme. You may also have the opportunity to participate in our St Andrews Abroad exchange programme. For information about study abroad options, please see: www.st-andrews.ac.uk/study-abroad

Careers

A degree in Classics, Greek, Latin, Classical Studies or Ancient History will equip you with a sought-after mix of intellectual, theoretical and transferable skills that open up a very wide range of potential career opportunities.

- One of the largest Classics departments in the UK, with a wide range of expertise.
- Very wide range of courses, from Greek and Latin language and literature, to ancient history, archaeology, art, philosophy and classics in the modern world.
- Research-led teaching: research by St Andrews staff feeds directly into our teaching, particularly in the third and fourth years, so our courses are constantly updated.
- Open to all: all our degrees are designed to be open to beginners as well as to students who have studied the subjects at school.
- A small and friendly School with a strong sense of community.

Entry requirements

We consider all aspects of every application, including context, equivalent qualifications and the Personal Statement. Offers may be higher or lower than the grades stated here. See also page 169.

- **SQA Highers**: ABB
- **GCE A-Levels**: AAA
- **International Baccalaureate Points**: 36, including three subjects at HL6.

The School of Classics is housed in Swallowgate, an attractive building which is only a few metres away from the University Library and the main quadrangle. There are computing facilities in the building, seminar rooms and a well-stocked class library.

Entry requirements

We consider all aspects of every application, including context, equivalent qualifications and the Personal Statement. Offers may be higher or lower than the grades stated here. See also page 169.

- **SQA Highers**: ABB
- **GCE A-Levels**: AAA
- **International Baccalaureate Points**: 36, including three subjects at HL6.

The School of Classics is ideal, and the courses are fascinating. I particularly like the balance between the study of canonical works and lesser-known ones, often within the same course. The structure of the degree is very flexible and it enables you to gain a solid knowledge of the field as a whole while also giving you the opportunity to focus on your particular interests. Having our own library is a bonus as well!”

Pedro (Madrid, Spain)
Classical Studies

www.st-andrews.ac.uk/subjects/classics
classics@st-andrews.ac.uk

See also Ancient History (& Archaeology), School of Classics, Classics, Greek and Latin, History

Classical Studies

Classical Studies will enable you to explore beyond Greek and Roman literature, learning about cultural history, philosophy, religion and art. Topics include Athenian democracy, Greek tragedy, ancient erotic fiction, Roman culture and Platonic dialogue.

- Breadth of coverage: explore the glories of Greek and Roman culture from the earliest days of archaic Greece to the later Roman Empire.
- Diversity of specialist topics: mix and match from literature, art, archaeology, culture and society, and the reception of Greece and Rome in the modern world.
- No prior experience required: you can start studying Classical Studies here.
- Option to learn Latin and Greek from scratch alongside your Classical Studies courses.

What will I study?

Classical Studies is a broad and vibrant degree that allows you to explore all aspects of the literature, art and culture of the Greeks and Romans as well as their legacy to the modern world. All Greek and Roman texts are studied in English translation, but there are opportunities to learn Greek and Latin too, and to supplement your studies with Ancient History courses.

First year

In your first semester, you will study Greek drama, epic, art, religion and philosophy to explore the ways the Greeks used myths of the heroic past to explore pressing issues in their own society. In the second semester, you will study the poetry, art and literature of the Romans as they came to terms with the violent end of their ancient Republic and the rise of the first emperor, Augustus.

Second year

You will start by studying the art and literature of the late Roman republic. From the seething passions of Latin love poetry to the slick rhetoric of Rome’s politicians, and the efforts of Rome’s philosophers to find the virtuous life amidst political turmoil, you will explore in depth the Romans’ responses to the chaotic final years of the Republic. In the second semester, you will travel back to where it all began, and study the very roots of western civilisation in archaic Greece, with its ferment of innovation in poetry, philosophy and ideas of society.

Third and fourth years

Honours)

You will choose from a wide range of specialist courses to pursue your interests in depth. Recent courses have included not only central topics in Classical Studies such as Greek epic, theatre and religion, Greek and Roman art, and women in antiquity, but also more unusual subjects like magic, animals in the ancient world, and the reception of Greek and Roman culture from the Renaissance to the present. You can supplement these courses with options drawn from the Ancient History programme for a truly wide-ranging exploration of the Greek and Roman worlds.

Entry requirements

We consider all aspects of every application, including context, equivalent qualifications and the Personal Statement. Offers may be higher or lower than the grades stated here. See also page 149.

www.st-andrews.ac.uk/subjects/entry

Competitive applications will have previous experience of studying a modern or ancient foreign language at National 5 / GCSE level, or equivalent.

SQA Highers: ABBB

GCE A-Levels: AAA

International Baccalaureate Points: 36, including three subjects at HL6.

“...an ancient fertility goddess. I have fallen in love with her, not in class. ”

Megan (South Lanarkshire, Scotland)

Available degree options

| MA | Single Honours
|---|---
| | MA
| | International Honours
| | Joint Honours
| | Triple Honours

Classical Studies

Classical Studies – curriculum differs significantly from MA degrees

See entry requirements and other information, page 12

See Arts combinations, pages 172-173

See Triple combinations, pages 136-137

Previous knowledge of subject required? No
Classics, Greek and Latin

www.st-andrews.ac.uk/subjects/classics
classics@st-andrews.ac.uk

See also Ancient History (& Archaeology), School of Classics, Classical Studies, History

Detail from Trajan’s Column in Rome

Classics courses are wide-ranging and explore concepts and issues which remain fundamental today. You will study ancient political, social and cultural life, as well as Greek and Latin, literature, art, architecture, philosophy and religion.

• In-depth linguistic and literary training from the very start. You will study the main genres, periods and authors of Greek and Latin literature – and many unusual ones too – with intensive linguistic training to help you read and interpret the texts with sensitivity.
• We offer separate degrees for Latin and Greek, and a combined Classics degree that includes both languages.
• Wide range of specialised courses from epic to tragedy, philosophy and modern reception.
• Opportunity to start Latin and Greek here, with dedicated support for beginners in each language.

What will I study?
Latin and Greek are the gateways to two literatures of enormous richness and sophistication that have profoundly shaped western thinking on literature, philosophy, politics, art and many other subjects. To study them at university is not just a linguistic challenge, but a challenge to understand what the texts meant in their original context and what they might mean today. You can study Latin or Greek separately as Single Honours degrees in their own right, or combine them together in the Classics degree. If you have never had the chance to study Latin or Greek before, you can start one or even both languages from scratch here.

First year
Your first two years will focus on developing the linguistic and interpretative skills you will need for advanced literary study. Beginners will focus on intensive language learning in their first year, while those who have studied Latin or Greek before (to Higher, A-Level, IB or equivalent) will refine their linguistic skills and learn new skills of literary and cultural analysis. If you are taking Classics and starting both languages from scratch, you can ease yourself in by taking one language in your first year and starting the other in your second.

Second year
You will continue to develop your skills of literary analysis by reading a wide range of texts, authors and genres. Whether you are studying Greek, Latin or both, you will work with texts drawn from the whole range of ancient literature, such as epic, drama and poetry, oratory, historiography and philosophy, and unusual genres such as the ancient novel.

Third and fourth years (Honours)
You will choose from a wide range of specialised courses to pursue your interests. Recent courses in Greek have included tragedy, theatre, rhetoric, and education. Recent courses in Latin have included epic, comedy, satire, and biography. We offer many other courses besides these, including prose composition in both languages. If you started one language in your second year, you will take special courses in your third year to complete your linguistic training.

Entry requirements
We consider all aspects of every application, including context, equivalent qualifications and the Personal Statement. Offers may be higher or lower than the grades stated here. See also page 149.

www.st-andrews.ac.uk/subjects/entry

Competitive applications will have previous experience of studying a modern or ancient foreign language at National 5 / GCSE level, or equivalent.

SQA Highers: ABB
GCE A-Levels: AAA
International Baccalaureate Points: 36, including three subjects at HL6.

“What taking Ancient Greek has made my understanding of both the classical world and the foundation of European culture so much better, as well as opening a whole new area of learning. The amount of language contact time has given me more knowledge than I thought I could handle – it’s been fast-paced but very enjoyable. Not to mention the high quality of teaching and the constant enthusiasm of the lecturers – their enjoyment of the subject is infectious!”

Hugh (Berkshire, England)
Comparative Literature

www.st-andrews.ac.uk/subjects/comparative-literature
complit@st-andrews.ac.uk

See also Modern Languages

You will explore a range of literatures from around the world, giving you a broad perspective on different literary genres, periods, themes and movements as they have developed within and beyond national and cultural boundaries.

• You will be taught by literary experts from across the School of Modern Languages (Arabic, French, German, Italian, Persian, Russian and Spanish) as well as from other Schools in the Faculty of Arts.
• You will make comparisons and connections across countries, time periods, subjects and genres.
• You will have a choice of team-taught research-led topics such as folk and fairy tales, cultural memory and literature, and crossing the Mediterranean.
• Comparative Literature can be studied without any knowledge of foreign languages as you will encounter a wide range of literature from around the world in English translation.

What will I study?
Comparative Literature allows you to explore challenging and influential literature without boundaries of culture or language. You will encounter texts of all genres and periods from across the world and consider the ideas, human values and historical forces that have helped to form the world’s literatures. You will have the opportunity to read, to discuss, to present reasoned arguments, and to work on writing with precision and clarity.

First year
You will study two topics to introduce you to the study of comparative literature. The nineteenth-century novel and drama in the twentieth and twenty-first centuries will be covered through a diverse range of texts in English translation, organised into two case studies defined by genre, period and theme.

Second year
You will deepen your theoretical and practical engagement with comparative literature as a discipline by studying the topics of good and evil, and journeys. Each topic presents a case study of texts drawn from a wide range of genres, periods and cultures as the basis for a discussion of the structures and concepts of literary analysis and the methods and practices of reading comparatively.

Third and fourth years (Honours)
You will choose from a range of research-led courses taught by teams of specialists from across the School of Modern Languages. Each course will bring together texts from several cultural contexts to facilitate in-depth comparative analysis. Topics could include literature and the Bible or autobiography and the visual arts.

Study abroad
You can choose to study abroad as part of your degree. Comparative Literature students also participate in the University-wide St Andrews Abroad programme. Further information on page 133 and online.

Entry requirements
We consider all aspects of every application, including context, equivalent qualifications and the Personal Statement. Offers may be higher or lower than the grades stated here. See also page 169.

www.st-andrews.ac.uk/subjects/entry

SQA Highers: AAAB
GCE A-Levels: AAB
International Baccalaureate Points: 36

“I loved the idea of being able to study literature from all over the world and from different time periods. It has allowed me to broaden my understanding of literature on a singular and universal level. Being able to share my thoughts in seminars with other students coming from all over the world makes me consider the work we are reading in a whole new light!”

Laura (Paris, France)

Available degree options

Previous knowledge of subject required? No

Joint Honours
Comparative Literature and one of 24 other subjects
See Arts combinations, pages 172-173

Triple Honours
Comparative Literature and two modern languages
See Triple combinations, pages 136-137

West Sands
Computer Science

www.st-andrews.ac.uk/subjects/computer-science
admissions-cs@st-andrews.ac.uk

What will I study?

Our courses are designed to ground you in both the theory and practice of Computer Science. You will learn to think and solve problems logically, understand the fundamental principles of how computing systems work, and be exposed to significant new technologies as well as teamwork.

In the first two years, you will learn the basic concepts behind Computer Science and several different programming languages.

Alongside Computer Science in the first year of your studies, you will be required to study at least one additional subject. In the second year, you can continue with this other subject or focus entirely on Computer Science.

You will be able to build a degree programme around your interests and study specialist areas such as artificial intelligence, human-computer interaction, computer security, video games, data encoding, databases, and operating systems. These options in the final two years allow you to explore the intellectual frontiers of Computer Science by studying more advanced and cutting-edge topics.

You will learn to work in teams on projects of significant size and use state-of-the-art software engineering methods.

Each programme contains both a year-long team project and a dissertation that allows you to work on a project under the supervision of a member of staff. Throughout your studies you will have 24 hour access to our state-of-the-art laboratories and common areas that are the heart of the thriving community that is Computer Science at St Andrews.

First year

You will take two compulsory courses. The first one is an introduction to object-oriented modelling and programming using Java.

The second explores various aspects of data storage, processing and analysis. In addition, you can study an optional Computer Science course per semester and will take one or two courses from another subject.

Our courses include weekly tutorials which provide a small group teaching environment that helps deepen your engagement with the topics studied and prepares you for the practical assignments and exams.

Second year

You will be introduced to fundamental algorithms, data structures and ideas about formal languages at the heart of modern software. You will then develop skills in programming...

Entry requirements

We consider all aspects of every application, including context, equivalent qualifications and the Personal Statement. Offers may be higher or lower than the grades stated here. See also page 169.

www.st-andrews.ac.uk/subjects/entry

Qualifications must include Mathematics.

First year entry

SQA Highers: AAAB, including an A in Mathematics and a Higher in one of the following: Biology, Human Biology, Chemistry, Computing Science or equivalent, Geography, Physics, Psychology.

GCE A-Levels: AAA, including Mathematics.

International Baccalaureate Points: 38, including HL 6 in Mathematics (if offered by your school) or SL (if HL is not offered by your school).

Direct entry into second year

Applicants should have some experience in computer programming and may be asked to demonstrate this. Please contact the School for more information.

SQA Highers: AAAB, including A in Mathematics and an A in one of: Biology, Human Biology, Chemistry, Computing Science or equivalent, Geography, Physics, Psychology. Plus AB in Advanced Highers, including A in Mathematics and at least a B in one of the above sciences.

GCE A-Levels: AAA including Mathematics and one of Biology, Chemistry, Computing Science or equivalent, Geography, Physics, Psychology. Plus AB in Advanced Highers, including A in Mathematics and at least a B in one of the above sciences.

International Baccalaureate Points: 39, including HL 6 in Mathematics.

Computer Science (Gateway) entry

BBBB–AABB in SQA Highers. See also: www.st-andrews.ac.uk/entry/access/projects/gateway

You will learn about cutting-edge developments in Computer Science and develop transferable skills. The School is highly rated for teaching and research with excellent staff and top class facilities.

• Excellent reputation for teaching and research.
• Excellent student:staff ratio of about 12:1.
• State-of-the-art facilities for our students.
• Almost all of our academic staff teach and tutor undergraduates each year.
• Our courses are challenging but very rewarding.

Available degree options

Previous knowledge of subject required? Yes, Mathematics

MSci

Integrated Masters

Computer Science

BSc

Single Honours

Computer Science

Joint Honours

Computer Science and one of 8 other subjects

See Science combinations, page 174
Computer Science

- www.st-andrews.ac.uk/subjects/computer-science
- admissions-cs@st-andrews.ac.uk

in C, systems programming, digital logic and low-level computer organisation.

In addition, you will take two more courses, which can be chosen from Computer Science or another subject. You will attend weekly tutorials for your Computer Science courses.

**Third and fourth years (Honours)**

You will be introduced to Turing machines, non-determinism and pushdown automata, followed by study of decidability, simulation and the Halting problem. We will also cover modelling, system property specification using temporal logics, and more applied approaches to software specification and verification through the use of model checkers. You will apply software engineering concepts and practices to a substantial software engineering project as part of a team. This course runs through both semesters in third year and will prepare you for the workplace, where collaboration with others is essential.

In your final year, you will undertake a substantial software engineering project using professional development techniques. You will design, specify and construct a medium-sized software system, or undertake a formal development and proof of such a system, under the guidance of a member of staff.

In addition to the compulsory courses, you will choose from a wide variety of advanced options. Here is a sample of Honours topics, which have been offered in previous years:

- artificial intelligence, component technology, computational complexity, computer architecture, computer graphics, computer security, concurrency and multi-core architectures, constraint programming, data communications and networks, data encoding, databases, distributed systems, human computer interaction, logic and software verification, operating systems, programming language design and implementation, video games.

In addition, there is an option to ‘dip up’ by taking Masters level classes.

**Integrated Masters (five years)**

The third and fourth years of the programme are as already described, except that you will not do a dissertation in the fourth year.

During your final year you will be able to take a number of courses at Masters level, providing advanced training in Computer Science. In previous years these have included: language and computation, software engineering practice, critical systems engineering, software architecture, human computer interaction principles and methods, interactive software and hardware, data-intensive systems, information visualisation and visual analytics.

You will also spend one semester of your final year dedicated to undertaking a major software engineering or research project, under the guidance of an individual supervisor.

**Direct entry into second year**

Well-qualified school leavers with prior programming experience may be able to apply for entry directly into the second year of these programmes.

You will take an accelerated version of one of the second year courses, which includes necessary background material from our first year courses.

**Study abroad**

Computer Science students participate in the University-wide St Andrews Abroad programme. Computer Science students are only able to study abroad for the full academic year. Semester placements are not available. For information about study abroad options, please see: www.st-andrews.ac.uk/study-abroad

**Careers**

A degree in Computer Science will allow you to enter into technical, academic, financial or commercial posts. Most companies and organisations are heavily invested in computer systems, and this has created a demand for many different specialisations in computer technology.

Graduates from Computer Science go on to find careers as business analysts, systems architects and analysts, software developers, testers and verifiers, technical writers, IT trainers and user advisers, and project managers.

Many of our graduates undertake further study, here or elsewhere. We offer a range of options including MSc, EngD and PhD level degrees.

“...I chose to study Computer Science because it is both fun and challenging, every project we do is like having a huge puzzle to solve. The support we get is also great, from the research being carried out in the School to the hackathons, I can get any support I need for my studies. Our tutors are immensely helpful and the labs are fitted with cutting-edge technology.”

Markus (Hong Kong)
You will be introduced to the teachings of theological and biblical studies, considering the influence of scripture on Western civilisation and faith in the contemporary world.

- We are consistently ranked top in Theology and Religious Studies in the UK in the National Student Survey.
- We are a small, closely-knit community in which staff and students work together closely.
- We offer a clearly structured, rigorous programme of study that also allows specialisation and a wide range of choice.
- We are housed in St Mary’s College, one of the most beautiful parts of the University and the home of Divinity since 1579.
- Our library, the King James Library, founded in 1612, is a bright and beautiful place for quiet study.

What will I study?
Our programmes introduce you to the teachings and practices of the Christian faith in particular, and consider the profound influence that the Jewish and Christian scriptures have had on Western civilisation while addressing both the significance of faith today and challenges to it.

First year
You can concentrate either on Theology or on Biblical Studies, or both. In Theology, you take two main courses: one on key themes in Christian theology, as they have developed in history and as we might think about them now; and one on theological ethics. In Biblical Studies, you take one course on the Old Testament (Hebrew Bible) and one on the New Testament. You can also begin to study Hebrew and/or Greek. There are optional courses on world religions and on the Bible in western culture.

Second year
You continue with either Theology or Biblical Studies, or both. In Theology, you study Christian thought and practice, as well as the history of the church from its beginning through the Middle Ages. In Biblical Studies, you continue your study of both parts of the Bible and, if you want, of Hebrew and/or Greek. There are optional courses in science and religion.

Third and fourth years (Honours)
You will be able to study a wide range of advanced topics in Theology and Biblical Studies. Teaching will be in small seminars and will be guided by both the lecturer’s research interests and your own.

Our degree programmes:
Biblical Studies
You will explore the profound influence that the Christian and Jewish scriptures have had on western civilisation. You will focus on the Old Testament and New Testament, but you will also encounter a large number of other Jewish and Christian writings from these periods, such as the Dead Sea Scrolls. You may also have the chance to study Aramaic.
This course is particularly suited for those wanting a wider range of options across

Entry requirements
We consider all aspects of every application, including context, equivalent qualifications and the Personal Statement. Offers may be higher or lower than the grades stated here. See also page 169.

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Entry requirements
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Divinity

www.st-andrews.ac.uk/subjects/divinity
divinity@st-andrews.ac.uk

Arts subjects, while still giving most of their attention to Divinity. Many students choose to take Biblical Studies alongside subjects such as Ancient History or Classical Studies in order to study important texts within the wider context of the ancient world, or with English in order to discover the way in which biblical ideas and themes have found their way into literature.

Hebrew
Our focus is on classical or biblical Hebrew, though you may also take advanced courses in post-biblical Hebrew – particularly by studying the Dead Sea Scrolls.

Modern language teaching methods are used to help beginners. For those with a background in languages, Hebrew makes a fascinating language to study as it belongs to the Semitic, as opposed to the Indo-European, family group.

