



University of
St Andrews

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2023
Undergraduate
Prospectus

Talk to us online

Join one of our online information sessions to find out more about studying at St Andrews, applying and our community.

www.st-andrews.ac.uk/study/meet-us

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**TOP IN
SCOTLAND
2ND IN
THE UK**

Guardian
University Guide 2022

**TOP UNIVERSITY
IN THE UK
STUDENT
EXPERIENCE**

National Student
Survey 2021

View from West Sands



Welcome, and thank you for considering St Andrews as your university.

The University of St Andrews offers you an outstanding opportunity in higher education, and membership of a university community that will be yours for life. The University stands for quality. We are world-leading, diverse, global, and entrepreneurial, and we put the student experience at the heart of all we do. St Andrews was ranked first in the annual *National Student Survey 2021* for student academic experience, and this is the sixth consecutive year in which we have been placed first. 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.

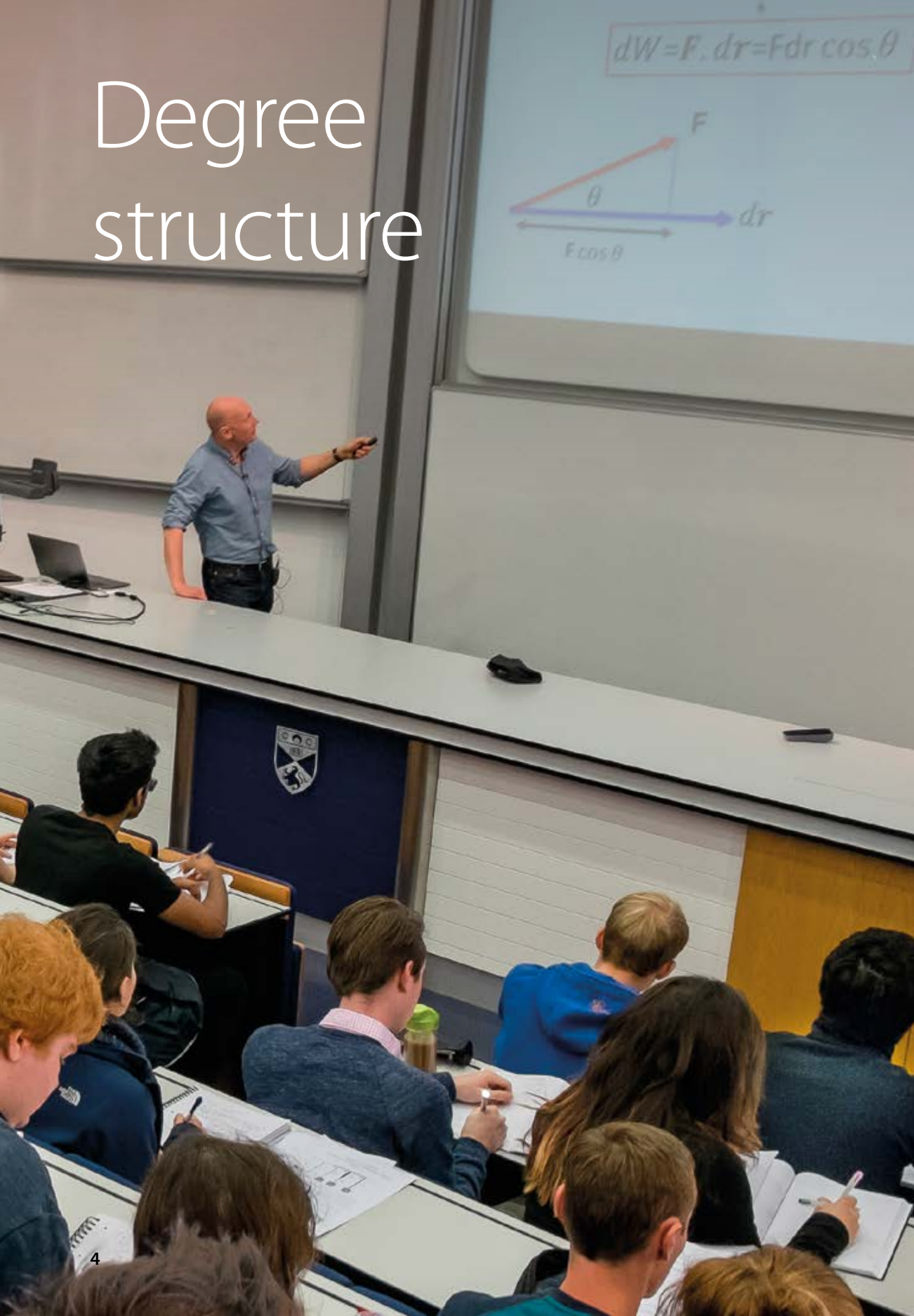
Our approach to learning and teaching is a mix of traditional and new. In every subject we make you familiar with the knowledge and theories that are essential to an understanding of the discipline while giving you a chance to develop practical uses for the knowledge you acquire. From this starting point we expect our students increasingly to design their own studies by selecting options and undertaking research-based activities 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 – locally, nationally, and internationally, and that our activities are underpinned by a deep commitment to social responsibility and sustainability. Similarly, the University is a mix of the dynamically modern and the evocatively medieval. 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. The University's Strategy for 2018-2023 sets out how we will build on our successes: www.st-andrews.ac.uk/about/governance/university-strategy

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 people who will become 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 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 FRSE
Principal and Vice-Chancellor*

Degree structure



Studying at St Andrews is an opportunity to learn at one of the **most extraordinary universities in the world**. Most of our degree programmes are **four years long** and our **flexible degree structure** allows you to **study multiple subjects**.

The four-year structure for most of our degree programmes allows you to study a broad range of subjects before settling on your choice of degree. You will study three subjects in first year and two or three in second year (depending on your subject). Third and fourth years are Honours years where you specialise further in your chosen subject(s).

Degree types

There are several types of degree available:

- **Single Honours degrees** – one subject in the final two years, for example BSc (Hons) Biology.
- **Joint Honours degrees** – two subjects in the final two years, typically 50% in each subject, for example MA (Hons) Economics and English.
- **'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, for example BSc (Hons) Biology with Arabic.
- A number of **Triple Honours** programmes are available within the School of Modern Languages. Further details can be found on page 129.
- **Integrated Masters degrees** are available in most science subjects. These programmes are usually five years in length, with the fifth year involving Masters-level study, for example MSci Computer Science.