New Testament
Our focus is on New Testament language and literature, though you can also take additional classes in Old Testament (Hebrew Bible) and Christian history and theology.

Modern language teaching methods are used to help beginners. For those with an existing background in Greek, advanced language classes and textual classes in the original language are available.

Theological Studies
We provide an introduction to the rich theological traditions of Christianity, covering the history of Christian theology from the early church to the modern world. You will explore ways in which Christianity is being expressed and lived out today in different areas of the world, as well as learning about the distinctive challenges to faith presented by modern secular culture.

The MA course is particularly suited for those wanting a wider range of options across Arts subjects, while still giving most of their attention to Divinity.

Master of Theology
The focus is on topics directly related to theological and biblical studies. You will study the history of Israel, the person of Jesus of Nazareth, Paul’s letters and the rapid growth of the early church, and contacts between Christianity and Greek and Roman philosophy.

You will also examine Christian thought in depth, including church history and Christian ethics. You can specialise within Divinity by studying subjects like world religions, Greek, Hebrew, the anthropology of religion, the Dead Sea Scrolls, pastoral care or moral reasoning, or pursue interdisciplinary interests through the Faculties of Arts or Science.

Divinity (BD)
This is especially suited for those considering ordination within a Christian denomination. You will have the option to specialise in the Old Testament, theology, practical theology, church history or a combination of these.

Careers
A degree in Divinity gives you the opportunity for significant intellectual and personal development, as well as acquiring a wide range of transferable skills. Accordingly, our graduates usually have excellent success in obtaining work placements.

Those who have studied Theology or Biblical Studies have learnt a fantastic range of skills – textual, historical, analytic, creative, and interpersonal. They are in demand with employers who need rigorous but flexible thinkers with a broad knowledge base and an understanding of people and their religious and social contexts.

Recent graduates from the School of Divinity have, for example, become: graduate students in the UK and abroad, religious studies teachers, lay chaplains at schools, ordained ministers, journalists with the national and religious press. Individuals have become a trainee manager at a national bank, an art gallery assistant, a solicitor, a theatre director, a college principal, business consultant, social worker, a wine taster.

We offer Masters and doctoral degrees in Biblical Languages and Literature, in Systematic and Historical Theology, in Theology and the Arts, and in Analytic and Exegetical Theology. Graduates have also gone on to postgraduate degrees in related areas at other top universities in the UK and across the world.

“There is a wide and exciting range of topics studied in Divinity; in my first year alone I was taught in depth about everything from Koine Greek vocabulary to how theology can be practically applied in cities. What I really love about studying in Divinity is the friendly community atmosphere between students and staff that makes academic study so enjoyable and inspiring.”

Megan (Cornwall, England)
Earth & Environmental Sciences

www.st-andrews.ac.uk/subjects/earth-environmental-sciences
earthsci@st-andrews.ac.uk

Earth and Environmental Sciences spans topics from the formation of planets to climate change. You will gain a fundamental understanding of natural processes; graduates are equipped to address many of the challenges facing science and society.

- Discover the science of Earth and other planets, including the processes that build mountains, control climate, drive life in the oceans, and form natural resources.
- Science in the great outdoors: extensive field training across Scotland and Europe, with costs covered.
- Dedicated undergraduate research programmes offer the opportunity to engage with cutting edge research on planetary formation, the history of life, and climate change.
- Advanced transferable skills training in fieldwork, numerical problem solving, and written and oral presentation.
- Leading graduate employability in mineral resources, energy, and environmental consultancy.

What will I study?
You will study topics from current climate change to the formation of the planets, integrating physical geography, chemistry, physics, and biology to understand the world around us. St Andrews is in many respects the ideal place to study Earth Sciences, being surrounded by beaches, the sea, and world-famous geological outcrops. Most of our students have not studied the subject at school, and choose our degrees based on a love of the environment, the outdoors, and natural science.

All of our undergraduate degree pathways share classes in the first two years. These provide you with a broad foundation in the Earth Sciences, from which you can find your specific interests and strengths before specialising in your final two years.

First year
You will study the fundamental processes that have formed and shaped our planet and its environment. You will also be able to take courses in other subjects.

Second year
You will build a deeper understanding of planetary materials (rocks, minerals and ores) and processes (for example, ocean circulation, plate tectonics). You will investigate pivotal episodes in Earth history and discover how our planet and life evolved. You will develop independent field skills with small group fieldwork in Scotland and Spain.

Third and fourth years (BSc Honours and MGeol)
You will learn state-of-the-art mapping and GIS techniques. BSc Geology students will delve deeper into plate tectonics and rock, mineral, and ore formation. BSc Environmental Earth Sciences students will study climate change and the interaction of life with the evolution of the surface environment.

MGeol students can choose courses from across our degree programmes, and undertake an advanced research project or industrial placement.

Entry requirements
We consider all aspects of every application, including context, equivalent qualifications and the Personal Statement. Offers may be higher or lower than the grades stated here. See also page 169.

www.st-andrews.ac.uk/subjects/entry

First year entry
SQA Highers and GCE A-Levels should include at least two sciences from Biology (or Human Biology), Chemistry, Geography, Geology, Mathematics or Physics.

SQA Highers: AAAB
GCE A-Levels: AAB
International Baccalaureate Points: 36, including at least 2 HL6 in Biology, Chemistry, Computing Science or equivalent, Geography, Geology, Mathematics, Physics, or Psychology.

Direct entry into second year
This option is only offered to students with excellent A-Level or International Baccalaureate qualifications. SQA qualifications without a Geology component will not be accepted (the Geology component was discontinued in 2016).

GCE A-Levels: AAA including Geology.
International Baccalaureate Points: 38, including three subjects at HL6 from the following: Biology, Chemistry, Geography, Physics.
Earth & Environmental Sciences

www.st-andrews.ac.uk/subjects/earth-environmental-sciences
earthsci@st-andrews.ac.uk

Direct entry into second year
Direct entry into second year is possible for appropriately qualified students.

Our degree programmes:

BSc Environmental Earth Sciences
This degree integrates study of the oceans, atmosphere, biosphere, and geosphere in order to understand the processes and impacts of environmental change. The degree incorporates insights from across chemistry, physics, and biology to understand Earth’s surface environment both past and present. Teaching is strongly integrated with our leading research programmes, and you can take advantage of laboratory-based research projects to answer questions ranging from the dawn of atmospheric oxygen, to the stability of major ice sheets, and the impact of volcanoes on climate. Applied training focuses on the environmental impact of extraction and use of Earth’s natural resources, and includes hands-on experience with state-of-the-art techniques in the field and laboratory.

BSc Geology
This degree emphasises the origin and chemistry of rocks and minerals, geological mapping, and the processes and events that have shaped the rock record. Research-led teaching will introduce you to cutting-edge geological science questions, including the mechanics of plate tectonics, the formation of planets, and the dawn of life. Applied industrial training will provide you with the skills and knowledge required by the energy and mineral industries, and research projects will allow you to undertake independent field research, underpinned by rock and mineral analysis.

MGeol Earth Sciences – Integrated Masters (five years)
This degree provides comprehensive training in the Earth Sciences, spanning topics from the formation of the solid Earth to environmental change. The extra year allows you to engage deeply with fundamental questions in Earth Sciences, such as the formation of the planets and the path of future climate change. The broad and flexible structure of the degree introduces you to topics across the Earth Sciences, and provides ample room for the development of specific interests. The programme includes the opportunity for an internship with industry, an extended research project, or a major fieldwork expedition.

Study abroad
Earth and Environmental Sciences students may participate in the University-wide St Andrews Abroad programme. For information about study abroad options, please see: www.st-andrews.ac.uk/study-abroad

International opportunities
There are opportunities to undertake international placements in industry or research, and international fieldwork. Recent locations have included Greenland, the US, and sites across Europe.

Careers
The School is proactive about developing career opportunities, and career activities are provided for all students from first year onwards. Graduate employment prospects are consistently among the best in the UK. There are a wide variety of career options for Earth and Environmental Sciences graduates, both specifically in the energy, natural resources, and environmental sectors, as well as in wider science and policy areas.

Our degrees provide advanced training in a wide range of transferable skills, including both scientific problem solving and written and oral presentation. The high quality of our field training is particularly highly valued by employers.

Recent employers of our graduates include BHP Billiton, BP, Shell, Fugro, Geotechnics Ltd., the Scottish Environmental Protection Agency, Norsk Hydro, the British Geological Survey, and Scottish Natural Heritage.

Many of our graduates undertake further study, both at MSc and PhD level.

Field training
Field training is an essential part of Earth and Environmental Sciences degrees. At St Andrews this is achieved with minimal to no financial burden to students, with all costs covered on the majority of field trips run by the School.

“With all the wonders of Scottish geology in its back yard, excellent facilities and engaging staff, it is safe to say St Andrews is the ideal place to study Earth Sciences. Although the content of this programme is often challenging, the staff are always available to lend a helping hand. The small size of the School and the frequent field trips mean you get to know your peers and supervisors very well. The opportunities for going into either research or industry are endless.”

Savannah (Johannesburg, South Africa)
The School will provide you with an exciting and intellectually stimulating curriculum. We offer a flexible degree programme which allows lots of choice regarding the topics you study in third and fourth years.

You will be taught by a friendly, dynamic and cosmopolitan academic team, with a diverse range of research interests.

We offer a high quality student experience, ranking fifth in the Complete University Guide 2018.

Our programmes will develop your communication and quantitative transferable skills, important for a range of employment and for further study.

You will receive expert one-to-one advice from academics when making your course choices. In third and fourth years, you will also be allocated a personal tutor, who will guide and support you in your studies.

What will I study?

Your first year studies will provide knowledge of the discipline, as well as introductory quantitative techniques. Your second year will build upon and develop what you learned in first year. Your third and fourth years will equip you with a fuller understanding of economic relationships and with further techniques necessary for their analysis. In addition to any compulsory subjects, in third and fourth year you select from a range of optional topics. These provide an analytical understanding of key aspects of incentives, behaviour and policy formation.

First year

You will be introduced to the principles of microeconomics and macroeconomics, as well as simple mathematical techniques. The courses provide a basic insight into the use of quantitative methods, and an understanding of contemporary issues and the economic system.

Second year

More advanced study of consumers, firms and markets (microeconomics) and of models in modern macroeconomics is undertaken. Further quantitative methods provide you with training in the statistical techniques needed for economic analysis and in how to structure and make sense of economic, financial and social data.

Third and fourth years (Honours)

We offer a wide range of topics, available every year, for example: econometrics, corporate finance, decision and game theory, economic growth, portfolio management. We also offer an extensive selection of topics, which may differ each year, for example: inequality and redistribution, behavioural economics, experimental economics, health and education, development economics, economic history, political economy, European macroeconomics, economics of migration.

Entry requirements

We consider all aspects of every application, including context, equivalent qualifications and the Personal Statement. Offers may be higher or lower than the grades stated here. See also page 169.

www.st-andrews.ac.uk/subjects/economics
admissions@st-andrews.ac.uk

Economics is a social science concerning the production, distribution and consumption of goods and services, whilst finance is the study of managing available funds. The courses provide structured explorations of key concepts, analysis and techniques.
Economics & Finance

www.st-andrews.ac.uk/subjects/economics
admissions@st-andrews.ac.uk

Our degree programmes:

Economics (BSc or MA)
Economics may be studied up to Honours in both the Faculty of Science (as a BSc) and the Faculty of Arts (as an MA). Whether you study for a BSc or an MA depends on what entry qualifications you have and which other subjects you wish to take. The programmes you follow for BSc and MA are exactly the same within the Economics element of your degree. There are no subject-specific admission requirements for entry to the first year courses.

Financial Economics
You may apply for either a degree in Economics or Financial Economics. The subjects you take during your first two years of study are not influenced by this choice. In your third and fourth years of study, the curriculum for the Financial Economics degree is broadly similar to that for the Economics degree. The only difference is that you will be expected to study a number of specific finance subjects, for example, corporate finance, asset pricing and portfolio management, as part of your studies.

Study abroad
Economics and Finance students participate in the University-wide St Andrews Abroad programme. You may also have the opportunity to participate in our School Abroad exchange programme. For information about study abroad options, please see: www.st-andrews.ac.uk/study-abroad

Careers
Graduates with a good degree in Economics have some highly sought-after skills and pursue careers in a wide variety of fields. These include banking, government, accountancy and insurance, consultancies, charitable or not-for-profit organisations and academia.

A degree in Economics will greatly enhance your analytic and decision making abilities. You will significantly improve your quantitative abilities and greatly enhance other transferable skills highly valued by employers.

Recent graduates have gone into a variety of careers including: economic consulting, management consulting, accountancy, business intelligence analysis, broadcasting and journalism, risk management, research analysis, financial services analysis and stockbroking.

Many of our graduates go on to further study in economics or an economics-related field, at top universities throughout the UK, Europe and the US.

“I have always desired to unravel human decision-making in the face of rising inequality and scarcity. That is why the study of economics inherently appealed to me. There is a broad range of classes you can take in Economics at St Andrews, ranging from Game Theory, to Environmental Economics to Behavioural Economics. The curriculum broadens your horizon and your way of thinking in such a holistic sense, which is what makes it so interesting yet challenging.”

Aanchal (New Delhi, India)
You can study English, Scottish, Irish and American literature, as well as courses in prose, verse, drama and film. You will also consider the ideas, human values and history behind this broad variety of texts.

• The School of English is ranked first in the Guardian University Guide 2018 and second in the Complete University Guide 2018.
• We offer a generous range of options covering all periods of literary writing in English from Anglo-Saxon times to the present.
• Staff include winners of the Queen’s Gold Medal, the Forward Prize, the Whitbread Prize, the T S Eliot Prize, the Jerwood Fiction Prize, the Saltire Scottish Book of the Year Award, the Somerset Maugham Award, and two Fellows of the British Academy.
• Varied programme of visiting speakers, giving students the chance to discuss literature and criticism with leading modern writers, and to hear contemporary writers discuss set texts on undergraduate courses.
• Research-led teaching throughout the curriculum, which means from your first day you will be taught by leading experts.

Entry requirements
We consider all aspects of every application, including context, equivalent qualifications and the Personal Statement. Offers may be higher or lower than the grades stated here. See also page 169.

Qualifications must include English, English Language, English Literature or Drama.

SQA Highers: AAAB
GCE A-Levels: AAA
International Baccalaureate Points: 38, including HL6 in English.

“English really appeals to me as a subject because there is never a right answer; literature is open to interpretation, and because of this it is a subject that encourages student participation and encourages us to develop our own ideas and think for ourselves. I value the small class sizes at St Andrews which allows students to feel more comfortable to share ideas and grow in the confidence to do this.”

Hanna (St Helier, Jersey)
Second year
You will focus on literature from the mediaeval and Renaissance periods, and on drama and performance. You will be introduced to the earliest literature in English and the language in which it is composed. The mediaeval element draws on editions prepared by scholars in the School of English, designed to make early texts readily accessible. The Renaissance element ranges across various authors and genres, which may include Donne’s Songs and Sonnets and Milton’s Paradise Lost. The course on drama concentrates on the special characteristics of drama as an art form that crosses the boundaries of written text and public performance. A wide range of plays are covered, from the Renaissance to the present, including figures like William Shakespeare, Oscar Wilde and Gregory Burke.

Third and fourth years (Honours)
There is an exciting range of around 45 different courses from which to choose, and options may include Chaucer, Scottish Literature, Jane Austen, T S Eliot, creative writing, Shakespeare and film, Beowulf and a wide variety of other topics and approaches to the study of literature written in English. Single Honours students normally take eight courses in the two Honours years. You must include at least one on mediaeval literature, one on early modern literature and one other on eighteenth-century, Romantic or nineteenth-century literature. Joint Honours students normally take four courses in English (including one on pre-twentieth-century literature), and four in another subject. The dissertation, which is compulsory for Single Honours students, allows you to write an extended essay on a literary topic of your own choice.

Several courses involve creative coursework which – as well as the traditional essay – may involve literary journal keeping, writing a short play in its entirety, or even the opportunity to try a bit of mediaeval forgery. We aim to provide a range of topics and approaches that allow you to follow your own interests, whether towards specialising in particular authors or periods, or towards wide-ranging exploration in a variety of areas.

Study abroad
Students on English programmes participate in the University-wide St Andrews Abroad programme. You may also have the opportunity to participate in our School Abroad exchange programme. For information about study abroad options, please see: www.st-andrews.ac.uk/study-abroad

Careers
A degree in English from St Andrews will open doors to a large and varied number of possible careers – from teaching, to writing, journalism, editing and performing and from public policy to finance.

A degree in English from our University demonstrates to employers that you are a good writer, with the ability to craft and edit prose in English, that you are able to absorb and process information, that you are good at conducting research, that you are good at verbal and written communication, and that you have high level analytic skills. These are skills that are invaluable in most jobs.

Recent graduates have taken up internships with the United Nations, become writers and editors for Penguin Books, Harper Collins, The Times, Country Life magazine, and The Field magazine. Some have gone into sales, for example Waterstones, WH Smith. Others work for charitable organisations like Save the Children and in public policy (Scottish Executive, British Council) or in arts administration (the Barbican Centre, Sotheby’s), or the financial sector – working for companies like KPMG and Santander.

Postgraduate study is a popular choice for many of our graduates with a large range of Masters and PhD programmes available in English literature and creative writing. Within St Andrews these include period-specific Masters programmes (such as Romantic/Victorian Literature, or Modern and Contemporary Literature and Culture) or thematic programmes (such as Women, Writing and Gender or Postcolonial and World Literatures). We also have specialist MLitt and MFA programmes in Creative Writing and Playwriting and Screenwriting.

“It is the passion and enthusiasm of the lecturers that makes English here great. Everyone is extremely encouraging and willing to offer additional assistance. There are weekly writing labs that are open to every English student. These sessions focus on a specific topic each week, with the aim of helping everyone improve their essay writing skills.”

Euan (Perth & Kinross, Scotland)
You will examine the forms and histories of film in all their artistic, documentary and non-theatrical variants, from silent cinema to virtual reality and will cover a range of topics including stardom, activism, as well as numerous genres and filmmakers.

• Top ranked teaching: Film Studies was first in the UK for student satisfaction, topping a list of over 80 film programmes and receiving a 100% satisfaction rating in the National Student Survey 2017.
• Outstanding staff: as leading figures in the ever-expanding fields of film and media studies, members of the Department have published award-winning scholarship on a range of topics, from the stars of silent cinema to the newest digital effects.
• Cutting edge facilities: with specially fitted seminar and screening rooms as well as consistently small class sizes, you can explore 3D cinema, virtual reality, and a collection of over 9,000 audio-visual works.
• Vibrant film culture: from student-led filmmaking marathons and screening series to visits from world-renowned filmmakers and collaborations with international film festivals, you will have numerous opportunities to contribute to a community of cinephiles and film artists.

What will I study?
Film Studies here is a dynamic and growing discipline, drawing in students with a variety of interests. We critically examine the history of moving images across time and cultures, looking at a diverse range of topics from sexuality in film to activist documentary, from propaganda to digital media. Film Studies uses a variety of critical, theoretical and historical approaches to examine one of the most significant cultural and artistic forms of the twentieth and twenty-first centuries.

During the first two years, you will take four Film Studies courses (one per semester). These provide the theoretical, cultural and methodological frameworks you will need for the more specialised and challenging Honours seminars.

In third and fourth years, you can take either Single Honours or Joint Honours in Film Studies, taking seminars (typically two per semester for Single Honours, or one per semester for Joint Honours) across the next two years. These seminars reflect the research expertise of the Department and allow you to develop your own interests within the discipline.

The Honours programme examines a diverse range of film theories and practices covering film genres, sound cinema, global and transnational cinemas, documentary, and various histories of the moving image. You work closely with the teaching staff, and develop excellent intellectual, writing and research skills that are useful in a wide variety of professions.

First year
The two first-year courses introduce you to key approaches to the study of film (such as the cycle of film production, distribution and exhibition and the analysis of genre, narrative and stars) and its history, from early cinema and the advent of sound to wartime propaganda and

Entry requirements
We consider all aspects of every application, including context, equivalent qualifications and the Personal Statement. Offers may be higher or lower than the grades stated here. See also page 169.

SQA Highers: AABB
GCE A-Levels: AAB
International Baccalaureate Points: 35

“Film Studies has been incredibly interesting for me throughout my time here at St Andrews. The lecturers are really knowledgeable and enthusiastic about the subject, and the film screenings each week expose me to so many different films that I wouldn’t have seen otherwise. I have enjoyed my course immensely.”

Emma (Suffolk England)
Film Studies

www.st-andrews.ac.uk/subjects/film-studies
filmstudies@st-andrews.ac.uk

Film Studies is a close-knit community and every member of staff is always fully engaged with the students' wellbeing and academic performance. All our lecturers present a wide range of research interests, which means that we have a large variety of topics to choose from at Honours level, with our lecturers having written most of the academic research on specific subjects.

Second year
The two second-year courses focus on cinematic movements in the period following World War II, typically looking at new wave cinemas in Europe, political movements in Latin America and Africa and contemporary trends in Asia, and on theoretical engagements with film and visual media from the 1920s to the present day. Based on screenings of a selection of cinematic texts, you will explore questions of identity and representation, and the relationship of film, public discourse, cultural production, and cultural policy.

Third and fourth years (Honours)
Honours courses explore particular topics, such as documentary, sensory cinema, stars, and digital media. Each week you will participate in seminar discussions of advanced work in the field. The Honours programme introduces a diverse range of film and media theories covering gender, national and transnational, aesthetic and historical approaches.

Study abroad
Film Studies students participate in the University-wide St Andrews Abroad programme. For information about study abroad options, please see: www.st-andrews.ac.uk/study-abroad

Careers
The Film Studies degree resonates with the demands of today's job market, where film and media literacy is of direct relevance to a variety of careers, from journalism and teaching to professions in the creative industries.

A degree in Film Studies from St Andrews will provide an excellent foundation for a wide range of careers as well as for those directly connected with cinema (such as film distribution and production, arts administration, cinema management, film festivals, advertising and public relations, journalism and media, publishing and education). The main purpose of the programme is to provide a high quality general education, promote independence of thought and encourage intellectual initiative backed by a strong knowledge of cinema's histories and forms.

Film Studies graduates will be well placed to compete in today's job market, having gained an extensive range of skills from written and oral communications to archival research and visual analysis.

Recent graduates in Film Studies have gone on to a number of exciting careers, including film archive director, production editor in publishing, media researcher, programmes negotiator for a television company, and director's assistant for a Warner Brothers feature film.

The Department offers a taught MLitt in Film Studies. The programme is a great way to complete an accelerated Masters degree with the view of undertaking PhD study in film and media studies. All MLitt students in Film Studies take part in a core course co-taught by several Department members, where you will cover the salient theoretical, analytical and historiographical approaches to cinema up close with renowned specialists in their respective fields. In addition, you take a topic course designed to probe new directions in film studies. The programme culminates in a dissertation supervised by a staff member in the student’s chosen area of expertise. MLitt students in our Department also benefit from contact with a large postgraduate cohort (currently counting 26 PhD students stemming from five continents).

Postgraduate activities include regular research presentations by leading scholars, a prominent student-run academic journal (Frames) and a yearly postgraduate conference, as well as workshops, film screenings, activities and retreats.

"Film Studies is a close-knit community and every member of staff is always fully engaged with the students' wellbeing and academic performance. All our lecturers present a wide range of research interests, which means that we have a large variety of topics to choose from at Honours level, with our lecturers having written most of the academic research on specific subjects."

Gabrielle (Harare, Zimbabwe)
French courses enable you to develop a high level of competency in language skills. Alongside language, you will also study French literature, culture, civilisation, history, politics and values allowing you to develop strong cultural awareness.

- Our specialist staff offer a unique range of courses from the Middle Ages to the present.
- The subject can be studied with a wide range of other languages.
- French can be studied with popular non-language subjects such as International Relations.
- Courses are designed and delivered with the guidance of a French language teaching fellow.

**What will I study?**

**First year**
The language courses, taught in French and English, are designed to consolidate and develop skills acquired in secondary school, and to increase fluency in the target language. Four literature texts – encompassing prose, drama and poetry – are studied per semester; these are read as a means of enhancing language learning and introducing you to wider issues of French and Francophone history and cultural identity. Teaching includes two-and-a-half hours of language per week (including one oral class with a native speaker), plus literature lectures and seminars.

**Second year**
The degree programme is taught primarily in French. It comprises a core language element and a choice of literature and civilisation courses which span the Middle Ages to the present day. Teaching includes two-and-a-half hours of language per week (including one oral class with a native speaker), plus literature lectures and seminars. The course aims to prepare you for the year abroad and help you to make an informed choice of courses at Honours level.

**Third and fourth years (Honours)**
We offer four consecutive language courses with an emphasis on communication skills, critical review and blog-writing, and translation. Oral classes involve debates, group presentations and bilateral interpretation. A wide range of classes in language, literature, intellectual history and twentieth- and twenty-first century culture, politics and society is also available. Courses include: translation studies, modern French thought, francophone African literature, the Enlightenment, and politics and propaganda in the Middle Ages.

We also offer dissertation options, allowing you to work on extended personal research with a specialist tutor to advise you.

**Study abroad**
You can choose to study abroad as part of your degree. French students also participate in the University-wide St Andrews Abroad programme. Further information on page 133 and online: www.st-andrews.ac.uk/study-abroad

Entry requirements
We consider all aspects of every application, including context, equivalent qualifications and the Personal Statement. Offers may be higher or lower than the grades stated here. See also page 169.

**Qualifications must include** an A in French.

**SQA Highers:** AAAA

**GCE A-Levels:** AAB

**International Baccalaureate Points:** 36, including HL6 in French.

"You are not only exposed to the works of iconic French authors like Flaubert and Maupassant but my favourite aspect about the French Department is the opportunity it gives its students to study in France. It’s an amazing opportunity to immerse oneself in the culture and to acquire a new appreciation for the language."

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**Available degree options**
All the degrees are available With Integrated Year Abroad

- **MA**
  - Single Honours French
  - Joint Honours French and one of 26 other subjects
  - Triple Honours French and two other modern languages

- **MA**
  - ‘With’ Honours Biology with French (BSc)

- **BSc**
  - Chemistry with French (BSc or MChem)

- **MChem**
  - Chemistry with French and External Placement (MChem)

See Arts combinations, pages 172-173

See Triple combinations, pages 136-137

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**Previous knowledge of subject required?**
Yes, French

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**Nomfundo**

(Johannesburg, South Africa)
Geography

www.st-andrews.ac.uk/subjects/geography
gg@st-andrews.ac.uk

See also Sustainable Development

Field trip to a volcano in Iceland

Geography here offers rich insights into the social and natural worlds and into the fascinating interplay between them; you will cover a wide range of topics from cultures, societies and economies to physical landscapes and environmental processes.

• Ranked fourth in the UK in The Times and The Sunday Times Good University Guide 2018.
• Great flexibility in the choice of subjects spanning the full range of geography, all taught by leading experts, plus the breadth and flexibility of the Scottish university system which opens up numerous fascinating course combinations.
• Fieldwork opportunities within Scotland in all four years, plus an overseas residential field trip in third year to, for example, Iceland or Ireland.
• Externally acclaimed training in a range of valuable transferable skills, including quantitative and qualitative analytical methods, teamwork and presentation skills, and training in critical thinking.
• Study in a stunning location and in a friendly School, finishing as a highly literate and numerate graduate with excellent employment prospects.

What will I study?
You can take Geography in either the Faculty of Arts (MA) or the Faculty of Science (BSc). While Geography itself is taught as a single, integrated subject, the MA/BSc choice gives you the option of combining Geography with subjects from the Faculties of Arts or Science during your first two years. Within our flexible structures, all aspects of geography are available to you in all four years, allowing you to explore your evolving interests. You will be taught in many different styles and settings. Small-group teaching begins in first year, and average class sizes progressively diminish through the degree; in fourth year, some courses offer one-to-one supervision. Geography can also be combined with a wide range of other subjects as a joint degree.

The programmes you follow for the BSc or MA are exactly the same within the Geography element of your degree. The curriculum in the first two years is a balanced mix of physical, human and environmental geography, and is followed in third and fourth year by the opportunity to specialise in what you are most interested in. We have particular strengths in: climate change, glacial studies, population and health, migration and mobility, studying past and present environments, development and Geographic Information Systems (GIS).

First year
You will gain a broad grounding in geography, and explore the relevance of integrated, geographical thinking for understanding both human and natural environments. The complex interrelationships between people and planet are a key focus. Topics include the idea of the Anthropocene, climate change, capitalism and development, migration and population, and GIS.

Entry requirements
We consider all aspects of every application, including context, equivalent qualifications and the Personal Statement. Offers may be higher or lower than the grades stated here. See also page 169.

SQA Highers: AAAB
GCE A-Levels: AAA
International Baccalaureate Points: 38

“The programme of study allows students to immerse themselves in a wide range of topics, develop a plethora of mixed research skills, and study in numerous settings, including in the computer and research labs, in classroom tutorials and, everyone’s favourite, out in the field. Though St Andrews has provided me with countless wonderful memories, my favourite one was our week-long Honours field trip to the stunning glaciated landscapes of Norway.”

James (Lancashire, England)
Geography

www.st-andrews.ac.uk/subjects/geography
gg@st-andrews.ac.uk

Second year
Building on first year and preparing you for Honours-level study, second year combines conceptual and applied approaches to a range of geographic issues, including: glacial processes, cultural and political geography, environmental management, population studies and biogeography, and also the nature of geography as an academic discipline.

Third and fourth years (Honours)
The Honours years allow you to specialise in your particular interests by choosing from our unusually wide range of specialist courses, all taught by experts in their field. You will also be trained in high-level research skills, including quantitative, qualitative and fieldwork methods, equipping you to carry out your own research dissertation guided by one-on-one supervision.

Study abroad
Geography students participate in the University-wide St Andrews Abroad programme. For information about study abroad options, please see: www.st-andrews.ac.uk/study-abroad

Careers
Reflecting the broad nature of Geography, graduates leave here with a diverse and unique set of highly transferable skills, putting them in a very strong position in the jobs market.

Career paths include government, environment, sustainability, tourism and leisure, planning and development, business and finance, security analysis, as well as science research.

Employers seek out Geography graduates because of their rare combination of quantitative and qualitative skills, their ability to integrate and analyse diverse data, their understanding of human/environment interactions, their competence in GIS and spatial analysis, and their ability to think critically and creatively about the big social and environmental challenges facing us.

Our graduates have gone on to excel in a wide range of careers, reflecting the breadth of the subject. Geographers often end up in surprising places.

Significant numbers of our graduates progress to postgraduate study, both at Masters and PhD level.

Additional information
The School covers the full cost of all obligatory field trips, and offers a range of scholarships and awards to support your studies.

““I chose to study Geography because it is a very relevant topic in the world today. It encompasses so many different subjects and different points of view that I feel like it will help me gain a broader perspective on the world. The lecturers are so passionate about the subject, which makes it all the more exciting. It is great at St Andrews because there are so many opportunities to go out and experience the topic we are discussing in person, and it helps to learn about the subject and how it is relevant to our everyday lives.”

Mia (Michigan, USA)
German

www.st-andrews.ac.uk/subjects/german

germanhod@st-andrews.ac.uk

See also Modern Languages

• The St Andrews German programme is broad, covering German Studies from the Middle Ages to the present day. You can take specialist courses in diverse areas, from translation, to mediaeval culture, to East German cinema.
• You can combine German with one or two other languages, or with Comparative Literature.
• Joint Honours is possible with subjects as diverse as English, History, Management, Psychology or International Relations.
• You can start as a beginner, or with GCSE or National 5 qualifications, as well as with Highers or A-Levels.

What will I study?
You will develop proficiency in the German language that brings you to near-native competency. The course combines communicative and intercultural approaches with translation, grammar and textual study.
You will study the literary, cultural and intellectual history of the German speaking lands in depth. The German Department covers a range of specialisms, from mediaeval studies to gender studies, from nineteenth-century literature to environmental thought.

First year
We offer intensive foundation courses for beginners and advanced language and literature courses for those with higher entrance qualifications. The advanced course combines language and literature, developing speaking and listening, reading and writing skills. The literature and culture programme surveys German literature, culture and history from 1945 to the present day.

Second year
The language course builds on the skills acquired in first year and prepares you for studying abroad. Classes cover German literature, culture and history in the Middle Ages, the late eighteenth-century, the age of unification and Weimar Germany. At the end of the first two years you will have encountered texts in German from its origins as a language to the present day, and should be ready to go and work or study abroad.

Third and fourth years
(Honours)
All students take the same core courses in German language, including advanced oral, writing and communication skills. You have scope to construct the rest of your programme by choosing from a wide variety of courses. These reflect the individual research interests of staff members and allow you to work at the frontiers of the subject.
Recent topics include the Nazi past in German cultural memory, Shakespeare in Germany, mediaeval things, Berlin, modernity and the metropolis, writing nature: German environmental thought (1800-2000).

Study abroad
You can also study abroad as part of your degree, please see page 133.

Alongside developing your language skills to a high level, German at St Andrews allows you to pursue your own specific interests. You have a broad choice of courses including mediaeval studies, literature, film and linguistics.

Available degree options
All the degrees are available With Integrated Year Abroad

Single Honours
German

Joint Honours
German and one of 23 other subjects

Triple Honours
German and two other modern languages

‘With’ Honours
Economics with German

See Arts combinations, pages 172-173

Previous knowledge of subject required? No

Entry requirements
We consider all aspects of every application, including context, equivalent qualifications and the Personal Statement. Offers may be higher or lower than the grades stated here. See also page 169.

SQA Highers: AAAB
GCE A-Levels: AAB
International Baccalaureate Points: 36

“I have been able to explore some really fascinating aspects of not just the language but also the culture and history that surrounds it. Spending my third year teaching English in a school in Germany was an amazing experience. The German Society here is also very active and welcoming, putting on plays and hosting events throughout the year.”

Kate (Scottish Borders, Scotland)
You will experience a broad range of expertise in many historic eras, from Scotland to Byzantium, the Americas, the Middle East and South Asia. Thematic interests include religious history, urban history, transnationalism, historiography and nationalism.

- You will be taught by staff with internationally-recognised expertise in a wide range of historical fields.
- You can take a Single Honours History degree, which allows you to range widely over historical time and space, or a specialised degree in Modern, Mediaeval or Scottish History within the School of History. Ancient History is available within the School of Classics.
- The School of History was ranked third in the UK by the Guardian University Guide 2018 and fifth in the UK by the Complete University Guide 2018 for overall student satisfaction and quality of its research.
- Small tutorial groups and classes mean that students receive individual attention and detailed feedback on coursework from their tutors.

The Single Honours History degree provides the widest range of subject choices. Across your first and second years you take at least two classes in each of two of the following historical periods: Ancient (pre-500 CE), Mediaeval (500-1500) and Modern (post-1500).

At Honours level, again, you need to cover two different historical periods and may choose from the full range of courses in Ancient, Mediaeval, Middle Eastern, Modern and Scottish History.

What will I study?
First and second year classes are designed to provide broad introductions to various key topics, and are taught via lectures and weekly small group tutorials. Third-year Honours options allow you to develop detailed knowledge of particular themes, events, socio-political developments, and geographical areas. Classes usually comprise 10-15 students. As an alternative to an extended essay or dissertation, final year students may devise a multi-media project on an historical theme of their choice.

Study abroad
History students participate in the University-wide St Andrews Abroad programme. You may also have the opportunity to participate in our School Abroad exchange programme. For information about study abroad options, please see: www.st-andrews.ac.uk/study-abroad

Careers
History graduates find employment in academia, museums and archives, or as History teachers. Using the analytical and communication skills acquired through the study of History, many also proceed to careers in law, publishing, the armed forces, the service industries, the financial sector, the arts and the media. The School also offers a course which gives students the opportunity to gain invaluable first-hand experience of teaching in local schools.

The School of History offers a range of taught and research-based Masters degree programmes and opportunities for PhD students.

Entry requirements
We consider all aspects of every application, including context, equivalent qualifications and the Personal Statement. Offers may be higher or lower than the grades stated here. See also page 169.

www.st-andrews.ac.uk/subjects/entry

Qualifications must include History.

SQA Highers: AAAB
GCE A-Levels: AAA
International Baccalaureate Points: 36, including HL6 in History.

"The flexibility within the School has allowed me to tailor my degree to my interest in modern history. Special Collections at the University have a considerable amount of accessible material which has been useful to my studies while departmental libraries also act as a valuable resource for more specific material. Studying History has allowed me to take a broad range of subjects, while keeping both my further study and career options open."

Jamie (Glasgow, Scotland)
History – Mediaeval History

www.st-andrews.ac.uk/subjects/history
historyadmissions@st-andrews.ac.uk

See also Ancient History, History

St Andrews has one of the largest concentrations of internationally recognised mediaeval specialists in the world.
You will have a very wide range of subject choices in Mediaeval History, ranging from Ireland to Armenia, and from the fourth to the fifteenth century.
An unparalleled interdisciplinary research environment means that you will be taught by many staff who are leaders in their field.
Studying Mediaeval History offers you the opportunity to explore mediaeval Europe and the Middle East through the thinking and expression of the time, as well as grappling with complex historical issues.
The town of St Andrews is rich in mediaeval heritage, making it an apt and inspiring choice of location for your studies.

Mediaeval History & Archaeology
After taking the third year core class in the principles and techniques in archaeology, you select topics in archaeology and in the history of the mediaeval period of your choice. We offer you the chance to attend the Summer School at the British School of Rome.

Mediaeval History
Mediaeval History at St Andrews covers a geographical range from Iceland to Central Asia. We have particular strengths in political, legal, and religious history, in the history of Scotland, and in that of Byzantium and the Middle East.

First year
You will explore politics and society in the early mediaeval period (c.500-c.1100) across Britain, Europe and the Near East and also examine developments in the British Isles between 1100 and 1500.

Second year
Topics will include an analytical survey of the history of continental mediaeval Europe from the eleventh through the fourteenth centuries, and an introduction to the Middle East, as well as a grounding in the major themes and development of history as a scholarly discipline and the study of historiography. The critical examination of relevant primary sources and study skills are built into the programme.

Third and fourth years (Honours)
Third year semester-long options offer specialist study in over 15 different areas.
Examples of recent topics include: early Irish society from the seventh to the ninth centuries, the eastern Roman Empire during the reign of the Emperor Justinian, civil conflicts during the later fifteenth century, and women and gender in later mediaeval Europe.
In fourth year, you take one more Honours option and a year-long Special Subject, and write a dissertation. Examples of Special Subject topics include: a study of the reign of Charlemagne, the British Isles during the Wars of the Bruces, and the lives and religious careers of Saints Francis, Clare and Dominic.

Available degree options

MA

Single Honours
Mediaeval History

MA

Joint Honours
Mediaeval History and one of 23 other subjects
See Arts combinations, pages 172-173

MA

‘With’ Honours
Mediaeval History with Persian

Entry requirements
We consider all aspects of every application, including context, equivalent qualifications and the Personal Statement. Offers may be higher or lower than the grades stated here. See also page 169.
www.st-andrews.ac.uk/subjects/entry

Qualifications must include History.

“...studying the Middle Ages has been a delight at St Andrews...”

Cameron Cameron
(County Tyrone, Northern Ireland)
You will analyse global historical events over the past 500 years from a present day context. You are able to pursue a variety of different approaches including political, military, religious, scientific, social and economic history.

- As a Modern History student at St Andrews, you will benefit from the expertise of renowned historians who are actively engaged in research and publication.
- You will choose from a range of optional classes covering a very broad chronological, geographical and thematic range.
- The modern era comprises the period from around 1450 to the twenty-first century, and classes are offered on the histories of many nations and regions, including Britain, Europe, the Middle East, South Asia, East Asia and parts of Africa and the Americas.
- You will have the opportunity to pursue many different approaches in your study of Modern History. Intellectual, political, cultural, military, religious, gender, social and economic history are among the options on offer.

What will I study?
The Modern History degree will teach you to analyse historical events, cultures and societies from a contemporary perspective.

First year
You will study the early modern western world from around 1450 to the late eighteenth century. You will also explore themes in late modern history, covering the period from 1776 until the turn of the twenty-first century. Both courses explore various topics, including the development of modern states, war and empire, alongside various key aspects of cultural, social and political history.

Second year
Topics you will study include a survey of Scotland, Britain and Empire from the early modern period to the present. You will also gain a grounding in the major themes and developments of history as a scholarly discipline and the study of historiography and of different methodological approaches to topics in history.