Faculties

Although you will be applying for a specific degree programme, your admission to St Andrews will be to one of our four Faculties. These are:

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

www.st-andrews.ac.uk/subjects/study-options/faculties

- ▲ **Cross-Faculty subjects** are offered in both the Faculty of Arts and Faculty of Science. The content is the same within the subject, regardless of Faculty. Most Cross-Faculty subjects offer BSc and MA degree programmes. Please see page 7 where the Cross-Faculty subjects are identified by blue triangles. If you are unsure which degree you should apply for, please contact Admissions.
- **Medicine students** study here for three years (ScotGEM for four years) and follow a set programme. For further details, see page 120.

Choosing your subjects

Our degree structure is designed to give you as much **flexibility** in your **choice of subjects** as possible. In your first and second years you will **study a number of subjects**, so that you can explore multiple topics before finalising your degree programme.

First and second years (sub-honours)

For a four- or five-year degree programme your first two years are called sub-honours. In first year, most students (except those studying Medicine) will study three subjects. These are made up from the subject(s) you were admitted to study plus one or two more, depending on whether you applied for a Single or Joint Honours programme.

In second year, those in the Faculties of Arts or Divinity will study three subjects; most students in the Faculty of Science will study two.

You will choose your additional subject(s) (listed opposite) shortly before arriving at St Andrews and confirm these choices when you meet with your Adviser of Studies once you are here.

If your plans and passions change or you decide that you do not want to continue to study one of your subjects, it is often possible to change this subject for a new one after the first year. Your Adviser of Studies will discuss the choices and implications with you.

In first and second year, you will usually be taught through lectures given by specialists in that subject. Depending on the subjects you choose, you will also be taught through small-group tutorials, laboratory work and fieldwork. All students are also expected to carry out further reading and research through independent study.

Third and fourth years (Honours)

At the end of second year you will make the final choice of which Honours programme you will study. The options available to you will be based on the subjects you have studied throughout first and second year; these may be different to the programme you were originally admitted to.

In the final two years you will often be able to specialise and gain an in-depth knowledge of your chosen subject(s).

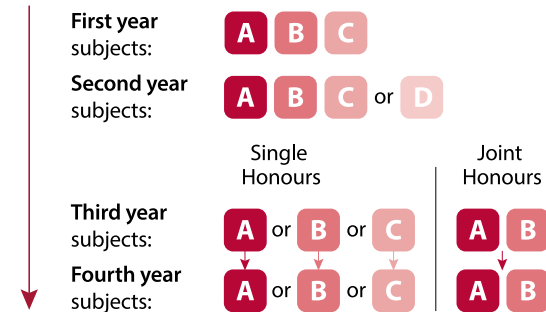
During Honours your class sizes will be considerably smaller than in the early part of your degree. You will still be taught through a variety of methods, but there will be much more emphasis on independent study. In your final year, you will also have the opportunity to undertake a dissertation or project.

Fifth year (Integrated Masters programmes)

Many of our science subjects offer the opportunity to integrate a Masters-level programme into your degree programme. If you apply for an Integrated Masters your degree will last five years. Your fifth year will be a continuation of your Honours years, studying your subject and interests in greater depth.

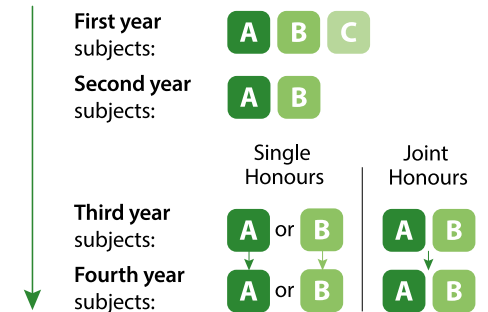
www.st-andrews.ac.uk/subjects/study-options/ug/flexible

MA (Master of Arts) Honours



- Ancient History
- Ancient History & Archaeology
- Animal Behaviour
- ▲ Applied Mathematics
- Arabic
- Art History
- Astrophysics
- Bible and Culture
- Biblical Studies
- Biochemistry
- Biology
- Cell Biology
- Chemical Sciences
- Chemistry
- Chinese Studies
- Classical Studies
- Classics
- Comparative Literature
- Computer Science
- Divinity
- Earth Sciences
- Ecology & Conservation
- ▲ Economics
- English
- Environmental Earth Sciences
- Evolutionary Biology
- Film Studies
- ▲ Financial Economics
- French
- ▲ Geography
- Geology
- German
- Greek
- Hebrew
- History
- International Relations
- Italian
- Latin
- ▲ Management
- Marine Biology
- Materials Chemistry
- ▲ Mathematics
- Medicine
- Medieval History

BSc (Bachelor of Science) Honours



- Medieval History & Archaeology
- Middle East Studies
- Modern History
- Molecular Biology
- Neuroscience
- New Testament
- Persian
- ▲ Philosophy
- Physics
- ▲ Psychology
- ▲ Pure Mathematics
- Russian
- Scottish History
- Social Anthropology
- Spanish
- ▲ Statistics
- ▲ Sustainable Development
- Theological Studies
- Theology
- Theoretical Physics
- Zoology

■ Arts ■ Divinity ■ Medicine ■ Science ▲ Cross-Faculty



St Salvator's Quadrangle

Life in St Andrews



“Student life is a key part of your university experience here; it is a time to explore and have fun alongside your studies. There are hundreds of activities to engage with, so try something new and find your niche!”

Avery Kitchens, Director of Student Development and Activities, Students' Association

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 **are exploring entirely new interests**, there is never a dull moment 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 **180 different groups and societies**, Saints Sport has more than **50 different sports clubs**, and the University year is packed full of **events and traditions**.

The Students' Association

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

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 and Equality
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.

There are 15 subcommittees (or 'super societies') and all St Andrews students are automatically members. Whether you want to take part in a charity hitch-hike across Europe with the Charities Campaign, host your own radio show on STAR (St Andrews Radio), produce a play, musical, or comedy show with the help of the Mermaids Performing Arts Fund, develop your public speaking skills with the Union Debating Society, or volunteer on various community projects with the St Andrews Voluntary Service (SVS); there is always lots for you to do outside of the classroom! www.yourunion.net/activities/subcommittees

Societies

The societies at the Students' Association can be a big part of your time at St Andrews – covering almost every hobby, activity, or interest you may have. There are societies linked to academic subjects that allow you to develop skills, others that celebrate the huge range of cultures and countries our students come from, and some that focus on a particular cause, charity or organisation. There are also others that are just for fun – like the societies for knitting, dog walking, bubble tea, or Quidditch and Harry Potter. You can find a list of all the current societies at: www.yourunion.net/activities/societies

If you are not sure which societies you want to be a part of, the Freshers' Fayre at the start of each semester is where you can meet all the societies and any fellow students who share your interests. It is also really easy to start your own society.

Volunteering

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

Volunteering takes many forms and can be anything from community relations work and hosting debating workshops, to being a member of a committee. You can join through a number of groups at the Freshers' Fayre, or by running for a position in the Students' Association elections in March.

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 also recognised by the University and is eligible to go on your Higher Education Achievement Report (HEAR) when you graduate.



The Student Charities Campaign mascot Rory McLion



STAR – the University radio station



Raisin Monday



JazzWorks music in Rector's Café

Wellbeing

The University and the Students' Association are committed to placing an emphasis on wellbeing. Throughout the year, the Students' Association works hard to make itself a welcoming and fun place to be. St Andrews is proud of the peer support mentoring scheme and the 'Got Consent' workshops that the University and Students' Association run in partnership.

The Director of Wellbeing sabbatical officer and Wellbeing student committee organise student events, workshops and campaigns related to safety, mental health, fitness, and sexual health. They ensure that the wellbeing concerns of students are heard and dealt with by the University.

www.yourunion.net/wellbeing

Evening language classes

If you want to learn a new language or develop existing language skills, but cannot fit it into your main timetable, there is the option to do extracurricular evening language classes, 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

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, the town hall or a coffee shop, giving St Andrews a great community atmosphere.

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



"The students of St Andrews, their impressive ability to stand up for what they believe in, and their passion for equality were just some of the reasons I was inspired to join this university community. The pandemic years have demonstrated the necessity of justice and compassion, and for working to make our communities truly inclusive. Joining the St Andrews student community, with its collective passion for learning, is an excellent place to get started."

Dr Leyla Hussein OBE, University Rector

Traditions

As you might expect from a university that is **over 600 years old**, we have a large number of **traditions** 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 within your hall, 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 usually happens part way through the first semester. During Raisin Sunday your 'academic parents' will host parties and then on Raisin Monday 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 get involved as much or as little as you want.

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.

The PH

The initials PH are embedded in the pavement outside St Salvator's Quadrangle on North Street. They are 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, as 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.

Red gowns

On various occasions throughout the year you will see a lot of people in red gowns. These eye-catching gowns were introduced during the late 17th 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.



May Dip



Patrick Hamilton initials – PH



Raisin Monday – foam fight



Red gowns

Sport

Whether you **compete** at national or international level, play **socially** or **want to stay fit while studying**, there are more than **50 sports clubs** available for you.

From reaching the pinnacle of your sporting career, to 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 our students are involved with sport in some way. Following significant investment in recent years, you will benefit from some of the best sports facilities in Scotland.

The facilities at University Park include a 120-station gym, a dedicated Strength and Conditioning suite for performance athletes, a technical climbing wall, all-weather pitches, top quality grass pitches, a four-court indoor tennis centre, and an eight-court indoor sports arena.

Sports clubs

There are over 50 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 travel further afield, including experiencing the beauty of the Scottish Highlands.

Performance sport

The University recognises a number of teams as part of the Performance Programme, each benefiting from increased support and a dedicated sport-specific Director or Performance Coach. This support includes sport science interventions such as Strength and Conditioning and performance analysis, increased funding and greater access to training facilities.

High performance athletes

The University encourages individual sporting excellence by supporting talented athletes who are

studying at St Andrews and competing at an elite level through the Scott Lang High Performance Athletic Awards. Students competing on the University's performance golf programme may also apply for a 600 Club Performance Golf scholarship, the prestigious Arnold Palmer scholarship or an R&A Bursary.

Recreational sport

Rather than the regular commitment required for training and competing, our recreational programme offers frequent, informal drop-in sessions where the emphasis is on having fun and participation. Sessions are open to all students and provide a great way to stay active, meet new people and make friends.

Health and fitness

Saints Fitness offers a full range of services to all 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, HIIT, Spin, and many more, our instructors are here to help you get the most out of your workout and improve your overall fitness.

Leadership, coaching and volunteering

There are many ways to get involved with coaching, officiating and volunteering during your time at St Andrews. We support students to develop skills, knowledge and confidence in sporting roles, and offer grants to subsidise the training and development of our coaches and officials.

Our international volunteering projects offer students a unique opportunity to make a real difference whilst adding value to their university education, enhancing their global awareness and developing their leadership and coaching skills.

www.st-andrews.ac.uk/sport



Volleyball match



Jujutsu Society



Cross-country run on the West Sands



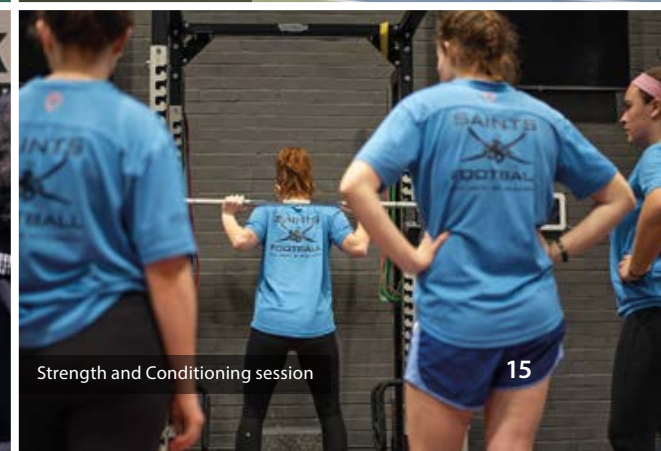
Rugby match



The indoor tennis centre



Student volunteers in Zambia



Strength and Conditioning session

Music

Music at St Andrews is **open to all**, whether you want to take **lessons**, **play in groups**, **practise** or just **come and listen**.

There are opportunities for musicians across different genres, from orchestras and our Chapel Choir, through to a cappella and musical theatre.

Academic modules

The Music Centre offers a range of modules that can be taken as part of your degree. If you already sing or play an instrument to a high level, the modules offer increasingly specialised studies in performance, culminating in a public recital. We also offer modules that assume no previous study, developing your understanding of musical theory and history, or introduce you to topics such as electronic music, Scottish music or music from cultures around the world.