Third and fourth years
In third year, you will usually study two classes per semester, chosen from a wide range of available options spanning the early modern and late modern periods. Examples of recent topics include: the Reformation in Europe, women and men in early modern Europe, China’s revolutions in the nineteenth and twentieth centuries, and French Algeria from the 1830s until 1962.

In fourth year, you take one more Honours option and a year-long intensive Special Subject. Recent examples of these include: the political and religious history of Elizabethan England, the history of British cinema from the 1920s to 1960, ideas of place and space in twentieth-century Germany, and the development of the city in East and Southeast Asia from the mid-nineteenth to mid-twentieth centuries.

You may also write a dissertation on a topic of your choice, or complete an Honours Project, which is assessed via an 8,000-word essay and presentation.

Entry requirements
We consider all aspects of every application, including context, equivalent qualifications and the Personal Statement. Offers may be higher or lower than the grades stated here. See also page 169.

Qualifications must include History.

SQA Highers: AAAB
GCE A-Levels: AAA
International Baccalaureate Points: 36, including HL6 in History.

“I’ve been interested in history since I was a kid, and the more I got involved in politics, I felt more drawn to Modern History. The unique part about History at St Andrews is that in many cases you are surrounded by the history you are studying. When we learned about the Scottish Reformation it was easier to understand when many of the principal locations were literally right outside the door of the lecture theatre.”

Philip (New Jersey, USA)
History – Scottish History

www.st-andrews.ac.uk/subjects/history
historyadmissions@st-andrews.ac.uk

Available degree options

Single Honours
Scottish History

Joint Honours
Scottish History and one of 11 other subjects
See Arts combinations, pages 172-173

This course is an ideal introduction to understanding Scotland’s unique history and place in the world. You will be exposed to issues of nation building, loss of sovereignty and the tensions between core and periphery.

• Our Scottish historians have been at the forefront of recent, major reinterpretations of Scotland’s past. In studying Scottish History here you will work with this group of widely-published experts.
• As a setting of fundamental importance in Scottish history, St Andrews is a unique and enriching location for your studies.
• You will be able to study the history of Scotland from the making of kingdom and country in the early Middle Ages to the debates around Unionism and Nationalism in the late twentieth century.
• You can explore key periods including the Wars of Independence, the Reformation and the Enlightenment and themes like kingship, identity and religious change.
• Although previous study of History is required, it is not necessary to have prior knowledge of Scottish History in order to take the classes on offer.

What will I study?

In the first two years you will study the history of Scotland in courses which place the country and its people in a European and global context. The Honours programme offers a wide breadth of periods and approaches for the study of Scottish history.

Your classes are chosen from those offered in the School of History and will encourage you to place Scotland’s history in the wider context of European and global change.

First year
You will study Scotland and the English Empire between 1070-1500 by examining the development of Scotland as a kingdom and nation in the Middle Ages. You will also take two further history classes in the first two years.

Second year
You will explore the issues of British nationalism, imperialism, and devolution in Scotland from 1500-2000. You will also have the opportunity to develop a grounding in the major themes of history, in the development of history as a scholarly discipline and in the study of historiography. The critical examination of relevant primary sources and study skills are built into the programme.

Third and fourth years (Honours)
You can take courses on a wide range of periods and approaches. They have included Scotland and Ireland during the Dark Ages, the importance of the castle in mediaeval Scotland, and women in Scottish society from the nineteenth century to 1970. In third year you will normally study two optional courses per semester.

As a Single Honours Scottish History student, in fourth year you will take one further optional course and a year-long Special Subject – those offered in previous years include: the British Isles during the wars of the Bruces, and culture and society during the Scottish Enlightenment. You will also write a dissertation on a topic of your choice.

Entry requirements

We consider all aspects of every application, including context, equivalent qualifications and the Personal Statement. Offers may be higher or lower than the grades stated here. See also page 169.

Qualifications must include History.

SQA Highers: AAAB
GCE A-Levels: AAA
International Baccalaureate: Points: 36, including HL6 in History.

“Studying Scottish History at St Andrews is an incomparable experience. Being taught by academics who write the books and are leading experts in their fields, and having access to a large collection of original Scottish sources enabled me to work in an academically challenging and an intellectually stimulating environment in which I could develop and broaden my research interests. In all honesty, it is the best decision I ever made.”

Petros (Nicosia, Cyprus)
International Relations

www.st-andrews.ac.uk/subjects/international-relations
irhos@st-andrews.ac.uk

International Relations as a discipline enables you to explore diplomatic history, international law, political theory, political economy and political science in order to provide theoretical perspectives to explain conflict and cooperation in the wider world.

• Our School is the only one of its kind in Scotland, and St Andrews is one of the few universities in the UK that offers a Single Honours degree specifically concerning International Relations.
• International Relations at St Andrews was ranked first in the UK in the Guardian University Guide 2018 and for the three previous years.
• We were also rated top in the UK in The Times and The Sunday Times Good University Guide 2018.
• You will study in a School that has a long established international reputation for its high quality teaching and research, consistently achieving top ranking in University league tables.
• You will interact with many world-renowned scholars researching on the topics that they teach, whose wide ranging expertise covers all regions and today’s most pressing global issues.
• You will be part of a diverse, dynamic and high achieving international student body that is enthusiastically and actively engaged in the discussion of contemporary world affairs.
• You will benefit from the intellectual intimacy of small class teaching, enjoying unrivalled access to expert knowledge, cutting-edge research, and talks by leading visiting scholars.

What will I study?
Single Honours International Relations is an outstanding degree that gives you the opportunity to directly learn from renowned experts specialising in a range of subject areas and geographical regions. Our research-led ethos will underpin your learning, while our use of critical approaches will urge you to question your assumptions about the world around you.
You will benefit from the School’s delivery of exciting, relevant and critical courses, which are complemented by small class sizes, creating a vibrant, focused and self-motivating learning environment for your studies.
As a result of your independent guided reading and research, the topics you take will develop your critical appraisal skills and analytical abilities, as well as your capacity to explain, defend and construct arguments both oral and written. Through the mastery of these, you will hone your skills in writing, communication, critical understanding, and applied knowledge.
The School’s expertise relates to all regions of the world and encapsulates the full spectrum of contemporary – and historical – events, issues, and challenges with which the study and practice of international relations is concerned. Our commitment to research-led teaching – whereby a number of staff teach on their subjects of world-leading specialist expertise – underpins these strengths, and brings pioneering research directly into our classrooms.

Entry requirements
We consider all aspects of every application, including context, equivalent qualifications and the Personal Statement. Offers may be higher or lower than the grades stated here. See also page 169. www.st-andrews.ac.uk/subjects/entry

SQA Highers: AAAB
GCE A-Levels: AAA
International Baccalaureate

Please note:
• Each year the University receives many more applications for a degree in International Relations than there are places. If you wish to study International Relations here, ensure that you indicate this in your application.
• Access to 1000-level courses in International Relations is restricted. Only first year undergraduate students from the Faculties of Arts and Divinity meeting the Faculty entry requirements as outlined on page 169, or meeting the likely grades as outlined above, are allowed to take them.

Check the University website for more details on overseas entry requirements. More information is available at Advising.

Available degree options

<table>
<thead>
<tr>
<th>Degree</th>
<th>International Relations</th>
<th>Joint Honours or ‘With’</th>
<th>MA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single Honours</td>
<td>International Relations</td>
<td>International Relations with one of 25 other subjects</td>
<td>MA</td>
</tr>
<tr>
<td>BA</td>
<td>International Relations</td>
<td>International Relations and two modern languages</td>
<td>MA</td>
</tr>
<tr>
<td>MA</td>
<td>International Relations</td>
<td>See Arts combinations, pages 172-173</td>
<td>See Triple combinations, pages 136-137</td>
</tr>
</tbody>
</table>

Previous knowledge of subject required? No
International Relations

www.st-andrews.ac.uk/subjects/international-relations
irhos@st-andrews.ac.uk

First year
You will receive an introduction to international relations, through which you will discover the basic theoretical approaches and concerns used in the study of the subject.
You will also explore the major issues and challenges that confront those within the world of international politics.

Second year
You will examine the more advanced theories underpinning the study of international relations. From that basis you will go on to foreign policy analysis and international security by studying how countries make foreign policy, and the importance of national security.

Honours (third and fourth) years
We provide specialist knowledge in various area or single country studies (spanning Africa, Asia, the Middle East, the EU, Latin America and the US) and a variety of sub-disciplines (for instance, peacekeeping and peace-building, terrorism and political violence, global civil society, international law, international organisations, globalization and human rights). Other topics allow you to investigate the interdisciplinary contributions of psychology, history and gender, whilst our innovative teaching includes the study of the international relations of music, refugees, energy security, the environment, the internet, and aesthetics.

Study abroad
International Relations students participate in the University-wide St Andrews Abroad programme. You may also have the opportunity to participate in our School Abroad exchange programme. For information about study abroad options, please see: www.st-andrews.ac.uk/study-abroad

Careers
International Relations graduates are dynamic, globally aware, and self-motivated.
International Relations graduates:
• transfer their critical reading, writing and communication skills, as well as advanced analytical abilities, to a variety of professional and internationally-orientated environments.
• possess invaluable reasoning and questioning skills attained via the completion of a highly competitive degree.
• have proven time management abilities, and have completed diverse, focused, and challenging projects.
• go on to a very diverse range of careers. These include: the United Nations, the Red Cross, the International Atomic Energy Agency, the UNHCR, UNESCO, the Carter Center, Stratfor, the BBC, The Scotsman newspaper, the armed forces, civil services, JP Morgan, Shell, KPMG, Cisco, Nomura, Deloitte, and PwC. Many also pursue postgraduate and doctoral qualifications.
• often go on to further study. The School offers a range of one-year MLitt programmes (in International Security Studies, Middle East, Caucasus and Central Asian Security Studies, Peace and Conflict Studies, International Political Theory, Strategic Studies, and Terrorism Studies), as well as advanced MPhil and PhD programmes.

“...because I find it genuinely fascinating. Moreover, international relations will always remain important because politics is ever-changing and keeps moving forward. The topics covered, especially as you specialise, are very interesting and are all taught by experts in the field.”

Michaela (Kuching, Malaysia)
Italian

Available degree options
All the degrees are available With Integrated Year Abroad

<table>
<thead>
<tr>
<th>Degree Options</th>
<th>Previous knowledge of subject required?</th>
</tr>
</thead>
<tbody>
<tr>
<td>MA Single Honours Italian</td>
<td>No</td>
</tr>
<tr>
<td>MA Joint Honours Italian and one of 24 other subjects</td>
<td>No</td>
</tr>
<tr>
<td>MA Triple Honours Italian and two other modern languages Italian and one other modern language and another subject</td>
<td>No</td>
</tr>
</tbody>
</table>

See also Modern Languages

As a student of Italian, you will develop your language skills to a high standard and will have the opportunity to engage in a number of specialist topics including language, literature, history, politics and film.

- Rated first in the UK in the National Student Survey 2017 with 100% for student satisfaction.
- The Italian Department is the largest in Scotland. Language teaching at all levels takes place in relatively small groups, and the structure of the programmes ensures that you will receive a solid grounding in both the language and the culture of Italy.
- We have specialist expertise in teaching Italian to complete beginners, and many of our students enter at this level.
- Members of the Italian Department have high international research profiles, and have very diverse areas of expertise, ranging from early literature to contemporary film.
- Our innovative and distinctive teaching approach includes mixed skills and integrated classes, and regular structured contact with native speakers.

What will I study?

Italian at St Andrews has a unique focus on closely guiding and monitoring your progression and development. We provide a solid grounding in both language and culture, and equip you with fundamental critical and communicative skills relevant to careers in all professional areas. We are a very vibrant and lively Department, and key areas of staff expertise include Dante, the Italian Renaissance, translation studies, modernism and twentieth-century poetry, transnational, migration and border writings, Italian film, gender and postcolonial studies.

First year
Depending on your background in Italian, you will either be introduced to, or consolidate your knowledge of, the fundamental areas of Italian grammar, focusing on your skills in listening, speaking, reading and writing. You will also be introduced to, or further explore, elements of Italian culture and literature from a range of periods and genres, and have the opportunity to work independently on particular topics.

Second year
You will consolidate and expand your understanding of Italian grammar, syntax and lexical knowledge, and of contemporary Italy. You will also study representative periods, works and authors, such as Dante, Machiavelli, and Primo Levi.

Third and fourth years (Honours)
Through extensive use of contemporary materials in the core language courses, you will enhance your linguistic as well as your analytical and critical skills, and examine important issues in contemporary Italian culture and society. You will also be introduced to professional areas of language training, like translation and interpreting.

Given the breadth of our staff’s research specialisms, you will be able to study in depth an extremely wide variety of periods and aspects of Italian culture and literature.

Study abroad
You can also study abroad as part of your degree, please see page 133. www.st-andrews.ac.uk/study-abroad

Entry requirements
We consider all aspects of every application, including context, equivalent qualifications and the Personal Statement. Offers may be higher or lower than the grades stated here. See also page 169.

SQA Highers: AAAB
GCE A-Levels: AAB
International Baccalaureate Points: 36

Miriam (Glasgow, Scotland)

“I began my Italian studies as a beginner so I am incredibly fortunate to have been taught by staff who have continuously encouraged me to develop my language skills to an advanced level, with all the benefits of learning in a small and intimate department. The varied nature of the programme has also allowed me to study a range of cinema, literature and history courses, whilst also learning about contemporary social issues in Italy.”

Venice
Management is a distinct social science. Your studies will focus on how organisations operate and how value is created in multiple organisational forms. You will develop a thorough understanding of how business and management function.

- Strong multidisciplinary approach to Management.
- Develop critical thinking, self-reliance and research and employability skills.
- Large portfolio of degrees offered (MA, BSc, Single Honours, Joint Honours or Triple Honours).
- Possibility to study abroad in the third year.
- International scholars and students from all over the world.

What will I study?
A degree in Management will introduce you to a variety of organisations in all sectors and will teach you to understand techniques which draw from the subject including marketing, organisational behaviour, managing in diverse and challenging situations, and analysing financial data. From your studies, you will acquire interpersonal skills in problem solving, critical thinking and self-reliance, and will be empowered to interrogate evidence, challenge existing logic, and question established ways of doing things.

You will learn from a team of international scholars whose teaching and research are centred on the concept of responsible enterprise, which entails an ethical approach to managing organisations and their social and environmental impacts.

First year
You will take two compulsory courses, one in each semester. Taken together, these explain why we have organisations and how they operate in society and what information is required of them by the external environment.

You will be introduced to three key aspects of management in the external and internal environment – understanding the business environment, people and organisations, and economic principles.

Second year
You will take two compulsory courses, one in each semester. These explore the core functions of managers, including marketing, organisational behaviour, managing in diverse and challenging situations and the analysis of financial data.

First you examine the conceptual frameworks and techniques of marketing and organisational behaviour.

Then you examine some of the alternative perspectives on management and the changing policy and business environment for organisations, and engage with accounting from a broader sociological perspective.

In addition, you may choose to take an innovative course on enterprise and creativity, which helps you develop creative entrepreneurship skills and take a proactive role in managing your learning.

Entry requirements
We consider all aspects of every application, including context, equivalent qualifications and the Personal Statement. Offers may be higher or lower than the grades stated here. See also page 169.

SQA Highers: AAAB
GCE A-Levels: AAA
International Baccalaureate Points: 38

Available degree options

<table>
<thead>
<tr>
<th>Single Honours</th>
<th>Joint Honours</th>
<th>Joint Honours</th>
<th>Triple Honours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Management Science (BSc only)</td>
<td>Management and one of 3 other subjects</td>
<td>Management and one of 17 other subjects</td>
<td>Management and two modern languages</td>
</tr>
</tbody>
</table>

Previous knowledge of subject required? No

See Cross-Faculty subjects, page 7
See Science combinations, page 174
See Arts combinations, pages 172-173
See Triple combinations, pages 136-137

Management Science (BSc only)

See Science combinations, pages 172-173

Management and one of 4 other subjects

Joint Honours

Management and one of 17 other subjects

Joint Honours

Management and two modern languages

Triple Honours

See Triple combinations, pages 136-137

“Management is a distinct social science. Your studies will focus on how organisations operate and how value is created in multiple organisational forms. You will develop a thorough understanding of how business and management function.”

Divya (Gwalior, India)
Management

www.st-andrews.ac.uk/subjects/management
mngtschl@st-andrews.ac.uk

Third and fourth years (Honours)
If you decide to take Management in your third and fourth years, you will take two compulsory courses:

The first one provides an integrative understanding of organisation in society, drawing from key contemporary theoretical perspectives to analyse different ideological and practical aspects of organising.

The other provides a learning experience in which management students can understand and respond to current and likely future challenges that will face them in the near and intermediate future as managers and citizens.

In addition, you will take optional courses chosen from a wide range which reflects the expertise of staff in the School. Here is a sample of Honours topics which have been covered in previous years:

- Corporate finance and control
- Corporate social responsibility, accountability and reporting
- Financial markets and investments
- International business
- Human resource management
- Knowledge of work: practice and context
- Leadership development
- Non governmental organisations (NGOs): contexts, contributions, and challenges
- Sustainable development and management.

Our degree programmes:

Management
You will receive advanced training in quantitative techniques that are relevant to the analysis of managerial problems.

The Management degree emphasises behavioural, organisational and strategic issues.

The MA course is particularly suited for those wanting a range of options across arts subjects but who want to give most of their attention to Management. For those interested in studying Management alongside science subjects, the BSc may be of interest instead of the MA.

Management Science
The Management Science BSc is particularly suited for those who want to give most of their attention to Management, as they acquire the skills to apply mathematics to Management. The distinction between Management Science and Management is that the former includes advanced training in quantitative techniques (Operational Research) that are relevant to the analysis of managerial problems.

Study abroad
Management students participate in the University-wide St Andrews Abroad programme. You may also have the opportunity to participate in our School Abroad exchange programme. For information about study abroad options, please see: www.st-andrews.ac.uk/study-abroad

Careers
Our students have found employment in the fields of general management, marketing, accountancy and the financial services industry. These roles have been undertaken in a wide variety of organisations in the public and private sector.

While a degree in Management provides an excellent basis for a career in management, it can also be used as a springboard into a wide variety of other careers.

Our degrees in Management develop an understanding of core organisational issues as well as developing key transferable skills. They are designed to equip students with the skills and knowledge to critically assess and challenge established practices of management, promoting the use of creative and innovative approaches to managing complex organisational problems.

An emphasis is placed on responsible enterprise, which enables students to become both socially and environmentally aware, and encourages them to be self-reliant, critical and creative thinkers.

Each year some students undertake further study at Masters and PhD level in the UK and beyond.

“In every aspect, studying in St Andrews is an incredible and unique experience, full of opportunities to develop your personal skills, abilities and employability. The School of Management offers students the choice of a broad range of highly interesting topics, allowing you to tailor a degree path that suits your own particular interests. The incredibly diverse and multicultural student body also provides a wide variety of opinions and perspectives, enhancing any classroom discussion.”

Stephanie (Cheshire, England)
Mathematics & Statistics

www.st-andrews.ac.uk/subjects/mathematics
maths-admissions@st-andrews.ac.uk

Available degree options

Integrated Masters
- Mathematics
- Applied Mathematics
- Pure Mathematics
- Statistics

Single Honours
- Mathematics
- Statistics

Joint Honours
- Mathematics and one of 9 other subjects
- Statistics and one of 7 other subjects
- Mathematics with Geography
- Mathematics with Spanish

Joint Honours MA
- Mathematics and one of 20 other subjects
- Statistics and one of 3 other subjects
- Mathematics with Russian

Previous knowledge of subject required? Yes, Mathematics

MPhys
- Mathematics and Theoretical Physics

MChem
- Chemistry with Mathematics

What will I study?
St Andrews has first-class researchers in the three main areas of the mathematical sciences: Pure, Applied and Statistics. Our courses reflect this diversity of interests and provide the focus for specialisation and project work.

Understanding patterns and structure, and developing the tools with which to analyse them, is the primary focus of all mathematics. Whether the patterns relate to physical or biological phenomena or to the structure of mathematics itself, the primary aim is to describe, categorise, and understand the processes involved. Much of your time here will be concerned with developing the analytical techniques and skills necessary to explore some of these fascinating areas of research.

First year
You will take between one and three first-year courses in mathematics. There is one compulsory mathematics course, which aims to extend and enhance your skills in algebraic manipulation and in differential and integral calculus, to develop your geometric insight and your understanding of limiting processes, and to introduce you to complex numbers and matrices.

Second year
We offer eight courses across the whole range of mathematics and statistics, of which you will take between four and eight, depending on your intended degree. These are designed to introduce you to the study of more advanced mathematics, opening up access to the diverse range of courses that we offer at higher levels.

Third and fourth years (Honours)
You have the option either to continue with a broad spread of pure mathematics, applied mathematics and statistics or to concentrate on just one or two of these areas. Examples of recent topics include: topology, fractal geometry, dynamical systems, solar theory, financial mathematics, statistical inference.

In your final year, you will be required to investigate a topic of your choice in some depth, submit a report and give an oral presentation.

Entry requirements
We consider all aspects of every application, including context, equivalent qualifications and the Personal Statement. Offers may be higher or lower than the grades stated here. See also page 169.

Qualifications must include Mathematics.

If you are accepted onto a Single Honours degree in the Faculty of Science in the School of Mathematics & Statistics, then you can change on arrival between any of the three routes below, provided you meet the minimum likely grades.

First year entry
SQA Highers: AAB – A in Mathematics.
International Baccalaureate Points: 38, including HL6 in Mathematics.

Direct entry into second year
SQA Advanced Highers: AA, including Mathematics in addition to Highers at AAB – A in Mathematics.
International Baccalaureate Points: 39, including HL6 in Mathematics.

For Fast Track MMath degrees
SQA Advanced Highers: BB including Mathematics in addition to Highers at AAA – A in Mathematics.
International Baccalaureate Points: 39, including HL6 in Mathematics.

Your primary focus studying Mathematics will be understanding patterns and structure and developing the tools with which to analyse them. You will be able to describe and categorise processes involved in physical or biological phenomena.

• Stimulating environment, teaching by some world-class researchers.
• Wide variety of courses offered.
• Outstanding tutorial support, especially in first and second year.
• Mathematics was placed first in Scotland and seventh in the UK for student satisfaction in the National Student Survey 2017.

We offer four further courses, one of which provides an introduction to mathematics, another covers a wide variety of topics in pure and applied mathematics, another course concentrates on statistics, and one is on problem-solving techniques.
Mathematics & Statistics

www.st-andrews.ac.uk/subjects/mathematics
maths-admissions@st-andrews.ac.uk

Integrated Masters (five years)
You combine undergraduate and Masters-level study into a single five-year programme, graduating with a Masters degree.
In addition to the third and fourth year courses described above, we teach around twenty more advanced courses, each of which is delivered by a research-active specialist in the field.

Direct entry into second year / Fast Track
Students with excellent Advanced Higher, A-Level or International Baccalaureate qualifications can enter directly into the second year of study.
Second year entry students bypass the first-year courses entirely. You will also have the opportunity to study abroad, after either one or two years’ study at St Andrews.
The MMath Fast Track route allows you to take a mixture of first and second year courses in your first year, including a specially-designed course to help rapidly bridge the gap between first and second year mathematics. In second year you study a mixture of second and third year courses, enabling you to complete the MMath degree in four years.

Our degree programmes:

Applied Mathematics
You will focus on real-world applications of mathematics, and learn how to apply your mathematical skills to solve problems in fields as diverse as biology, astrophysics, and finance.

Mathematics – See ‘What will I study?’ on the previous page.

Pure Mathematics
You will acquire the analytical techniques, clear logical thinking and deductive reasoning necessary to explore and understand mathematical problems. There are also many connections between pure mathematics and computer science, and you will have the opportunity to learn about these, if you wish.

Statistics
You will specialise in the branch of mathematics that focuses on collecting, analysing and presenting large quantities of numerical data. There are many practical applications for statistics, including fields such as science and medicine, government, business and education.

Study abroad
Mathematics and Statistics students (except Fast Track) participate in the University-wide St Andrews Abroad programme. For information about study abroad options, please see: www.st-andrews.ac.uk/study-abroad

Careers
Demand for mathematically trained graduates currently vastly outstrips the supply and hence career prospects are excellent in a variety of fields.
Recruiters seek numerate graduates whose skills include IT and computational skills, who are literate, enthusiastic and logical thinkers, all of these skills are provided in our degrees. A Mathematics/Statistics degree is recognised as a substantial achievement in a demanding discipline.
Over 50% of our graduates gain employment with merchant banks, insurance companies, computer consultancies, the civil service, industry, and financial services organisations (for example, Goldman Sachs, KPMG, PwC and many more).
Many graduates go onto further study for an MSc and PhD, both of which are available here at St Andrews, and some go into teaching.

Scholarships
We offer a small number of scholarships of up to £1,000 to first year students, based on financial need.

Accreditation
Our degree programmes in Mathematics, Pure Mathematics and Applied Mathematics are accredited by the Institute of Mathematics and its Applications.
Our degree programmes in Statistics are accredited by the Royal Statistical Society in recognition of the “breadth, depth, quality and foundation” of these programmes as well as their statistical content.
The BSc (Hons) in Medicine provides you with thorough knowledge of the foundations of medical science whilst helping you develop extensive decision making skills and an ethical understanding. The course also provides early, relevant clinical experience.

The School of Medicine offers an undergraduate course: the BSc (Hons) Medicine degree. Students on this degree graduate after three years and move on to one of the University’s partner medical schools to complete a further three years of training and graduate with a Bachelor of Medicine, Bachelor of Surgery (MB ChB/MBBS).

- We provide a learning environment which integrates professional training with a sound knowledge of the scientific basis of medicine.
- You gain an appropriate early clinical experience to emphasise the clinical relevance of the medical sciences, including placements from your first year onwards.
- State-of-the-art facilities including anatomy facilities for full body dissection, clinical skills suites and integrated technology support your learning.
- The School also offers a bespoke route for eligible Canadian students, providing mentoring and teaching towards practising medicine in Canada.

Why St Andrews?
The BSc (Hons) in Medicine provides you with a thorough knowledge of the foundations of medical science, whilst developing skills required by ‘Tomorrow’s Doctors’.

Depending on where you intend to undertake your final three years towards an MB ChB/MBBS degree, the A100 degree programme offers three different application routes (Scotland, England and No Preference) for Home and RUK students. If you are ‘overseas’ for fee purposes then you will progress to the University of Manchester.

The School also offers an A990 route for Canadians wishing to return to Canada for residency placement. The programme is only for Canadians (or those with Canadian residency rights) who are ‘overseas’ for fee purposes. You will graduate from St Andrews with a BSc (Hons) Medicine before progressing to the University of Edinburgh to complete your medical training and this will include an attachment to the University of Alberta. Students on this programme are not eligible to enter NHS Foundation Training in the UK. A100 and A990 students are taught together on the same course at St Andrews.

You will receive integrated teaching within a strong clinical context, designed to encourage you to apply your understanding of medical sciences to clinical problems. From the start you will be encouraged to develop the professional attitudes, ethical understanding and decision-making skills required of a doctor. Professionalism and patient safety are key components of the entire course.

Teaching occurs in purpose-built facilities, including an anatomy dissection suite and simulated environments for clinical and communication skills teaching. You will experience clinical placements and meet patients within the NHS from first year.

Entry requirements
We consider all aspects of every application, including context, equivalent qualifications, the Personal Statement and UKCAT scores. However, it is likely that successful applicants will have met, or are likely to meet, the academic standards described below.

SQAA Highers: AAAAB, including Chemistry (A grade) and one other of Biology, Mathematics or Physics. These grades should normally be obtained at the same sitting. If Mathematics, Biology and English have not been passed at Higher, each must normally have been passed at National 5 (A or B) or Intermediate 2 (A or B).

No direct entry from fifth year (S5): If you are a Scottish candidate you will not be admitted in the academic year immediately following your fifth year at school. Offers made will be conditional and based on 56 programmes of study. Applicants must be studying three subjects in S6 and likely conditions required will be BBB in either Advanced Highers or new Highers.

GCE Advanced (A2) Level: AAA, at the same sitting, including Chemistry and one other of Biology, Mathematics or Physics. If Biology, Mathematics and English are not being offered at Advanced (A2) level, each must normally have been passed at GCE grade B (grade 5 in numerical grading) or better.

International Baccalaureate Points: 38, including at Higher level, three passes at grade 6, including Chemistry and one of Biology, Mathematics or Physics; and at Standard level, three passes at grade 6. If Mathematics, Biology or English are lacking at Higher level they must be offered at Standard level.

Applicants presenting other qualifications are expected to have attained these at a level which is equivalent to those above.

Entry requirements
We consider all aspects of every application, including context, equivalent qualifications, the Personal Statement and UKCAT scores. However, it is likely that successful applicants will have met, or are likely to meet, the academic standards described below.

SQAA Highers: AAAAB, including Chemistry (A grade) and one other of Biology, Mathematics or Physics. These grades should normally be obtained at the same sitting. If Mathematics, Biology and English have not been passed at Higher, each must normally have been passed at National 5 (A or B) or Intermediate 2 (A or B).

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GCE Advanced (A2) Level: AAA, at the same sitting, including Chemistry and one other of Biology, Mathematics or Physics. If Biology, Mathematics and English are not being offered at Advanced (A2) level, each must normally have been passed at GCE grade B (grade 5 in numerical grading) or better.

International Baccalaureate Points: 38, including at Higher level, three passes at grade 6, including Chemistry and one of Biology, Mathematics or Physics; and at Standard level, three passes at grade 6. If Mathematics, Biology or English are lacking at Higher level they must be offered at Standard level.

Applicants presenting other qualifications are expected to have attained these at a level which is equivalent to those above.

Entry requirements
We consider all aspects of every application, including context, equivalent qualifications, the Personal Statement and UKCAT scores. However, it is likely that successful applicants will have met, or are likely to meet, the academic standards described below.

SQAA Highers: AAAAB, including Chemistry (A grade) and one other of Biology, Mathematics or Physics. These grades should normally be obtained at the same sitting. If Mathematics, Biology and English have not been passed at Higher, each must normally have been passed at National 5 (A or B) or Intermediate 2 (A or B).

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International Baccalaureate Points: 38, including at Higher level, three passes at grade 6, including Chemistry and one of Biology, Mathematics or Physics; and at Standard level, three passes at grade 6. If Mathematics, Biology or English are lacking at Higher level they must be offered at Standard level.

Applicants presenting other qualifications are expected to have attained these at a level which is equivalent to those above.
Medicine

www.st-andrews.ac.uk/subjects/medicine
medical.admissions@st-andrews.ac.uk

First year
You will study the interrelationships between the pre-clinical sciences. You will receive an overview of the structure and functions of the body systems both microscopically and macroscopically, and be introduced to key themes across all years (e.g., ethics, public health, health psychology). You will study the musculoskeletal system in depth, via lectures, practical laboratories and dissection room sessions. You will be taught clinical and communication skills, and attend a community-based placement.

Second year
You will study the normal function and dysfunction of specific physiological systems (cardiovascular, respiratory, gastrointestinal, renal and reproductive systems). This will build on knowledge from your first year, whilst developing the key themes further. You will learn clinical skills related to each system, and attend more frequent placements.

Third year
You will study the normal function and dysfunction of complex integrative physiological systems (central nervous and endocrine systems). You will undertake a significant student-selected research project in the form of a dissertation. You will also consolidate your clinical training prior to moving to a partner medical school. Your clinical placements will focus on the secondary care environment.

Careers
Students with a BSc (Hons) Medicine continue to a partner medical school to complete their MB ChB or MBBS. Award of this second degree allows you to apply for postgraduate medical training relevant to your route:

• As an A100 UK/EU/International student you are eligible for provisional registration with the General Medical Council (GMC) upon graduation from the partner medical school. You will be eligible to apply to enter Foundation Year (FY) Training within the UK, which you apply for during your final year at your partner medical school. Following FY training, there are a wide range of career opportunities for doctors with over 60 different specialties available in the UK. Advice on careers in the NHS will be available throughout the course.

• Canadian students on the A990 route are not eligible to enter Foundation Year Training in the UK but receive specific mentoring and training in preparation for applying to the Canadian Resident Matching Service (CaRMS), including an attachment in Alberta during your final three years.

Accreditation
The BSc (Hons) Medicine is externally accredited by the GMC to the same standards as a primary medical qualification. Accordingly, progression is subject to both academic results and fitness to practise.

Additional entry routes:
Gateway to Medicine
The University offers this one-year programme taught in the Faculty of Science but with contributions from staff in Medicine. Applicants who are ‘overseas’ for fee purposes are not eligible to apply. For more information about the Gateway to Medicine, please see: medicine.st-andrews.ac.uk/teaching/bsc-hons-medicine/gateway-to-medicine

International Foundation Programme for Medicine
This is a one-year preparatory programme for Medicine combining science study with advanced English for academic purposes and communication skills. Only applicants who are ‘overseas’ for fee purposes can apply. For more information about the International Foundation Programme for Medicine, please see: medicine.st-andrews.ac.uk/teaching/bsc-hons-medicine/international-foundation

“I’ve always wanted to follow a career where I could actively help people so Medicine was the perfect fit for me. I enjoy studying the theory and science of medicine. Right from first year, you are given many opportunities to explore the different aspects of medicine. We do a lot of clinical skills and get an opportunity to study dissection from the beginning, which has been integral in my understanding of anatomy.”

Duncan (West Lothian, Scotland)
Medicine – ScotGEM

medicine.st-andrews.ac.uk/graduate-entry-medicine
scotgem-admissions@st-andrews.ac.uk

• This is a joint programme run by the universities of St Andrews and Dundee. This programme will be run in collaboration with the University of Highlands and Islands and four boards of NHS Scotland. First and second years will be led by the University of St Andrews, third and fourth years will be led by the University of Dundee.

• The Scottish Graduate Entry Medicine (ScotGEM) programme is the only medicine programme of its kind in Scotland. This four-year programme offers a unique and innovative programme tailored to meet the contemporary and future needs of the NHS in Scotland and focuses on rural medicine and healthcare improvement.

• The curriculum is structured around patient scenarios using a case-based learning approach. Placements will be delivered across four NHS boards in Scotland (Fife, Tayside, Highland and Dumfries & Galloway), and in third year, students will undertake a year-long ‘longitudinal integrated clerkship’ in a remote and rural area in Scotland.

What will I study?
ScotGEM is an intensive programme. The programme focuses on five themes: informatics, quality improvement, prescribing and therapeutics, public health and community engagement. These themes will encourage you to develop your expertise as a potential ‘agent of change’ within the health service.

First year
This year is based in St Andrews. You will use cases that focus on foundational medical sciences which will subsequently underpin more challenging scenarios. Consultation skills will be introduced alongside topics such as biochemistry, pharmacology, body systems and anatomy. You will have weekly clinical experience in the community.

Second year
This year is largely structured around the lifecycle and projects around the five themes. Much of the year will be spent on placement.

Third and fourth years (Honours)
In third year, you will undertake a ‘longitudinal integrated clerkship’ in a remote and rural part of Scotland. You will join a General Practice and follow patients through their illness journey over the course of a year. This approach has been shown to develop more patient-centred doctors with improved decision-making skills.

In fourth year, you will be immersed in the hospital environment in preparation for work as a junior doctor. You will complete two month-long foundation apprenticeships and other hospital-based clinical attachments. You will also arrange an eight-week period of clinical practice. This can take place anywhere in the world and will be focused on your own objectives.

MB ChB (Bachelor of Medicine, Bachelor of Surgery)
ScotGEM graduates will receive an MB ChB (Bachelor of Medicine, Bachelor of Surgery), which is a primary medical qualification (PMQ). ScotGEM is subject to approval by the General Medical Council (GMC). The process for accreditation has started. This process may not be complete before the first cohort of students is matriculated but is expected prior to graduation of the first cohort of students in September 2022.

ScotGEM is intended to be awarded jointly by the universities of St Andrews and Dundee; any joint degree is subject to agreement and statutory approval which is not guaranteed. The universities of St Andrews and Dundee will notify you if the degree cannot be established as intended.

Careers
ScotGEM is designed for those interested in a career as a generalist practitioner in NHS Scotland, focusing on rural medicine and healthcare. However, the course will prepare students for any branch of medicine. As a ScotGEM graduate you will be eligible for provisional registration with the GMC and to apply to enter Foundation Year (FY) Training within the UK; you will need to apply during the final year of the programme. Advice on careers in the NHS will be available throughout the course.

Entry requirements
Degree: 2.1 Honours degree in either Arts or Science.
SOA Highers/GCE Advanced (A2) Level: Chemistry at grade B.
SOA National 5/GCSE Mathematics: Standard Grade at Credit 2/Intermediate 2 at grade B/GCSE at grade B.
Up to date study skills: Must have undertaken academic study in the last three years prior to entry to ScotGEM (examples: undergraduate degree, Masters, PhD).
Aptitude Tests: UKCAT SJT/SJTace (in year of application) AND GAMSAT (in either the year of application or the previous year).
Middle East Studies

www.st-andrews.ac.uk/subjects/middle-east-studies
historyadmissions@st-andrews.ac.uk

See also Arabic, History, Persian

Tiles from the Rum Seljuk palace of Kubadabad, held in the Karatay Museum, Konya, Turkey

Your studies will cover the history, politics, cultures and languages of the Middle East, from pre-Islamic Iran and early mediaeval Armenia through the Byzantine, Seljuk, Mongol, Ottoman and Safavid Empires to twentieth-century Iran and Algeria.

• The opportunity to study the history of the Middle East at undergraduate level is a distinctive aspect of the History programme at this University. You will be equipped with the knowledge and skills to enable you to understand this culturally diverse and strategically important region of the world.
• Middle East Studies is available as a Joint Honours degree in combination with one of many disciplines.
• There is no need to have prior knowledge of Middle Eastern History in order to engage with the subject; however you need to have studied History.
• You may specialise in the mediaeval or modern periods, and choose from a wide range of Middle Eastern topics covering a variety of eras and cultures.

What will I study?
You will gain a wide range of disciplinary skills that are of great use in studying and understanding this culturally diverse and strategically important region of the world.

First year
You will normally take one first-year History class (in either Mediaeval or Modern History).

Second year
You will take two History classes, one of which will be the compulsory introduction to Middle Eastern History class.

Third and fourth years
(Honours)
You will choose from a variety of options covering a wide chronological and thematic spread. Examples of recent topics include: the collapse of the established political order in the seventh century Middle East, the development of Constantinople from late Roman to Ottoman times, the Crusades from Muslim perspectives, the shaping of the Iranian world by Turkic dynasties from the fourteenth to the eighteenth centuries, and the development of modern Iran since 1834.
Examples of year-long Special Subjects include: Armenia in the early mediaeval period, politics, society and culture from mediaeval Anatolia and the Fourth Crusade to the definitive establishment of the Ottoman empire, interactions between the Latin west and the powers and cultures of the Near East and beyond during the thirteenth century, and the relationship between Britain and Iran in the modern period.

Available degree options

Joint Honours

Middle East Studies and one of 16 other subjects

See Arts combinations, pages 172-173

Triple Honours

Middle East Studies-Arabic-Persian

Previous knowledge of subject required? Yes, History

Entry requirements
We consider all aspects of every application, including context, equivalent qualifications and the Personal Statement. Offers may be higher or lower than the grades stated here. See also page 169.

Qualifications must include History.

SQA Highers: AAAB
GCE A-Levels: AAA
International Baccalaureate Points: 36, including HL6 in History.

“I chose Middle East Studies because I love learning about the history and causes that affect current events there today — it also pairs well with my other focus (International Relations). Since so many international students are drawn to St Andrews, the diversity of perspective is valuable to any class discussion.”

Anna (Philadelphia, USA)
Modern Languages

www.st-andrews.ac.uk/subjects
modlangs@st-andrews.ac.uk

See also Arabic, Comparative Literature, French, German, Italian, Persian, Russian, Spanish

Single Honours
French
German
Italian
Russian
Spanish

Joint Honours
The following can be combined with a range of other subjects
Arabic
Comparative Literature
French
German
Italian
Persian
Russian
Spanish

See Arts combinations, pages 172-173
See Triple combinations, pages 136-137

Triple Honours
All the subjects in the School can be combined with each other, and many with a third subject outside the School

What will I study?
Please refer to the pages of individual languages for further details of the key distinctive specialisms characterising each of our Departments. See also Subject index, page 175.

Triple Honours combinations
You can combine in one degree programme the study of two languages with a third non-language subject, or the study of three languages. You can also make the most of our flexible system to integrate in your triple subject degree a period of study abroad, in one or all the countries where the languages you study are spoken. All the languages taught in our School can be combined in a triple subject degree, and you will be able to decide in your third and fourth year in which area or subject you want to specialise.