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

Lessons

Regardless of what degree you are studying, the Music Centre offers you weekly lessons in singing or on almost any instrument. Lessons can be arranged at all levels, with highly experienced teachers who combine teaching with active 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 societies. There are numerous musical opportunities for students, which in previous years have included singing with St Salvator's Chapel Choir on tours across the world, working with professional soloists in orchestral concerts, appearing in fully staged operas, singing or playing in a band. Whatever your musical interests, there is something for you at St Andrews.

Facilities

The University has recently opened the Laidlaw Music Centre, a world-class facility that includes the acoustically superb and highly flexible McPherson Recital Room, practice rooms with pianos accessible throughout the day, 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 medieval 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 contemporary, vocal, and wind and brass music, as well as lunchtime and evening professional concerts.

www.st-andrews.ac.uk/music

Music societies

If you are more interested in musical theatre, a cappella or jazz, there are societies at the Students' Association that might be of interest. The Students' Association also offers opportunities to both perform and enjoy music through a variety of events from small performances to open mic nights and larger gigs. More information is available on the Students' Association website.

www.yourunion.net



Laidlaw Music Centre



The Other Guys at the Edinburgh Fringe



Big BUSTA (student-run big band) in Younger Hall



A live-streamed concert during the St Andrews Voices festival

Accommodation

The University has **over 3,400** beds across **ten 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



University Hall and Whitehorn Hall

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 shower rooms, 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 are in one of our historical buildings or one of our contemporary residences you will have a Wardennial Team (University staff and postgraduates) on hand for advice and support and a committee to organise events.

The Wardennial Team take responsibility for encouraging a sense of community and will also be the first point of contact if a health crisis occurs or if you have a personal problem. Their roles 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.

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 follow a specific diet, please contact us to discuss the option that will best suit your needs. The University also gives all possible assistance to those with disabilities or limiting long-term illnesses – please provide full information on your application about anything that is likely to impact on your accommodation needs.



Example of a shared twin study bedroom



Kitchen in David Russell Apartments



Example of an individual study bedroom



Example of an individual study bedroom



Agnes Blackadder Hall

Catered accommodation

- A range of catering packages with 14 or 19 meals a week.
- A wide range of menu items, including vegetarian and vegan options.
- 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.
- Packed lunches and dinners, if you are away at mealtimes.
- 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 when you do not want to cook.

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 storage for clothes and books. Laundry facilities are available using prepaid cards.

Hall fees also include wifi access throughout the halls, personal effects insurance cover, Hall Committee subscriptions and bike storage.

How and when to apply

Once you receive – and accept – your offer, you can apply for accommodation. You can apply for accommodation from 1 April in 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



McIntosh Hall Common Room

Support and wellbeing

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

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:

- support for students with a disability or long-term health condition.
- student life and wellbeing advice.
- counselling and mental health support.
- immigration advice.
- advice on money and finances.
- advice on academic issues.
- pastoral care for students in University residences.

The ASC

The Advice and Support Centre (ASC) is the first port of call for any student queries. Staff at the ASC are happy to answer any question, provide student status letters and transcripts, as well as booking appointments with one of Student Services' specialist advisers for further support and advice.

Health

There are two primary care medical practices in St Andrews with many years of experience working with the student community. In addition, the Student Health Hub, staffed by University employees, is located with the medical practices and helps students access health advice quickly.

Disabilities

The University has students with a wide range of disabilities and learning difficulties. The University's Disability Team includes advisers on disability and specific learning difficulties. 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 in their application.

Wellbeing, counselling and mental health

There may be times when you want professional support to resolve difficulties you encounter.

The Student Services' wellbeing, counselling and mental health service helps you access the assistance you need to have a well-balanced life. The service has obtained accreditation from the Royal College of Psychiatrists.

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

The University Chaplaincy provides friendly, non-judgmental support and pastoral care to all students. The team led by the Chaplain, includes the Assistant Chaplain and a range of Honorary Chaplains from different faiths and philosophies of life. The Chaplaincy offers worship, and supports activities often specifically faith-focused, for international students, various student-led faith societies, and the wider university and town communities.

www.st-andrews.ac.uk/chaplaincy

Wardennial services

Each hall of residence has a live-in Wardennial Team, consisting of a Warden and a team of Assistant Wardens. The team is responsible for building a strong and supportive community and hall identity and works with residents and the Hall Committee to organise events and activities. The Warden and Assistant Wardens are on call to provide advice and support at night and on weekends, as well as providing information on daytime support services. All students, whether in halls or private accommodation, can access emergency support from the Student Services' Response Team who work nights and weekends all year.

Contact

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

www.st-andrews.ac.uk/student-services

theasc@st-andrews.ac.uk

+44 (0)1334 462020



Study facilities

You will spend considerable time at university conducting **your own research and reading**. Our **study facilities** give you the **space and resources** to do this. In addition to the **libraries**, there are many **dedicated spaces** across halls of residence and academic buildings where you can find a **study environment that suits you**.

Libraries and study spaces

As well as places to study, libraries provide access to a wide range of information with staff on hand to support you in your work. Library spaces and resources are available in the town centre and on the North Haugh, where most science Schools and the School of Medicine are located. Everyone studies in different ways, which is why you can choose from a number of study environments, including cafés, silent areas, group study rooms and some more informal areas.

Through the University libraries, you can access over one million print volumes and a vast array of digital resources, including online journals and approximately 650,000 ebooks. Many of the items on your module reading lists are available digitally and can be accessed from across the University and beyond. You are also entitled to borrow from the nearby libraries of the universities of Dundee and Abertay.

The Main Library:

- is located in the centre of town.
- holds collections across all subjects.
- provides access to over 1,000 study spaces in a range of styles to suit how you study.
- is open 18 hours a day during the semester.
- provides expert support from members of our specialist Academic Liaison Librarian Team.
- provides help and training on finding information.
- has plenty of computers for you to use.

In the centre of St Andrews there is also St Mary's College Library (including the historic King James Library). Located in St Mary's Quadrangle, it is the oldest library reading room in Scotland, with collections for Divinity and Medieval History.

North Haugh options:

- The J F Allen Library (Physics & Astronomy building) holds books and journals for science subjects.
- The Dr Ettie Stewart Steele Reading Room (Purdie building) holds a selection of Chemistry books for reference.
- The Library at the Gateway (this building also includes the School of Management) provides 96 study spaces and a range of seating options.