Study abroad
We have successful partnerships with a number of distinguished international institutions which you can also visit as part of your degree as an exchange student. We are generally very flexible in trying to tailor study abroad to your needs and circumstances, to ensure that your experience abroad is positive, enriching and fulfilling.

Modern Languages students also participate in the University-wide St Andrews Abroad programme. For information about study abroad options, please see: www.st-andrews.ac.uk/study-abroad

You will not only develop a high level of proficiency in the language you choose to study, you will also be able to pursue your own specific interests, including culture, history, film, literature and politics.

• The School of Modern Languages was ranked second in the Guardian University Guide 2018.
• Our programme structures are amongst the most flexible in the UK.
• Our staff are leading researchers with expertise in an extremely wide range of areas and subjects, spanning from the mediaeval period to the present day.
• We offer a friendly learning environment with skilled and dedicated tutors at all levels, many of whom are native speakers.
• Our Multi-Media Centre houses a high-tech digital language laboratory.
• You can start as a complete beginner in Arabic, German, Italian, Persian, Russian and Spanish.
• If you study more than one language, you will be able to visit the countries where all the languages you are studying are spoken as part of your degree.
• We have a very active and dynamic student community, and a number of popular and vibrant language societies.
• The School also runs a well-integrated programme in Comparative Literature, taught by experts in the language and culture of the texts studied.

Entry requirements
We consider all aspects of every application, including context, equivalent qualifications and the Personal Statement. Offers may be higher or lower than the grades stated here. See also page 169.
www.st-andrews.ac.uk/subjects/entry

SQA Highers: AAAB
GCE A-Levels: AAB
International Baccalaureate: Points: 36

Available degree options
Almost all the degrees are available with Integrated Year Abroad

Study abroad
We have successful partnerships with a number of distinguished international institutions which you can also visit as part of your degree as an exchange student. We are generally very flexible in trying to tailor study abroad to your needs and circumstances, to ensure that your experience abroad is positive, enriching and fulfilling.

Modern Languages students also participate in the University-wide St Andrews Abroad programme. For information about study abroad options, please see: www.st-andrews.ac.uk/study-abroad

“I have had the chance to get to know the staff, and my student cohort, creating a real multilingual community.”

Iain (Lanarkshire, Scotland)
Modern Languages

www.st-andrews.ac.uk/subjects
modlangs@st-andrews.ac.uk

With Integrated Year Abroad
You may spend your third year in a country where the relevant language is spoken. With your Department’s assistance and approval, you may apply for the British Council Assistantship scheme, or organise an alternative work placement. You will receive a salary, paid locally, and be supported directly by your employer. During your stay you will also work towards an academic project to be submitted before completing your year abroad. Please note that placements are awarded through an application and selection process, and are not guaranteed. If you cannot secure an approved placement, you will be moved to a four-year programme.

Multi-Media Centre
The Multi-Media Centre (MMC) is a digital language lab which has been playing an increasingly important part in the School’s language teaching, with Computer Assisted Language Learning (CALL) software to support your learning and progress. You can take a virtual tour of our MMC at: www.st-andrews.ac.uk/modlangs/multi-mediacentre

Careers
Modern Languages graduates have an extremely good record of employment after graduating, not only in all sectors that require advanced language skills but also in professional environments that demand good communication and analytical skills.

Language graduates are generally very independent and self-sufficient employees, with initiative, developed problem solving, research and analytical skills, and a very positive attitude to challenge. Employers value our graduates because they demonstrate excellent communication, interpersonal and intercultural skills. Many of our graduates:
- specialise in translation and interpreting services, in language teaching or other sector-specific careers.
- join international institutions and enterprises, working in international development departments, human resources, administration, media and communication jobs.
- start a career in the banking and financial sector.
- join the civil service, particularly in positions within the Foreign Office.
- continue to study at postgraduate level.

All our Departments offer Masters and research degrees in the subjects taught in the School of Modern Languages. Our graduates often consider more specialised postgraduate courses in translation and interpreting.

“"The teaching staff are what make studying modern languages at St Andrews special. They are all passionate and enthusiastic about their subject, which motivates you to do your best. Having the Multi-Media Centre (MMC), a computer lab that gives you access to audio-visual materials in the language you are learning, helps to improve your listening skills and makes the learning experience more enjoyable.”

Hajar (Scottish Borders, Scotland)

“"My time abroad was an excellent way of immersing myself in a different European culture and an even better opportunity to travel to some beautiful cities in France. There were also significant academic benefits, most notably my greatly improved language skills.”

Laura (Renfrewshire, Scotland)

“"I spent my year abroad working as an English Language Assistant at a primary school in the small town of Haldensleben in Germany. I primarily assisted in English classes, as well as establishing bilingual maths classes and running an evening language programme for teachers. I would thoroughly recommend working abroad, as my language skills improved immensely and I forged many long-lasting relationships with people across Europe.”

Jack (West Midlands, England)

“"For my year abroad I worked as a British Council language assistant in secondary schools in the French overseas department of Reunion Island. During the school holidays, I got to visit Mauritius and Madagascar, climbed mountains, watched volcanoes erupt and swam in waterfalls. I loved working with the children and it gave me a whole new perspective on learning and languages. A year abroad isn’t quite as easy as it may seem, but it is really worth it. Challenge yourself, and you’ll be surprised at what you’re capable of.”

Ellen (Hertfordshire, England)
# Modern Languages

## Triple subject combinations

<table>
<thead>
<tr>
<th>Arabic and:</th>
<th>Arabic</th>
<th>Classical Studies</th>
<th>Comparative Literature</th>
<th>English</th>
<th>French – also available WIYA</th>
<th>German – also available WIYA</th>
<th>Greek (Classical)</th>
<th>Latin (Classical)</th>
<th>Management</th>
<th>Persian</th>
<th>Russian – also available WIYA</th>
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| Comparative Literature and: | Arabic | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
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| German – also available WIYA | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Italian – also available WIYA | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Russian – also available WIYA | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Spanish – also available WIYA | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |

| French and: | Arabic | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Comparative Literature | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| German – also available WIYA | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Italian – also available WIYA | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Persian | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Russian – also available WIYA | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Spanish – also available WIYA | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |

| German and: | Arabic | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Comparative Literature | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| French – also available WIYA | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Italian – also available WIYA | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Persian | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Russian – also available WIYA | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Spanish – also available WIYA | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |

| WIYA = Also available With Integrated Year Abroad | 3 = Triple | * = Only available to non-beginners in German | WIYA = Also available With Integrated Year Abroad | 3 = Triple | * = Only available to non-beginners in German |
Neuroscience is the science of the nervous system. You will study how the mind and brain work to facilitate our behaviour, covering topics such as memory formation, cognitive processing and the activity of nerve cells.

- This programme is taught jointly by the School of Psychology & Neuroscience and the School of Biology.
- Research-led teaching given by specialists in their fields.
- Small class teaching in Senior Honours courses allowing more student-lecturer interactions.
- Students have opportunities to conduct year-long research projects and develop their own specialities.

What will I study?
If you decide to study neuroscience at St Andrews, you should have acquired a sufficient science background at school. You will learn both the biological processes of animal behaviour and higher brain functions like perception and cognition. Our main specialisms include animal motor control, neural degeneration, neural development, animal behaviour, learning and memory.

First year
You will study some introductory courses on both biology and psychology with regular labs and statistical methods. You will also have the freedom to take up to two courses of your own choice.

Second year
You will learn some further psychology and some more specialised biology topics like biochemistry, molecular and cellular biology, evolutionary biology, zoology and ecology.

Third and fourth years
In the third year, you start to learn about neuroscience, pharmacology and other topics like behavioural neuroscience, perception and cognition, membranes and cell communication, gene regulation and expression, protein structure and function, research design and analysis.

In the fourth year, you have the options to develop your own speciality by choosing some small courses, for example, neurodegeneration and ageing, neural basis of episodic memory, neuromodulation, psychology of dementia, origins and evolution of mind reading.

Most of the courses have labs incorporated in them. You will also carry out a year-long research project in one of the neuroscience labs under the supervision of a specialist and are required to write a dissertation.

Study abroad
Neuroscience students participate in the University-wide St Andrews Abroad programme. For information about study abroad options, please see: www.st-andrews.ac.uk/study-abroad

Entry requirements
We consider all aspects of every application, including context, equivalent qualifications and the Personal Statement. Offers may be higher or lower than the grades stated here. See also page 360.

Qualifications must include at least two of Biology (or Human Biology), Chemistry, Mathematics or Physics.

SQA Highers: AAAB
GCE A-Levels: AAB
International Baccalaureate Points: 35

“Neuroscience is one of the smaller science subjects at St Andrews, which makes it feel more personal and involved. The lecturers are great at integrating pieces of their own research into lectures, which also gives us the opportunity to learn further about related research happening around the University.”

Maddy (Massachusetts, USA)

Available degree options
Previous knowledge of subject required? No – not Neuroscience specifically, but you should have a science background

BSc

Single Honours
Neuroscience

See also Biology, Psychology

www.st-andrews.ac.uk/subjects/neuroscience
neuro-admissions@st-andrews.ac.uk

View Neurobiology & Neuroscience
School of Psychology & Neuroscience

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Persian

www.st-andrews.ac.uk/subjects/persian
persian@st-andrews.ac.uk

See also Middle East Studies, Modern Languages

Persian is a creative and flexible language. Your studies will emphasise modern language, literature, drama, visual culture and cinema, but you will also have the opportunity to familiarise yourself with classical literary and historical texts.

- St Andrews is one of only five universities in the UK to offer degrees in Persian and the most versatile in the study of Persianate societies and Iranian studies.
- St Andrews has the largest range of Persian degrees in Scotland, and is the only university in Scotland in which you can study Persian alongside two other subjects.
- You can begin the study of Persian language with no prior knowledge and choose how far you wish to continue, semester by semester, up to the end of second year.
- You will have access to Persian, Iranian and Middle Eastern related events organised by various research groups across the University as well as by two undergraduate societies.
- You will have the chance to receive The Persian Book Prize (a Persian book or a book related to Persian), an annual prize given to the best student of each year group.

What will I study?

You will study the language, literature and culture of the Persian-speaking world. The topics include classical and modern Persian language and literature, and modern drama, media and film. The building of a high level of competence in language skills is a priority at all levels, and you will be expected to write using correct spelling, grammar and punctuation in both Persian and English. You may also take complementary subjects in Mediaeval or Modern History, Middle East Studies, International Relations, Social Anthropology and modern languages, including Arabic.

First year

You will learn the skills of reception (reading and listening) and production (speaking and writing) in Persian. You will become familiar with the spoken and written forms of Persian, developing your abilities to express yourself orally and in writing, and to read basic texts.

Second year

You will develop skills that enable you to read more sophisticated texts and translate them into English. You will also consolidate your understanding of Persian grammar and learn how to use it in reading, listening, speaking and writing. You will be exposed to some sample texts of modern Persian literature.

Third and fourth years (Honours)

In addition to core language courses, other courses are available, and cover aspects of literature, drama, cinema and gender relations. In the fourth year, you also have the option of doing independent guided research to write a short (one semester) or a long (two semesters) dissertation.

Study abroad

Persian students can participate in the University-wide St Andrews Abroad programme. See page 133 and online.

www.st-andrews.ac.uk/study-abroad

Entry requirements

We consider all aspects of every application, including context, equivalent qualifications and the Personal Statement. Offers may be higher or lower than the grades stated here. See also page 169.

www.st-andrews.ac.uk/subjects/entry

SQA Highers: AAAB

International Baccalaureate

Points: 36

“I chose to study Persian here as I love foreign languages and the culture of the Middle East. The course is fast paced and challenging yet so gratifying once you start being able to write basic sentences within the first few weeks. Our class is fairly small and tight-knit so everyone has the chance to participate and practise orally. Whilst learning grammar and vocabulary in class we are also taught about the culture of the region, crucial when learning such a different language!”

Emily (Staffordshire, England)
Philosophy – a highly interdisciplinary subject – is concerned with trying to make sense of ourselves and the world we live in through rational argument.

- A Philosophy degree from St Andrews is held in high regard throughout the academic world.
- Our graduating students have given us 100% satisfaction scores for the last two years in the National Student Survey 2017 and 2016.
- Philosophy can be pursued as a Single Honours degree, but it also combines naturally with many other subjects, such as Classics, History, International Relations, Psychology, and Theology. You can also combine it with a science and Mathematics.
- Philosophy staff at St Andrews work in a broad spectrum of disciplines, from logic and metaphysics to moral and political philosophy and beyond. As a result, we offer a wider variety of study areas than you might find elsewhere, within a flexible modular system.
- Significant numbers of our Philosophy graduates secure places on graduate programmes at St Andrews, or at other leading universities in the UK and the United States.

**What will I study?**
The Philosophy degree pathway is extremely flexible with several options and only one compulsory course in the first year. This allows you to explore the areas of philosophy you find appealing, while receiving a good grounding in the discipline and its methodology. Once you begin to specialise on entering Honours, you can tailor your degree to your interests thanks to the variety of options that are available each year. Overall, the makeup of your Philosophy degree is largely determined by you – though you will of course be guided by your advisers.

Our staff are at the forefront of research in their varied fields, and their expertise and enthusiasm is conveyed at all levels of teaching. Teaching and learning is carried out via a variety of methods. At first and second year, it involves both formal lectures and informal tutorials, in which you discuss your ideas, problems and questions with your tutor and fellow students. There are also examples classes, to support the learning of logic. At Honours level, courses are delivered workshop-style, with an emphasis on presentation and discussion, to further develop your skills of critical reading and analysis.

Assessment in first and second year is equal measures coursework and written examinations, but at Honours the majority of assessment is coursework only and often incorporates alternative methods (presentations, research projects, blogs) alongside the more traditional essay writing. Throughout your degree, teaching and assessment methods will enable you to develop a range of skills, from precise and effective reading to clear and critical thinking and cogent articulation of complex problems and arguments.

At St Andrews, we familiarise you with views put forward by

**Entry requirements**
We consider all aspects of every application, including context, equivalent qualifications and the Personal Statement. Offers may be higher or lower than the grades stated here. See also page 169, at www.st-andrews.ac.uk/subjects/entry

**SQA Highers:** ABB
**GCE A-Levels:** AAB
**International Baccalaureate Points:** 35

“**My diverse background (I was born in Korea and have lived in China) has always made me question my identity and this was the very beginning of being interested in metaphysics. Then, I eventually realised that I wanted to study Philosophy. The size of the Department makes for a friendly and focused environment, and our lecturers and tutors are always ready to help students.”**

Youngju (Seoul, South Korea)
Philosophy

www.st-andrews.ac.uk/subjects/philosophy
philosophy@st-andrews.ac.uk

the principal figures of the philosophical tradition, and provide you with the means to rationally evaluate these views. We encourage you to develop your own informed views on these issues, and teach you how to independently assess your own arguments. Learning philosophy is therefore as much about acquiring skills of criticism and analysis, clear thinking and principled debate, as it is about learning a specific subject matter.

First year
You will study some of the great texts in philosophy, from the beginnings of Greek antiquity right up until the present day. Philosophical questions can be abstract and theoretical, for example, how to define knowledge or how to relate the mind and the body, or practical, for example, what kinds of obligations we have to others, and how we ought to live. There are specific topics you have to cover if you want to continue with Philosophy, but there are several options to choose from, even at the introductory level, covering metaphysics, philosophy of mind, moral and political philosophy, reasoning, and the history of philosophy.

Second year
There is further opportunity to study the history of philosophy and to learn more about logic. Epistemology (the study of knowledge), the philosophy of language, aesthetics, and metaethics are also introduced. You will be able to explore more deeply some of the questions you were introduced to in first year. You will be able to choose between options, and will attend lectures and small-group tutorials while reading independently.

Third and fourth years (Honours)
You will take at least one course with a focus on reading core texts in a wide range of philosophical topics. You will also choose from a wide variety of topics in epistemology, metaphysics, formal logic, the philosophies of logic, mind, and language, applied ethics, ethical and political theory, metaethics, aesthetics, the philosophies of film, literature, creativity, law, economics, and religion, feminist philosophy, and texts in the history of philosophy, such as Scottish philosophy, Kant, or twentieth-century philosophy. There is also the option to combine a mini-dissertation with a practical, vocational course that will involve you visiting a local school to communicate your subject to pupils.

Study abroad
Philosophy students participate in the University-wide St Andrews Abroad programme. You may also have the opportunity to participate in our School Abroad exchange programme. For information about study abroad options, please see: www.st-andrews.ac.uk/study-abroad

Careers
Training in the sort of precise and effective reading, and clear thinking and writing, required for all philosophical study makes a good preparation for many careers. The critical thinking developed by the study of philosophy is highly valued by many employers.

Recent Philosophy graduates have entered careers in: non-profit organisations (campaign coordinator for Oxfam, graduate trainee at Charityworks), banking, management consultancy, retail area management, local government and government organisations (including the NHS), television production, publishing, and teaching.

Some graduates have also decided to pursue academic careers, either in philosophy or in other fields.

Many Philosophy graduates go on to study in other areas, for example, law conversion courses, and teacher training.

A significant number have gone on to pursue academic careers by enrolling in Masters, and then doctoral, programmes around the world.

“Studying Philosophy at St Andrews will make you think about things you may never have thought of before and question things you will never have questioned before. These skills will help you to thrive both academically and socially. At St Andrews you are fully supported in a way that allows you to focus on your own learning, all under the supervision of leading academics. It is a truly inspiring Department to be a part of.”

Anna (Glasgow, Scotland)
Physics & Astronomy

www.st-andrews.ac.uk/subjects/physics
physics@st-andrews.ac.uk

You will gain a solid grounding in core physics, which you will use in exploring practical, theoretical and computational aspects of the subject. There are choices of entry and exit points, and significant choice within the programme.

- The nature of the School allows significant interaction amongst students and staff.
- Physics at St Andrews was rated top in the UK in the Guardian University Guide 2018 as well as in 2017.
- Entrants with good Advanced Highers/A-Levels/IB may enter directly into second year and attain an Honours BSc in three years, or an Integrated Masters in four.
- The research project work of some of our final year students has achieved international recognition.
- Teaching is underpinned by the School’s research in laser physics and optoelectronics, biophotonics, quantum optics, magnetism and superconductivity, millimetre-wave techniques, and semiconductor structures.

What will I study?
You will gain an excellent education in physics, with the opportunity to specialise in astrophysics, theoretical physics, or experimental physics. You can become part of a stimulating academic community. The final year project, which is usually undertaken within one of our research groups, is a highlight of our degrees. Recent projects have involved modelling the interaction of photons with qubits, mapping the surface of Pluto, and optimising MRI for diagnosis of cardiac disease.

First year
You will develop knowledge and important skills through studies in topics such as classical mechanics, quantum phenomena, waves and optics and the properties of matter. Teaching includes lectures, tutorials, and problem-solving workshops. You will also study relevant mathematics courses. Intending astrophysicists also take an astrophysics course; this is an option for intending physicists.

Second year
Topics may include quantum physics, special relativity, dynamics, electricity and magnetism. You will also study linear algebra and multivariate calculus in the School of Mathematics & Statistics. Intending astrophysicists also take an astrophysics course; this is an option for intending physicists.

Third and fourth years (Honours)
You take some or all of the courses in quantum mechanics, nuclear and particle physics, electromagnetism, computational physics and condensed matter physics, and take additional courses in appropriate specialist areas. Depending on the degree, topics might include extragalactic astronomy, electronics, lasers, special relativity and fluids.

Entry requirements
We consider all aspects of every application, including context, equivalent qualifications and the Personal Statement. Offers may be higher or lower than the grades stated here. See also page 169.

Qualifications must include Physics and Mathematics
Preference may be given to candidates offering strong science qualifications.

If you are accepted onto a Single Honours degree in the School of Physics & Astronomy on the first year entry or direct entry into second year routes below, then you can change on arrival between the two routes, provided you meet the minimum grades.

First year entry
SQA Highers: AAAA
GCE A-Levels: AAA
International Baccalaureate Points: 38, including HL6 in Physics AND HL6 in Mathematics.

Direct entry into second year
SQA Highers and Advanced Highers: AAAA at Highers, and AA at Advanced Highers.
GCE A-Levels: AAA
International Baccalaureate Points: 38, including HL6 in Physics AND HL6 in Mathematics.

Physics and Astronomy (Gateway) and (International Gateway) entry
For UK students with high academic potential but having experienced disadvantage, at least BBB or ABBC at Highers, B8B at A-Level, in all cases to include Physics and Mathematics. Also for international students with high academic potential but with less access to advanced level qualifications.

Available degree options

<table>
<thead>
<tr>
<th>BSc</th>
<th>MPhys</th>
<th>BSc</th>
<th>MPhys</th>
<th>MSci</th>
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</thead>
<tbody>
<tr>
<td>Single Honours</td>
<td>Astrophysics</td>
<td>Astrophysics</td>
<td>Astrophysics</td>
<td>Astrophysics</td>
</tr>
<tr>
<td>Integrated Masters</td>
<td>Physics and one of Computer Science, Mathematics or Philosophy</td>
<td>Theoretical Physics and Mathematics (MPhys)</td>
<td>Physics and one of Computer Science, Mathematics or Philosophy</td>
<td>Mathematics (MSci)</td>
</tr>
</tbody>
</table>

Previous knowledge of subject required? Yes, Physics and Mathematics

X-ray crystallography experiment in the fourth year lab
Physics & Astronomy

www.st-andrews.ac.uk/subjects/physics
physics@st-andrews.ac.uk

Integrated Masters (fifth year)
In your fifth year, you choose more advanced courses, often working towards the boundaries of new science that is being reported in the literature.

Direct entry into second year
Appropriately qualified students may, if they wish, enter directly into second year of the Single Honours degrees in the School, and the joint degrees with Mathematics.

Gateway/International Gateway
Applicants who have experienced some form of disadvantage during their education, as defined by our contextual admissions policy, may be eligible to apply to our Gateway programme. The Gateway programme provides a supported first year and successful completion will allow you to progress into second year of one of our named degree programmes. The International Gateway programme is suitable for applicants from outside the UK who have not had the opportunity to study as much physics and maths as UK-based students.

Our degree programmes:

Astrophysics
You will apply core physics knowledge and skills to the study of the Universe. The University Observatory contains the largest operational optical telescope in the UK.

Physics
You study core physics courses, including laboratory courses, and can choose courses with a theoretical and applied focus.

Theoretical Physics
Your mix of courses can be similar to that of physicists, but in the Honours years the lab courses are normally replaced by advanced maths and theory courses.

Study abroad
Physics and astronomy students participate in the University-wide St Andrews Abroad programme. You may also have the opportunity to participate in our School Abroad exchange programme. For information about study abroad options, please see: www.st-andrews.ac.uk/study-abroad

Careers
Graduates from the School enjoy a range of career options, some using their physics knowledge and skills every day for example in research and development, others using the more general problem solving, programming, and mathematical skills developed in our courses in careers in finance and management. Some of our graduates have provided profiles: www.st-andrews.ac.uk/physics/prosp_ug

Many of our graduates go on to PhD research or specialist graduate courses such as medical physics or nuclear fusion energy.

Accreditation
All of the School’s degree programmes are accredited by the UK Institute of Physics. The School holds a Juno Champion and Athena SWAN Silver award, in recognition of our commitment to an equitable working culture in which all students and staff can achieve their full potential.

Scholarships
The University offers a number of scholarships, including some designated for those entering the Gateway programmes in this School.

“...The interaction between staff and students in the School is informal yet respectful, and the courses are well thought through. One of my best experiences so far has been the opportunity last summer to work within a Condensed Matter research group; this has made me more enthusiastic than ever for my chosen degree path of Experimental Physics.”

Alisa (Hertfordshire, England)
Psychology

www.st-andrews.ac.uk/subjects/psychology
psych-admissions@st-andrews.ac.uk

See also Neuroscience

Modern psychology focuses on the understanding of perception, cognition, motivation and behaviour at several different levels. The subject areas will range from the study of the brain to complex social interactions of humans and animals.

- Emphasis on research-led teaching from leading researchers in the field at every level of the degree culminating in an opportunity to conduct your own research project in well-equipped laboratories.
- Access to strong interdisciplinary research networks such as the Institute for Behavioural and Neural Sciences (IBANS) and the Centre for Social Learning and Cognitive Evolution (SoLaCE).
- The opportunity to specialise in areas of interest in the final year and to be taught in small specialist seminars.

What will I study?
Psychology can be taken by those who have specialised at school in science or arts subjects and hence is offered both as a BSc in the Faculty of Science and an MA in the Faculty of Arts. The Psychology components of your degree are the same regardless of whether you take a BSc or MA in Psychology. Psychology staff are specialised in the fields of cellular and behavioural neuroscience as well as cognitive, comparative, developmental, evolutionary, perceptual and social psychology.

First year
Taught by leading researchers, you will have four lectures and a two-hour practical per week covering the main areas of psychology. You will also learn how to conduct psychological experiments and analyse your data.

Second year
You will have four lectures and a three-hour practical in psychological methods per week as well as small group tutorials. These courses build an in-depth understanding of psychology.

Third and fourth years (Honours)
In third year, lectures and practical classes cover advanced material in core areas of psychology (clinical, cognitive, developmental, evolutionary and comparative, perceptual and social psychology). You will also conduct a supervised literature review on a topic of your choice. In addition, advanced methodology classes will introduce you to how we can generate new psychological knowledge.

In fourth year, you choose from a wide range of specialist topics. Previous topics have included the psychology of dementia, psychology of terrorism, psychopathology, psychology of visual art, cognitive psychology and emotional disorders, and the psychology of music.

Single Honours
You can take a Single Honours degree without a further subject in third and fourth year. Details are outlined in the section “What will I study?”. This degree focuses in depth on all major aspects of psychology.

Previous knowledge of subject required? No

Available degree options

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<td>Psychology</td>
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<th>BSc</th>
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<tr>
<td>Joint Honours</td>
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<tr>
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<th>BSc</th>
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<td>Joint Honours</td>
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<th>BSc</th>
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<tr>
<td>‘With’ Honours</td>
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<tr>
<td>Psychology with Biology (BSc)</td>
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<tr>
<td>Psychology with Geography (MA)</td>
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See Cross-Faculty subjects, page 7
See Science combinations, page 174
See Arts combinations, pages 172-173

Entry requirements
We consider all aspects of every application, including context, equivalent qualifications and the Personal Statement. Offers may be higher or lower than the grades stated here. See also page 169.

SQA Highers: AAAB
GCE A-Levels: AAB
International Baccalaureate Points: 35

“Getting to know different areas of psychology before choosing your favourites to immerse yourself in is great. Lecturers who are extremely passionate about their research make this experience even better, so that I had difficulty deciding which courses to choose. Their enthusiasm also offers early opportunities to get involved in scientific research. As School President, I was impressed by the School’s commitment to teaching excellence and its willingness to shape the learning experience together with its students.”

Maria (Düsseldorf, Germany)
Psychology

www.st-andrews.ac.uk/subjects/psychology
psych-admissions@st-andrews.ac.uk

Joint Honours with BPS accreditation
Some joint degrees with Psychology are recognised by the British Psychological Society and they confer Graduate Basis for Chartered Membership. You are allowed to spread classes covering the advanced core psychology areas over the third and fourth year. In addition, you must study the advanced methodology and undertake a literature review in your third year and undertake a psychology research project in fourth year.

Joint Honours without BPS accreditation
You can also take Psychology as part of a non-BPS accredited degree. Apart from taking a selection of core psychology classes, you are free to select further courses of interest in Psychology from third and fourth year.

Study abroad
Psychology participates in the University-wide St Andrews Abroad programme. For information about study abroad options, please see: www.st-andrews.ac.uk/study-abroad

Careers
Psychology gives insight into human behaviour and hence can be applied in many professional fields.

With further training, careers as a professional psychologist include becoming a Clinical, Educational, Industrial, Sports or Forensic Psychologist.

Other frequent career paths include human resources, marketing and management.

Our training results in highly competent individuals who possess key transferable skills needed in today’s and tomorrow’s workplace including:
- scientific approach to problem solving and information acquisition with current IT technologies.
- critical skills in assessment and review of information.
- written and oral presentation skills.
- group discussion and participation.
- ethical values in science and society.

Recent graduates have secured positions in, for example, the health service, the civil service, the military, banking and human resources.

A Psychology degree provides entry to a range of postgraduate degrees including MSc, MPhil, PhD and, to become a professional psychologist in the UK, a doctorate in clinical or educational psychology.

Accreditation
All Single Honours Psychology degrees and many joint degrees are accredited by the British Psychology Society for Graduate Basis of Chartered Membership, a pre-requisite for further professional training in psychology (for example, clinical or educational psychology).

“The passion of the lecturers in Psychology really helps students to develop an interest in the subject, whether it is scientific research methods or a topic like developmental psychology. It has also really helped me as I did not have previous knowledge of the subject before coming to St Andrews. Studying Psychology has also really helped me in other subjects, as I have a new approach to understanding world issues.”

Soyoun (Seoul, South Korea)
Available degree options

All the degrees are available With Integrated Year Abroad

<table>
<thead>
<tr>
<th>Degree</th>
<th>Notes</th>
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<tbody>
<tr>
<td>MA Single Honours</td>
<td>Russian</td>
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<tr>
<td>MA Joint Honours</td>
<td>Russian and one of 21 other subjects</td>
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<tr>
<td>MA Triple Honours</td>
<td>Russian and two other modern languages</td>
</tr>
<tr>
<td>MA ‘With’ Honours</td>
<td>Economics with Russian</td>
</tr>
<tr>
<td></td>
<td>Mathematics with Russian</td>
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See Arts combinations, pages 172-173
See Triple combinations, pages 136-137

Previous knowledge of subject required? No

Russian courses at St Andrews combine modern communicative methods with sound grammatical accuracy and a high level of oral aptitude. You can also choose from courses dedicated to literature, film, history and contemporary Russian society.

• The Russian Department scored 100% for student satisfaction in the National Student Survey 2017.
• You will gain an excellent knowledge of the Russian language and be able to use it in a variety of different social and professional contexts.
• You will study Russian literature and culture in the original language, not in translation, and be taught by experts publishing research in a wide range of subject areas.
• You have the option of studying in Russia for one semester or a full year.
• There are separate streams for beginners and non-beginners in first and second year.

What will I study?
You will gain an excellent knowledge of the Russian language for use in both written and spoken contexts. You also get to study Russian literature, media and culture from the eighteenth century to the present day, all in the original language. There are plenty of opportunities to practice your Russian outside the classroom with native speakers.

First year
In the beginners’ stream, you will focus primarily on gaining a sound knowledge of Russian vocabulary and grammar so as to be able to communicate in a variety of real-life situations.

In the non-beginners’ stream, classes aim to consolidate and expand the knowledge of Russian gained at school. Classes are devoted to grammar, translation and oral skills. You also study classic works of Russian literature in the original language.

Second year
You continue to extend your knowledge of the Russian language with classes on grammar, translation and oral communication. Classes are also designed to prepare students for study abroad. You will have the opportunity to study Russian literature and film in the original language.

Third and fourth years (Honours)
You continue to study the language with classes devoted to both the spoken and the written language. You also take courses in Russian literature and culture, taught by staff with research expertise in these areas. All classes are taught in small groups with an emphasis on student participation.

Study abroad
Students who have not done an Integrated Year Abroad can spend one semester in Russia during their third year. Further information on page 133 and online. www.st-andrews.ac.uk/study-abroad

Entry requirements
We consider all aspects of every application, including context, equivalent qualifications and the Personal Statement. Offers may be higher or lower than the grades stated here. See also page 169. www.st-andrews.ac.uk/subjects/entry

SQA Highers: AAAB
GCE A-Levels: AAB
International Baccalaureate Points: 36

“I chose to study Russian because I have always had a deep interest in Russian history and culture. I applied to St Andrews originally as a Single Honours History student, but picked up Russian along the way and have never looked back! The Russian Department is small, so it has a friendly and relaxed feel. It also means we can speak to tutors about anything and they are always happy to help. Having the opportunity to study in Russia for a year was the best experience of my life.”

Thomas (Aberdeenshire, Scotland)
Social Anthropology asks the fundamental question ‘what is it to be human?’ In order to answer this, you will examine the diverse ways in which humans establish and live social lives in the contemporary world.

- Ranked top in Scotland and in the top four UK Anthropology departments in the Complete University Guide 2018.
- A beautiful place that is also highly cosmopolitan: students come to study Social Anthropology from many cultures and from every part of the globe.
- Staff expertise covers all regions of the world in depth and in breadth.
- Anthrosoc, our student society, has an active Facebook group page covering events.
- Many of our students enter postgraduate study at many prestigious universities worldwide or go on to work for major international organisations.

What will I study?
Social Anthropology at St Andrews teaches you to take a comparative and global view of human individuality, society and culture and to look at the world from other people’s perspectives.

The Department has strongly established research on Latin America and the Caribbean, the Pacific, Africa, Europe, and Asia. We have championed innovative ethnographic and theoretical scholarship with regard to the relationship between anthropology and history, philosophy and cosmopolitan studies.

We are committed to facilitating and recognising student excellence. Alongside our passion for the highest quality of research-led teaching we award a number of prizes annually to students in each year of their degree for their outstanding academic performances. Our staff have received three University Teaching Awards and staff have been shortlisted for these awards in every one of the last three years.

First year
The first year will ground you in the anthropological approach toward ethnographic comparison and analysis showing you the increasing relevance of anthropology in understanding the contemporary world. You will learn through case studies from across the globe including in-depth ethnographies from the lives of Pygmies in Africa, Gitano in Spain, Quechua speakers in the Andes as well as research from Britain, Northern Europe and elsewhere.

Second year
You will gain a comprehensive foundation in the history of social anthropological theory and an introduction to ethnography as a research method and practice. In the first semester we explore the changing theories that have informed social anthropology from the mid-nineteenth century up to the present from ‘totemism’ to ‘cosmopolitics’.

In the second semester you will learn to construct your own ethnographic project, choose your own field site and write up your analysis.

Entry requirements
We consider all aspects of every application, including context, equivalent qualifications and the Personal Statement. Offers may be higher or lower than the grades stated here. See also page 169.

www.st-andrews.ac.uk/subjects/entry

SQA Highers: AABB
GCE A-Levels: AAB
International Baccalaureate Points: 35

“Studying Social Anthropology at St Andrews has been a challenging and rewarding experience. The Department is full of skilled and friendly staff with an expertise in a wide range of subjects and regions. The knowledge and support I have received during my time here has helped me to discover what I’m truly passionate about and has given me the confidence to pursue it. I know that my time here will have fully prepared me for a successful and exciting career ahead.”

Catherine (California, USA)
Honours (third and fourth) years
You will choose a portfolio of specialist courses combining regional and theoretical focuses. You may take specialist courses on West Africa, Papua New Guinea or the Andes, for example. Theoretical courses at this level explore themes such as the relations between perception and imagination in our knowledge of society, the anthropology of climate change, sex and gender, or contemporary forms of religious experience. You will also have the opportunity for practice-based study; you may learn to curate a museum display, decode indigenous artefacts, or create your own field site as an ethnographic participant-observer.

If you intend to do ethnographic research for your dissertation you will take a methods course that will orient your project aims. Issues of ethics and risk are also explored.

Study abroad
Social Anthropology students participate in the University-wide St Andrews Abroad programme. You may also have the opportunity to participate in our School Abroad exchange programme. For information about study abroad options, please see: www.st-andrews.ac.uk/study-abroad

Careers
A degree in Social Anthropology is important for any career where knowledge of other cultures is vital, such as in overseas development or in community relations work.

Graduates with a degree in Social Anthropology have proceeded to a wide range of careers, including the diplomatic service, social work, law and business, work for Non Governmental Organisations (NGOs), in teaching and in journalism.

The insight of an anthropologist is valued in any occupation that requires a sensitivity to different ways of life and thought, or which demands the manipulation of theoretical ideas in regard to the context of complicated human needs. A full understanding of ‘the human element’ in technological processes is increasingly in demand.

Some of our recent graduate careers include: BBC documentary producer, Google associate account strategist, director of future leaders at Entrepreneurial Scotland, legislative aide at the US House of Representatives.

Social Anthropology offers specialist Masters and PhD courses. Specialisms include Amerindian Studies, Art and Perception and Pacific Studies. Many students go on to study at prestigious universities elsewhere.
Available degree options

All the degrees are available With Integrated Year Abroad

Spanish

MA

Single Honours

Joint Honours

Spanish

Spanish and one of 26 other subjects

Spanish and two other modern languages

Spanish and one other modern language and another subject

See Arts combinations, pages 172-173

See Tripe combinations, pages 156-157

Spanish

MA

Triple Honours

Spanish and two other modern languages

Spanish and one other modern language and another subject

Economics with Spanish

Mathematics with Spanish

Spanish with Geography

See Arts combinations, pages 172-173

See triple combinations, pages 156-157

Spanish

MA

‘With’ Honours

Economics with Spanish

Geography with Spanish

Spanish with Geography

See Arts combinations, pages 172-173

See triple combinations, pages 156-157

By studying Spanish at St Andrews, you will gain a high level of proficiency in the language. You can also study Spanish in a variety of contexts including journalism, history, commerce, linguistics, literature and cinema.

- Spanish at St Andrews was rated top in Scotland by the Complete University Guide 2018.
- We offer a broad range of course options that reflect and explore the rich cultural heritage of Spain and Latin America, including the literature from the Golden Age to the present day, history, linguistics, film and translation.

What will I study?

At St Andrews, the primary objective is to gain knowledge and use of the language while exploring the great continuities and shifts within Spanish and Spanish-American culture, from its early beginnings to today. The Department of Spanish provides a lively and communicative approach to learning Spanish along with a formal learning structure and small group teaching.

First and second years

You will take courses which complement your level of Spanish. You will develop a deeper understanding and control of Spanish and will be offered a broad view of Spanish and Latin American literature, civilisation and culture. We offer intensive foundation courses for beginners or students with an SQA National 5 or GCSE in Spanish, and also offer advanced language and literature courses for those with higher entry qualifications such as a SQA Higher or GCE A-Level. All students have the option of studying Spanish language and critical approaches to cinema, which is particularly recommended if you plan to go on to Honours in Spanish.

Third and fourth years (Honours)

You will take some core courses in Spanish language, including advanced oral, writing and communication skills. You will also choose from a variety of advanced topics which incorporate literary, historical and cultural studies into language learning. Recent topics have included: post-1975 writing in Spain, autobiographical writing in twentieth-century Spain, the Argentine and Chilean avant-garde (1920s-1930s), literary translation, Spanish-American literature, linguistic study of the Spanish language, Mexico in the nineteenth century, action heroes and anti-heroes in early modern Spain, tales of the nation.

Study abroad

You can choose to study abroad as part of your degree. Spanish students also participate in the University-wide St Andrews Abroad programme. Further information on page 133 and online: www.st-andrews.ac.uk/study-abroad

Entry requirements

We consider all aspects of every application, including context, equivalent qualifications and the Personal Statement. Offers may be higher or lower than the grades stated here. See also page 169. See www.st-andrews.ac.uk/subjects/entry

SQA Highers: AAB
GCE A-Levels: AAB
International Baccalaureate
Points: 36

“Becoming fluent in Spanish has always been a dream of mine – my family speaks Spanish, and it has always disappointed me that I do not. Much to their surprise, I am now able to hold a conversation! St Andrews offered a pathway towards not only speaking, but an introduction to a whole world of literature previously inaccessible to me. It has been challenging but my lectures and tutors are wonderfully supportive and make it well worth it!”

Caelan (Texas, USA)
St Andrews was one of the first universities in the world to teach Sustainable Development at undergraduate level, and offers a globally rare opportunity to study this important subject.

- A programme with a strong international reputation, attracting students from around the world.
- A unique interdisciplinary degree with expert contributions from other subjects within the University, including Geography, Biology, Management, Social Anthropology and Economics.
- Within the structure of this programme, there is great flexibility and choice, allowing you to explore a wide range of other subjects.
- A small and friendly university which is committed to sustainability, aiming to be the UK’s first carbon neutral university.
- A programme which offers scope for practical involvement through its strong links with local, national and international sustainability initiatives.

What will I study?
At St Andrews, you can take Sustainable Development either as an MA in the Faculty of Arts or a BSc in the Faculty of Science. This gives you the option of combining Sustainable Development with subjects from either Faculty, not only during your first two years but also during your Honours years as well. Our flexible structures give you access to many aspects of Sustainable Development in all four years, allowing you to explore your evolving interests. You will be taught in many different styles and settings, both in the classroom and out in the field. Small-group teaching begins in first year, and average class sizes progressively diminish through the degree. A joint degree already exists with Geography, and further joint degrees are being developed. The topics you follow for the BSc or MA are exactly the same within the Sustainable Development element of your degree. The curriculum in the first two years introduces the concept of sustainable development and the debates surrounding it, and is followed in third and fourth years by the opportunity to specialise in aspects that interest you most. Key specialisms include energy studies, environmental and development economics, conservation science, and environmental management and policy.