Whether you want to be inspired by our beautiful historic spaces at the King James Library, be at the heart of the University in our Main Library or close to class on the North Haugh at the J F Allen Library or the Gateway, our dedicated study spaces, resources and staff are here to support your studies and research.

www.st-andrews.ac.uk/library

Twitter: @StAndrewsUniLib

Facebook: @StAndrewsUniversityLibrary

Instagram: @StAndrewsUniLib



Your future

92% of our graduates are in work or further study **within 15 months** of graduation

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**, advice and support on **careers and internships**, and a **lifelong connection** with the University through our alumni network.

Employability

As well as a challenging academic culture, studying at St Andrews will give you a range of opportunities to enhance the skills you need to be successful in your chosen field when you graduate. 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 supported by CEED (the Centre for Educational Enhancement and Development) and accessed through the Careers Centre, which offers many workshops and resources to develop the skills and attributes that are valued by graduate employers. Topics such as organisational skills, confidence and adaptability, networking, team-working and leadership, aligned to the University's graduate attribute framework, 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.

CEED also offers a number of other support and development opportunities for our students, including academic and IT skills.

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 on a variety of topics.
- We host careers fairs and provide other opportunities to meet top graduate employers.
- There are extensive digital career information resources on internships, graduate job roles, specific sectors and industries, job vacancies, and postgraduate study information both in the UK and abroad.
- Unique opportunities are available for St Andrews students through our own internships and work shadowing programmes, both in St Andrews and around the world.
- You will have access to our alumni, offering support and help in your career as well as networking events worldwide.
- International Opportunity Managers work with employers and alumni overseas to secure access to internships and graduate jobs, as well as keeping up to date with the latest trends in graduate recruitment.
- We provide advice for those looking to go on to further study.

www.st-andrews.ac.uk/careers

Study abroad

Whether it is Biology in Australia, Psychology in Canada or International Relations in Hong Kong – **Study Abroad programmes** play an **important role** in the University's commitment to a learning **culture** that is **challenging, imaginative and flexible**.

We are partnered with large and small institutions across the globe, allowing our students to apply 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 and 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.
- 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 2022-2023 the University has 67 subject-specific Study Abroad programmes in 29 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. 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 2022-2023, there are 18 partner universities in Australia, Czech Republic, New Zealand, Hong Kong, Singapore, Canada and the USA.

European exchanges

We have a wide range of student exchange partners across Europe, including in France, Spain, Italy, Germany, the Netherlands, Denmark and the Czech Republic. These opportunities offer students the chance to study abroad for a semester or a full year through exchanges specifically tailored to their academic disciplines. We value our European and international partnerships and the opportunities they provide for student and staff mobility, as well as the exchange of knowledge, ideas and perspectives.

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



Deanna (University of Hong Kong)



Ben (Bocconi University, Milan)



Lucy (Western University, Canada)



Vida (James Cook University, Australia)



"I chose my degree because I was interested in developing my analytical and linguistic skills whilst learning about Spanish culture and history. I was also drawn to the prospect of working abroad in my third year, which gave me a taste of a professional working environment and simultaneously allowed me to experience life in a different society."

Tom (Valle del Azahar high school, Málaga, Spain)

BA (International Honours)

The Bachelor of Arts (International Honours) is a **collaboration** between **two internationally renowned universities**, offering you the opportunity to study at both the **University of St Andrews** and **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 each institution and graduate with a jointly awarded BA (International Honours) degree. This programme has a different fee structure and the latest fee information is available online.

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) and **International Relations**. Those studying International Relations will be required to take 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. 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 year 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 modules satisfying the various objectives that underlie the William & Mary General Education Requirements, including six under knowledge, nine under skills and three under values.

The BA (International Honours) programme combines the best aspects of two academic traditions, offering you a range of opportunities both in your subject and in developing your skills for the future. 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.

Graduates from this programme have gone on to a diverse range of opportunities, which include AmeriCorps, US Department of State and further study at Georgetown University.

Entry requirements

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

Standard	Minimum
SQA Highers: AAAAB	SQA Highers: AAB
GCE A-Levels: AAA	GCE A-Levels: ABB
IB: 38 (HL 6,6,6)	IB: 36 (HL 6,5,5)

Applicants for English and History will require previous knowledge of their subject.

- **English** – Standard and Minimum: A at Higher or A-Level, IB HL6.
- **History** – Standard: A at Higher or A-Level, IB HL6; Minimum: B at Higher or A-Level, IB HL5.

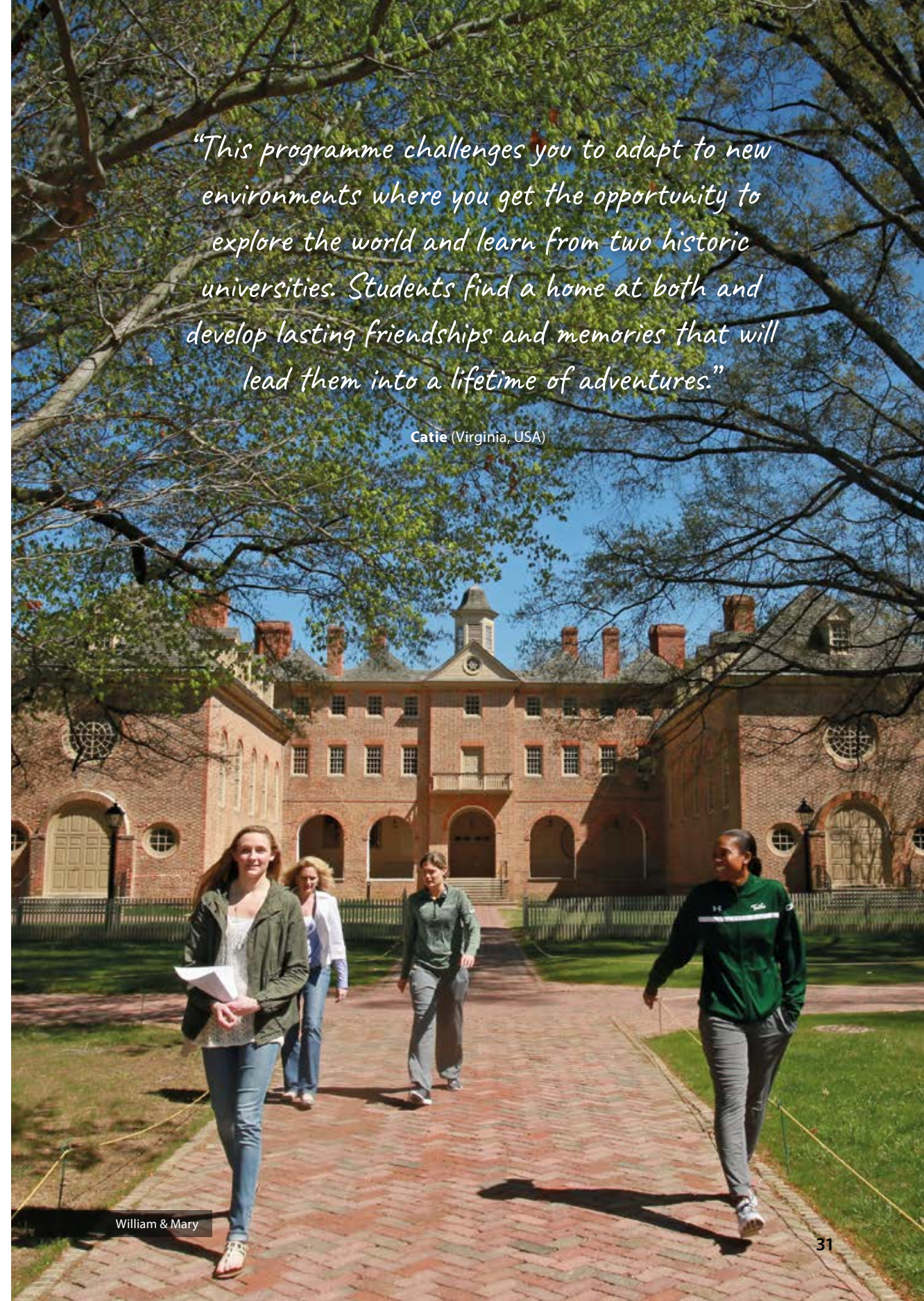
UK-based applicants should check whether they are required to meet the Standard or Minimum entry requirements on the online indicator.

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

All students based outside of the UK will require the Standard entry requirements or equivalent qualifications. www.st-andrews.ac.uk/subjects/study-options/international-honours

"This programme challenges you to adapt to new environments where you get the opportunity to explore the world and learn from two historic universities. Students find a home at both and develop lasting friendships and memories that will lead them into a lifetime of adventures."

Catie (Virginia, USA)



William & Mary

International students

You can **meet our staff** all over the world or online. **We visit** schools, attend fairs and run events throughout the year. Find **upcoming events and contacts** 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 162-167 and online.

www.st-andrews.ac.uk/study/apply/ug

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 into University of St Andrews undergraduate degrees. These programmes enable you to develop the subject knowledge as well as the academic language and skills needed to succeed at undergraduate level. Additionally, they provide orientation for life in the UK, helping you to settle in and feel more confident in your new home.

The programmes we deliver offer progression onto undergraduate degrees at St Andrews, if requirements are met. Our programmes are also recognised by other top-ranking British universities.

Programmes start in September or January. Further information about these programmes and how to apply can be found online.

www.st-andrews.ac.uk/subjects/study-options/foundation

Pre-sessional courses

These courses prepare 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 these pre-sessional courses as a condition of your offer.

www.st-andrews.ac.uk/international-education/short-courses/pre-sessional

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

Academic English Service

We offer an Academic English 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/international-education/aes



Pier Walk

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



"I had no real idea what I wanted to study, and so St Andrews was the perfect place for me. Here I have been lucky to try out Medieval History, Italian and Mathematics alongside Arabic and Art History."

Henri (Somerset, England)

St Andrews has a centuries-long tradition of teaching in the arts, and today we continue to teach arts, humanities and social science 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 world, not only will you experience an outstanding education but also different perspectives from classmates with diverse backgrounds.

Supported pathways

The Gateway to Arts and FE-HE Pathway to Arts provide alternative entry routes to programmes in the Faculty of Arts. These are tailored programmes which allow eligible applicants from Scotland to explore subjects across the Faculty whilst receiving additional support before progressing to a named degree programme.
www.st-andrews.ac.uk/subjects/study-options/pathways

In the Faculty of Arts, modules are available in the following:

Ancient History, Arabic, Art History, Chinese Studies, Classical Studies, Comparative Literature, Divinity, Economics, English, Film Studies, French, Geography, German, Greek, Hebrew, International Relations, Italian, Latin, Management, Mathematics, Medieval History, Modern History, Music, Persian, Philosophy, Psychology, Russian, Scottish History, Social Anthropology, Spanish, Statistics, Sustainable Development.

Certain modules have pre-requisites.

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

Faculty of Divinity

"The Faculty of Divinity is a centre of excellence in research and teaching. Theology is consistently ranked first in the UK by students in the National Student Survey, and in the top 20 departments in the QS World University Rankings."

Professor Paul Hibbert, Dean of Arts & Divinity

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



"I really love the range and depth of the modules available in Divinity and the opportunity to wrestle with and discuss some of the most important questions that humanity has ever asked."

Rachel (County Down, Northern Ireland)

A close-knit community with centuries of teaching and tradition, the Faculty of Divinity offers you the opportunity to explore biblical and theological studies as, or as part of, your degree programme.

First and second year modules in Divinity:

Old Testament (with optional Hebrew), New Testament (with optional Greek), Theology (Systematic Theology and Philosophy of Religion), Church History – Practical Theology (social and pastoral theology and ethics). Combinations depend on your degree choice.

Supported pathways

The Gateway to Arts and FE-HE Pathway to Arts provide alternative entry routes to programmes in the Faculty of Divinity. These are tailored programmes which allow eligible applicants from Scotland to explore subjects across the Faculty whilst receiving additional support before progressing to a named degree programme.

www.st-andrews.ac.uk/subjects/study-options/pathways

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
MB ChB (Bachelor of Medicine, Bachelor of Surgery) Graduate Entry – four years



"There are many opportunities to apply my knowledge and skills, whether in the dissection room, clinical skills suite or speaking with patients. The staff provide excellent feedback and are always willing to help."

Robbie (Dundee, Scotland)

Medicine at St Andrews offers a three-year BSc (Honours) programme, after which you will progress to one of our partner medical schools at the universities of Aberdeen, Dundee, Edinburgh, Glasgow, Manchester, or Barts and The London School of Medicine and Dentistry to complete your Primary Medical Qualification and graduate as a doctor.