First year
You are introduced to the key ideas underpinning sustainable development and will critically examine some of the key social and environmental transformations that are needed for a transition to sustainability. The UN’s Sustainable Development Goals provide a key framework. We adopt interdisciplinary approaches and foster innovative thinking.

Entry requirements
We consider all aspects of every application, including context, equivalent qualifications and the Personal Statement. Offers may be higher or lower than the grades stated here. See also page 169.

SQA Highers: AAAB
GCE A-Levels: AAA
International Baccalaureate Points: 36

Sustainable Development
addresses the most pressing environmental and developmental challenges of the twenty-first century. Topics you will cover include human health, food production and distribution, climate change and environmental governance and the continuing threat to biodiversity.

Available degree options

<table>
<thead>
<tr>
<th>Single Honours</th>
<th>Joint Honours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sustainable Development</td>
<td>Sustainable Development and Geography</td>
</tr>
</tbody>
</table>

Previous knowledge of subject required? No

See Cross-Faculty subjects, page 7

St Salvator’s Quadrangle

James (Cheshire, England)
Sustainable Development

Second year
You begin this year by discussing conceptual frameworks and approaches which can promote sustainable development (conservation science, market regulation) and the strengths of various solutions (for example, technological, personal, community). You will then focus on ‘tools for action’, the challenge of turning sustainable development from theory into practice.

Third and fourth years (Honours)
These years comprise a mix of core and optional courses. In addition to options available within the School (for example, energy politics, environmental economics), the unique structure of the Sustainable Development programme also gives you access to courses in several other Schools across the University. You will be trained in high-level research skills, equipping you to carry out your own research project guided by one-on-one supervision.

Study abroad
Sustainable Development students participate in the University-wide St Andrews Abroad programme. For information about study abroad options, please see: www.st-andrews.ac.uk/study-abroad

Careers
Taking Sustainable Development at St Andrews allows you to study in a stunning location and a welcoming School, and then as a highly literate and numerate graduate, from a prestigious university with excellent employment prospects.

Reflecting the broad, varied and applied nature of the Sustainable Development programme, our graduates have a diverse and unique mix of highly transferable skills. Richly varied career paths include conservation, environmental management, government, NGOs, impact assessment, strategic planning and development, the energy sector, business and finance, and consultancy, as well as science research.

Given sustainable development’s high global profile, Sustainable Development graduates are in demand because of their keen interest in the nature and future of the planet, and their skills in thinking critically and creatively about today’s key challenges. They have a rare combination of quantitative and qualitative skills, an ability to integrate and analyse diverse data, and a deep understanding of human/environment interactions.

Our graduates have gone on to excel in a wide range of careers, reflecting the breadth of the subject. Significant numbers of our graduates progress to postgraduate study, both at Masters and PhD level, including our own suite of Sustainable Development Masters programmes.

“My passion for the environment and in learning how we can make adjustments to live more sustainably made me want to study Sustainable Development. There are many projects to get involved in within St Andrews and beyond to ensure that I am applying what I learn and having a positive impact on the community. I also enjoy the field trips we go on, they are a great way to experience a different style of learning and provide us with the opportunity to talk with lecturers in a more relaxed setting.”

Brittany (Toronto, Canada)
Applying to St Andrews

Each year we receive far more applications than we can accept. In addition to the required academic achievement, we look for students who can challenge ideas, take innovative approaches and who have the potential to get the most from their time with us.

Academic decision-making
Academic decision-making and criteria setting are at the heart of the selection and decision-making processes. Applications are assessed by Admissions Officers within Admissions, guided by designated staff in each academic School. All applications received before the relevant deadline will be given equal consideration. We only interview for Medicine, Gateway programmes, BA (International Honours), General degrees, part-time study and International Foundation Programmes.

What we look for in an application:
- Academic qualifications, both already gained and/or predicted.
- The context in which qualifications have been, or will be, achieved.
- Personal Statement: this is a very important part of your application. You are encouraged to spend time drafting and rewriting your statement so that it is well-structured and well-written.
- Academic reference.
- Where appropriate, performance at interview.
- Where appropriate, relevant work or other experience.

UK and EU students
If you are a UK or EU student, you must apply through UCAS. You can choose up to five degree programmes at institutions across the UK. This information is correct at time of going to press (January 2018).

Application deadlines:
15 October – Medicine
15 January – All other subjects

www.ucas.com
UCAS name – STA
UCAS code – S36

International students
If you are applying with an ‘overseas’ fee status (this is most international students) there are three ways you can apply. You can only use one application method.
• UCAS – Applications must be submitted by 31 January for Medicine and 30 June for all other subjects. www.ucas.com
• Direct Application – If St Andrews is the only institution you are applying to in the UK, you can apply to us directly. Applications must be submitted by 31 January for Medicine, 1 May for BA (International Honours) and 30 June for all other subjects. www.st-andrews.ac.uk/study/apply/ug/direct
• Common Application – St Andrews accepts Common Application applicants. The deadline for submitted applications, including the supplement, is 1 May. www.st-andrews.ac.uk/study/apply/ug/common

Direct entry into second year
It is possible to apply for entry directly into the second year of some science degree programmes. A BSc Honours degree may thus be obtained in three years and an Integrated Masters in four years rather than five.

If you are studying for an HNC or HND, you may also wish to contact the Admissions team to enquire whether you meet entry requirements for direct entry into second year.

You should bear in mind that direct entry into second year may reduce the degree flexibility which is normally found within the Scottish four-year Honours degree. Students entering directly into second year will also be taking Honours entry exams in the first exam diet after they arrive. We strongly advise applicants considering direct entry into second year to contact the academic School to discuss this option.

Deferred applications
Applications for deferred entry will be considered on an individual basis. However, you should be aware that academic Schools may vary the number of deferred offers made for their programmes each cycle. You should check the most recent information regarding deferrals before making an application. Contact Admissions for advice.

Transferring from another university
If you wish to transfer from another university, your application will be considered on an individual basis, however you should be aware that offers to transfer are only made in a very small number of cases. For UK and EU students, applications to transfer must be made through UCAS and are subject to the UCAS deadline of 15 January. For international applications the deadline is 30 June. You should highlight your intention to transfer clearly, and address your reasons for wishing to move from your current institution in your Personal Statement.
Your qualifications

Scottish Baccalaureate
Individual components of the Scottish Baccalaureate will be considered in conjunction with other Highers and Advanced Highers.

Cambridge Pre-U
Admission will be based upon three Pre-U Principal Subjects, or a suitable combination of three Pre-U Principal Subjects and A-Level subjects.

Welsh Baccalaureate
The Welsh Baccalaureate Advanced Diploma is acceptable in combination with two A-Levels.

European and international qualifications
We welcome applications from students from all over the world and accept a broad range of qualifications for direct entry. Full details on the national curricula accepted can be found online: www.st-andrews.ac.uk/subjects/entry

English language requirements
Unless you have been educated in a country that is on the UKVI’s list of majority English-speaking countries, you will need to provide evidence of your English language proficiency. We accept a number of English language qualifications including IELTS (Academic), CAE, CPE and the Pearson Test of English (Academic). If you enrol on one of our pre-degree courses (such as a pre-sessional or foundation programme), and you require a student visa, the only acceptable evidence of English Language proficiency is an IELTS (Academic) test for UKVI purposes. www.st-andrews.ac.uk/elt/entry/undergraduate

Admissions Policy
www.st-andrews.ac.uk/study/policy

Questions?
Before you apply:
admissions@st-andrews.ac.uk
+44 (0)1334 462150

After you apply:
myapplication@st-andrews.ac.uk
+44 (0)1334 462151

Faculty entry requirements

Faculty of Arts and Faculty of Divinity
Specific subject entry requirements listed on the subject pages are in addition to the following minimum Faculty requirements. Applicants must satisfy one of the following:
1) SQA National 5 (B or above) or equivalent in English AND one SQA National 5 (B or above) from the following: Biology, Computing Science or equivalent, Geography, Mathematics, Physics, Psychology, or Lifeskills Mathematics (A grade).
2) GCSE (B or above) in English Language or English Literature AND one GCSE (B or above) from the following: Biology, Computing Science or equivalent, Geography, Geology, Mathematics, Physics, Psychology.
3) Qualifications or passes in other examinations that the Dean of the Faculty may decide to accept as equivalent.

Faculty of Science
Specific subject entry requirements listed on the subject pages are in addition to the following minimum Faculty requirements. Applicants must satisfy one of the following:
1) SQA National 5 (B or above) or equivalent in English AND two SQA Highers from the following: Biology, Computing Science or equivalent, Geography, Mathematics, Physics, Psychology.
2) GCSE (B or above) in English Language or English Literature AND one GCE A-Level from the following: Biology, Computing Science or equivalent, Geography, Geology, Mathematics, Physics, Psychology.
3) Qualifications or passes in other examinations that the Dean of the Faculty may decide to accept as equivalent.

Faculty of Medicine
Specific subject entry requirements listed on the subject pages are in addition to the following minimum Faculty requirements. Applicants must satisfy one of the following:
1) SQA National 5 (B or above) or equivalent in English AND two SQA Highers from the following: Biology, Computing Science or equivalent, Geography, Mathematics, Physics, Psychology.
2) GCSE (B or above) in English Language or English Literature AND one GCE A-Level from the following: Biology, Computing Science or equivalent, Geography, Geology, Mathematics, Physics, Psychology.
3) Qualifications or passes in other examinations that the Dean of the Faculty may decide to accept as equivalent.
Fees, funding and scholarships

Fees and scholarships vary every year. The most up-to-date information can always be found online.

Tuition fees for 2019 entry will be published in September 2018. www.st-andrews.ac.uk/study/fees-and-funding/undergraduate

Students living in Scotland
If you are a Scottish domiciled, full-time, first degree student you should be eligible for your tuition fees to be paid by the Scottish Government. These fees will be paid through the Student Awards Agency for Scotland (SAAS). Details on how and when to apply are available from: www.saas.gov.uk

Students living in England, Northern Ireland and Wales
You may be eligible to have the full cost of your tuition fees covered by a tuition fee loan, provided you are taking your first degree and are a full-time student.

England: www.gov.uk/student-finance
Northern Ireland: www.studentfinanceni.co.uk
Wales: www.studentfinancewales.co.uk

Students living in the Channel Islands and Isle of Man
The island authorities all offer a range of tuition fees, grants and maintenance grants. Details on how and when to apply are available online:

Isle of Man: www.gov.im/categories/education-training-and-careers/student-grants

Students living elsewhere in the EU
Further details on tuition fee arrangements for EU students will be published on our tuition fee pages as information becomes available.

www.st-andrews.ac.uk/study/fees-and-funding/undergraduate/eu

International students
Students who are classed as ‘overseas’ for tuition fee purposes are usually self-funded, however there may be funding available from your government, independent sponsors, or from other award paying bodies. Tuition fees are fixed at the point of entry for the duration of the programme.

www.st-andrews.ac.uk/study/fees-and-funding/undergraduate/world

Scholarships
Our scholarships and bursaries are designed to help you reach your full academic potential, without having to worry about how you will pay for tuition and living expenses.

We are committed to supporting our students and rewarding academic excellence.

St Andrews offers a variety of scholarships. In previous years these have included a bursary to reduce the cost of accommodation, international scholarships towards tuition fees, and funding for Home and RUK students to help supplement government sources and alleviate the financial burden of basic living costs.

The scholarships available to you may depend on the course you will be studying, where you currently live, your current household income and your academic achievements.

Information about the scholarships available to you, how to apply and other forms of financial support offered by the University or external bodies can be found online:

www.st-andrews.ac.uk/study/fees-and-funding/scholarships

+44 (0)1334 462365
ugscholarships@st-andrews.ac.uk
## Joint degree combinations

### Faculty of Arts combinations

### MA Honours

| Ancient History | Ancient History & Archaeology | Arabic * | Art History | Biblical Studies (Divinity) | Classics | Comparative Literature | Economics * | English | Film Studies | French – also available WIYA | Geography * | German – also available WIYA | Greek (Classics) | Hebrew (Divinity) | International Relations | Italian – also available WIYA | Latin (Classics) | Management * | Mathematics * | Mediaeval History (History) | Middle East Studies | Modern History (History) | New Testament (Divinity) | Persian | Philosophy * | Psychology * | Russian – also available WIYA | Scottish History (History) | Social Anthropology | Spanish – also available WIYA | Statistics (Maths & Statistics) | Sustainable Development * | Theological Studies (Divinity) |
|----------------|-----------------------------|---------|------------|-----------------------------|---------|------------------------|------------|--------|-------------|-----------------------------|-----------|-----------------------------|----------------|-------------------------|------------------------|----------------|----------------|----------------|-----------------------------|----------------|----------------|------------------------|----------|--------------|-------------|--------------------------|------------------------|----------------|-------------------------|-----------------------------|----------------|---------------|-------------|---------------------------|------------------------|----------------|-------------------------|-----------------------------|----------------|-----------------|-------------|--------------------------|
| S              | S                           | J       | J         | J                           | J       | J                      | J          | J      | J / 3       | J / 3                      | J         | J / 3                      | J / 3         | J / 3                   | J / 3                   | J / 3    | J / 3       | J / 3       | J / 3                      | J / 3       | J / 3       | J / 3                   | S         | J              | J            | J / 3                      | J / 3                   | J / 3       | J / 3                   | J / 3                      | J / 3    | J              | J / 3       | J / 3                      |
| J              | J                           | J       | J         | J                           | J       | J                      | J          | J      | J / 3       | J / 3                      | J         | J / 3                      | J / 3         | J / 3                   | J / 3                   | J / 3    | J / 3       | J / 3       | J / 3                      | J / 3       | J / 3       | J / 3                   | S         | J              | J / 3         | J / 3                      | J / 3                   | J / 3       | J / 3                   | J / 3                      | J / 3    | J              | J / 3       | J / 3                      |
| J              | J                           | J       | J         | J                           | J       | J                      | J          | J      | J / 3       | J / 3                      | J         | J / 3                      | J / 3         | J / 3                   | J / 3                   | J / 3    | J / 3       | J / 3       | J / 3                      | J / 3       | J / 3       | J / 3                   | S         | J              | J / 3         | J / 3                      | J / 3                   | J / 3       | J / 3                   | J / 3                      | J / 3    | J              | J / 3       | J / 3                      |
| J              | J                           | J       | J         | J                           | J       | J                      | J          | J      | J / 3       | J / 3                      | J         | J / 3                      | J / 3         | J / 3                   | J / 3                   | J / 3    | J / 3       | J / 3       | J / 3                      | J / 3       | J / 3       | J / 3                   | S         | J              | J / 3         | J / 3                      | J / 3                   | J / 3       | J / 3                   | J / 3                      | J / 3    | J              | J / 3       | J / 3                      |
| J              | J                           | J       | J         | J                           | J       | J                      | J          | J      | J / 3       | J / 3                      | J         | J / 3                      | J / 3         | J / 3                   | J / 3                   | J / 3    | J / 3       | J / 3       | J / 3                      | J / 3       | J / 3       | J / 3                   | S         | J              | J / 3         | J / 3                      | J / 3                   | J / 3       | J / 3                   | J / 3                      | J / 3    | J              | J / 3       | J / 3                      |
| J              | J                           | J       | J         | J                           | J       | J                      | J          | J      | J / 3       | J / 3                      | J         | J / 3                      | J / 3         | J / 3                   | J / 3                   | J / 3    | J / 3       | J / 3       | J / 3                      | J / 3       | J / 3       | J / 3                   | S         | J              | J / 3         | J / 3                      | J / 3                   | J / 3       | J / 3                   | J / 3                      | J / 3    | J              | J / 3       | J / 3                      |
| J              | J                           | J       | J         | J                           | J       | J                      | J          | J      | J / 3       | J / 3                      | J         | J / 3                      | J / 3         | J / 3                   | J / 3                   | J / 3    | J / 3       | J / 3       | J / 3                      | J / 3       | J / 3       | J / 3                   | S         | J              | J / 3         | J / 3                      | J / 3                   | J / 3       | J / 3                   | J / 3                      | J / 3    | J              | J / 3       | J / 3                      |
| J              | J                           | J       | J         | J                           | J       | J                      | J          | J      | J / 3       | J / 3                      | J         | J / 3                      | J / 3         | J / 3                   | J / 3                   | J / 3    | J / 3       | J / 3       | J / 3                      | J / 3       | J / 3       | J / 3                   | S         | J              | J / 3         | J / 3                      | J / 3                   | J / 3       | J / 3                   | J / 3                      | J / 3    | J              | J / 3       | J / 3                      |
| J              | J                           | J       | J         | J                           | J       | J                      | J          | J      | J / 3       | J / 3                      | J         | J / 3                      | J / 3         | J / 3                   | J / 3                   | J / 3    | J / 3       | J / 3       | J / 3                      | J / 3       | J / 3       | J / 3                   | S         | J              | J / 3         | J / 3                      | J / 3                   | J / 3       | J / 3                   | J / 3                      | J / 3    | J              | J / 3       | J / 3                      |
| J              | J                           | J       | J         | J                           | J       | J                      | J          | J      | J / 3       | J / 3                      | J         | J / 3                      | J / 3         | J / 3                   | J / 3                   | J / 3    | J / 3       | J / 3       | J / 3                      | J / 3       | J / 3       | J / 3                   | S         | J              | J / 3         | J / 3                      | J / 3                   | J / 3       | J / 3                   | J / 3                      | J / 3    | J              | J / 3       | J / 3                      |

**WIYA** – Also available With Integrated Year Abroad  
S = Single  
J = Triple  
J = Joint  
W = With  
* = Only available to non-beginners in German  
* = Further combinations are available in the Faculty of Science, see page 174
## Joint degree combinations

### Faculty of Science combinations

<table>
<thead>
<tr>
<th>BSc Honours</th>
<th>Arabic *</th>
<th>Biology</th>
<th>Chemistry</th>
<th>Computer Science</th>
<th>Economics *</th>
<th>French *</th>
<th>Geography *</th>
<th>Management *</th>
<th>Mathematics *</th>
<th>Physics</th>
<th>Psychology</th>
<th>Sustainable Development *</th>
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<tbody>
<tr>
<td></td>
<td>W</td>
<td>S</td>
<td>J</td>
<td>W</td>
<td>J</td>
<td>J</td>
<td>J</td>
<td>J</td>
<td>J/W</td>
<td>J</td>
<td>J</td>
<td></td>
</tr>
</tbody>
</table>

S = Single  
J = Joint  
W = With (for BSc ‘with’ combinations, the science will be the major subject)  
* = Further combinations are available in the Faculty of Arts, see pages 172-173

### Integrated Masters

<table>
<thead>
<tr>
<th>Chemistry (MChem)</th>
<th>Chemistry (MSc)</th>
<th>French (MChem)</th>
<th>Mathematics (MChem)</th>
<th>Mathematics (MSci)</th>
<th>Physics (MSci)</th>
<th>Theoretical Physics (MPhys)</th>
</tr>
</thead>
<tbody>
<tr>
<td>S</td>
<td>W</td>
<td>W</td>
<td>J</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

S = Single  
J = Joint  
W = With

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- **Arts**  
- **Divinity**  
- **Medicine**  
- **Science**  
- **Cross-Faculty**

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- **Earth Sciences**  
- **Medieval History**
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- **Ecology & Conservation**  
- **Medicine**

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**Acknowledgements**


Printed by: J Thomson Colour Printers, Glasgow, on uncoated FSC carbon neutral paper with biodegradable and recyclable Soft Touch Laminated outer cover.

The editorial and design team thank all contributors, including the photographers and the students and alumni who provided profiles and soundbites used throughout this prospectus.

Student profile photographs by: Oli Walker/Tilted Frame Photography.


This Prospectus is available in Large Print, Braille, or Audio, on request to Publications: +44 (0)1334 463020, email: publications@st-andrews.ac.uk

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Experience St Andrews for yourself by coming to one of our visiting days. Find out more about the town, University and your subject(s) of choice. It is also a great opportunity to meet academics, Admissions staff and some of our students.

www.st-andrews.ac.uk/visiting

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