Our programme does not follow the same model as the rest of the University, rather it has a set structure in which all courses are compulsory and unique to the Faculty of Medicine. You will enter at the equivalent of second year, in order for your degree to be completed in three years.

Gateway to Medicine

The Gateway to Medicine programme is taught through the Faculty of Science. The purpose of the programme is to promote the uptake of higher education, specifically the study of Medicine, for those resident in Scotland that are traditionally under-represented at university. Further information is on page 122 and online: www.st-andrews.ac.uk/subjects/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 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 Ineke De Moortel
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
MSci (Master in Science) Honours – five years



"St Andrews' flexible degree structure has allowed me to explore social sciences like Economics while also studying Biology. Not only have I learned about molecular life but also how the economy works."

Radhe (Bangalore, India)

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.

Supported pathways

The Gateway to Science, Gateway to Physics and Astronomy and FE-HE Pathway to Science provide alternative entry routes to programmes in the Faculty of Science. These are tailored programmes which allow eligible applicants from Scotland to explore subjects across the Faculty whilst receiving additional support before progressing to a named degree programme.
www.st-andrews.ac.uk/subjects/study-options/pathways

In the Faculty of Science, modules are available in the following:

Astronomy, Astrophysics, Biology, Chemistry, Computer Science, Earth & Environmental Sciences, Economics, Geography, Geology, Management, Mathematics, Neuroscience, Philosophy, Physics, Psychology, Statistics, Sustainable Development.

Certain modules have pre-requisites.

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

Ancient History (& Archaeology)

🔗 www.st-andrews.ac.uk/subjects/ancient-history
classics@st-andrews.ac.uk

See also **School of Classics; Classical Studies; Classics, Greek and Latin; History**



Archaeology class

Available degree options

Previous knowledge of subject required? No

MA	MA	MA	BA
Single Honours	Joint Honours	Triple Honours	International Honours
Ancient History Ancient History & Archaeology	Ancient History & Archaeology and Social Anthropology Ancient History and one of 17 other subjects	Ancient History and two modern languages	Classical Studies – Ancient History and Archaeology pathway
	See Arts combinations, pages 172-173	See Triple combinations, pages 132-133	See entry requirements and other information, page 30

Ancient History is a diverse subject which encourages us to reflect on many current debates. You will utilise a range of sources to study the political, social and cultural history of the ancient Mediterranean world.

- Wide range of specialist topics covering all periods of ancient history, from the second millennium BCE to late antiquity.
- Specialist archaeology modules and skills training in second, 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 modules.
- For Study Abroad information, see page 59.

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, cities and urban living. An Ancient History degree will take you on a fascinating journey to the heart of the complex and varied societies of the ancient Mediterranean, which are both deeply familiar and profoundly strange.

Ancient History & Archaeology

Taught alongside Ancient History in the first two years, this degree programme branches out in the third and fourth years with training in key archaeological skills and a range of specialist modules on the material culture of the ancient Mediterranean.

Both programmes:

First year

You will study the emergence of city-states in Greece in the eighth century BCE through to the rise of the first Roman

emperor, Augustus, in the first century. Subjects studied may also include women and gender in antiquity, slavery, wealth and poverty, and religion. You will also develop core skills in the analysis of a wide range of material, 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 and interacted with each other and their environment.

Third and fourth years (Honours)

Recent topics in ancient history have included Persia and the Greeks, ancient religion, Roman slavery and empires in antiquity.

Recent topics in archaeology have included the city of Rome, Minoan Crete, the Etruscans and Classical bodies.

Entry requirements

These grades are the overall standards required to consider you for entry. You can find out more about Standard, Minimum and Gateway entry requirements on page 167.

🔗 www.st-andrews.ac.uk/subjects/entry

SQA Highers:

- Standard entry grades AAAB
- Minimum entry grades AABB
- Gateway entry grades BBBB

GCE A-Levels:

- Standard entry grades AAA
- Minimum entry grades ABB

International Baccalaureate:

- Standard entry grades 36 (HL 6,6,5)
- Minimum entry grades 36 (HL 6,5,5)

"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)

Arabic

www.st-andrews.ac.uk/subjects/arabic
arabhod@st-andrews.ac.uk

See also **Middle East Studies, Modern Languages**



The door (bab) to the oldest university in the world, al-Qarawiyyin University in Fes

Available degree options

All the degrees are available With Integrated Year Abroad

Previous knowledge of subject required? **No**

MA

Joint Honours

Arabic and one of **27** other subjects

See Arts combinations, pages 172-173

MA

Triple Honours

Arabic and two other modern languages
See Triple combinations, pages 132-133

Arabic and one other modern language
and another subject
See Arts combinations, pages 172-173

BSc

'With' Honours

Biology with Arabic

Arabic is the official language of 22 countries in the Middle East and North Africa. By studying Arabic at St Andrews you will gain a high level of competence in the everyday formal language as well as the language of the Arabic media and classical and modern 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 is internationally recognised.
- You will gain a knowledge of both classical and contemporary Arab culture.
- Middle Eastern and African Studies at St Andrews is ranked first in the UK in *The Times* and *The Sunday Times Good University Guide 2022*.

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 Arabic 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 Medieval History, Mathematics.

First year

The Arabic modules 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

Modules taught in second year 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. There are also two optional modules, providing an introduction to classical Arab culture and an introduction to Middle Eastern history, which are relevant to any student of Arabic.

Third and fourth years (Honours)

In addition to core language modules, 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 or work abroad

You can apply to study or work for a semester or more in an Arab country. Arabic students may also participate in the University-wide St Andrews Abroad programme. Further information on page 129 and online at: www.st-andrews.ac.uk/study-abroad

Entry requirements

These grades are the overall standards required to consider you for entry. You can find out more about Standard, Minimum and Gateway entry requirements on page 167.

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

SQA Highers:

- Standard entry grades AAAB
- Minimum entry grades AABB
- Gateway entry grades BBBB

GCE A-Levels:

- Standard entry grades AAB
- Minimum entry grades ABB

International Baccalaureate:

- Standard entry grades 36 (HL 6,6,5)
- Minimum entry grades 36 (HL 6,5,5)

"I can't imagine a more welcoming and beautiful place. It can be scary to think about living thousands of miles from home, but there is a community here for you, no matter who you are. What I enjoy most is the passion that all of the staff have for their subject. They want us to be excited about learning and they're very supportive and patient."

Sophie (North Carolina, USA)
Pictured opposite while on study abroad in Morocco

Art History

www.st-andrews.ac.uk/subjects/art-history
 artist@st-andrews.ac.uk



Researching the Argyll Collection of modern African art acquired by Naomi Mitchison

Available degree options

Previous knowledge of subject required? No

MA

Single Honours

Art History

MA

Joint Honours

Art History and one of 25 other subjects

See Arts combinations, pages 172-173

MA

'With' Honours

Art History with Bible and Culture

You will study art from the medieval period to the present day, exploring a range of media including painting, sculpture, architecture, applied art, photography and performance art. You will learn to assess artworks critically in relation to their historical, social and political contexts.

- Art History at St Andrews is ranked first in the UK in the *Guardian University Guide 2022*, first in Scotland and third in the UK in the *Complete University Guide 2022*, third in the UK in *The Times and The Sunday Times Good University Guide 2022*, and second for student satisfaction in the *National Student Survey 2021*.
- We are one of the largest Art History departments in the UK and have a wide range of expertise.
- Most teaching is directly informed by the research activities of our staff, so it is continuously updated and always offered by specialists.
- Our School is friendly and collegial with a strong sense of community.

What will I study?

Art History provides 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 painting, sculpture and architecture but also encompass applied art, graphic arts and photography as well as contemporary media like installation and performance. 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 modules. The first comprises medieval and Renaissance visual art and architecture in Europe and beyond. It has a particular focus on the social, political and

religious conditions under which art was produced and examines points of contact with the wider world. The second module analyses art and architecture in the 17th and 18th centuries, primarily (but not only) in Europe, addressing technological advances, widening audiences, and processes of colonisation.

Second year

You will take two modules. The first explores the intersection of visual culture with conceptions of modernity, empire and revolutionary resistance in the long 19th century, predominantly but not exclusively in Europe, paying particular attention to the constructs of gender, race and class. The second module expands on the relationship between art and political struggle in the 20th and 21st centuries, examining how practitioners around the globe have contributed to socio-cultural change.

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.

Entry requirements

These grades are the overall standards required to consider you for entry. You can find out more about Standard, Minimum and Gateway entry requirements on page 167.

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

SQA Highers:

- Standard entry grades AAAB
- Minimum entry grades AAB
- Gateway entry grades BBBB

GCE A-Levels:

- Standard entry grades AAA
- Minimum entry grades ABB

International Baccalaureate:

- Standard entry grades 36 (HL 6,6,5)
- Minimum entry grades 36 (HL 6,5,5)

"I love how versatile the degree is and how engaging the lectures are. I really value the emphasis on independent research and the range of subjects to study. I like the open-minded attitude and the small class sizes – you really receive individualised attention. St Andrews strikes the perfect balance between academic rigour and university life. The friendships you cultivate and the calibre of the education you receive are outstanding."

Lara (California, USA)

Art History

🔗 www.st-andrews.ac.uk/subjects/art-history
arthist@st-andrews.ac.uk

In third year, all Single Honours students take a core module in the first semester (optional for Joint Honours students). This is designed to further your understanding of major art-historical issues.

The following topics (among others) are currently taught, although applicants are advised that this list changes in line with staff availability: art and architecture of the medieval period, Renaissance painting, sculpture and architecture, 19th-century art, history of photography, Orientalism and art, Russian and East Central European art, African art, art of the Islamic world, 20th-century modernism, contemporary art.

Study abroad

Art History students may apply to 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, 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, 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 Museum and Heritage 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 degree programme is also quite broad including lectures on Islamic art and includes field trips to galleries in Edinburgh and Glasgow."

Gemma (Hong Kong)



School of Art History

Biology

www.st-andrews.ac.uk/subjects/biology
bioadmissions@st-andrews.ac.uk



Third-year Biology students surveying biodiversity on a field trip in Wales

Available degree options

Previous knowledge of subject required? **Yes, Biology or Human Biology**



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.

- Biology at St Andrews has an exceptional reputation for equality and diversity (Athena SWAN Gold) and actively promotes an inclusive, welcoming culture.
- 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 methods.
- Lectures are augmented by substantial practical experience (in the laboratory and the 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 exploration of current science across a broad range of topics.

What will I study?

Biology at St Andrews offers 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 modules, culminating in a research project. You will graduate with a BSc (Honours) degree 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 laboratory- and field-based practical classes.

Second year

You will begin specialising in your areas of interest. You will have the opportunity to study cell biology, molecular biology, biochemistry, evolution, ecology, the oceans and zoology. You will also study research methods and attend laboratory- 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, practical skills and quantitative skills.

In your second Honours year, you will study in small-group, research-led classes and will carry out an individual 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 modules in your chosen specialism.

Direct entry into second year

It is possible to enter directly into second year for most Biology programmes, if you are suitably qualified.

Entry requirements

These grades are the overall standards required to consider you for entry. You can find out more about Standard, Minimum and Gateway entry requirements on page 167.

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

SQA Highers:

- **Standard entry grades AAAB**
 - **Minimum entry grades AAB**
- Must include (Biology or Human Biology) and (Chemistry or Mathematics or Physics). Biochemistry must include (Biology or Human Biology) and Chemistry.

- **Gateway entry grades BBBB**

GCE A-Levels:

- **Standard entry grades AAB**
 - **Minimum entry grades ABB**
- Must include Biology and (Chemistry or Mathematics or Physics). Biochemistry must include Biology and Chemistry.

International Baccalaureate:

- **Standard entry grades 36 (HL 6,6,5)** including HL6 in Biology and (Chemistry or Mathematics or Physics). Biochemistry must include HL6 in Biology and Chemistry.
- **Minimum entry grades 36 (HL 6,5,5)** including HL6 in Biology and HL5 in (Chemistry or Mathematics or Physics). Biochemistry must include HL6 Biology and HL5 Chemistry.

Direct entry to second year

SQA Highers/ Advanced Highers:

- **Advanced Higher A** in (Biology or Human Biology) and **B** in (Chemistry or Mathematics or Physics), or vice-versa, **plus Highers AAAB**. Biochemistry must include Biology and Chemistry.

GCE A-Levels:

- **AAA** including Biology and (Chemistry or Mathematics or Physics). Biochemistry must include Biology and Chemistry.

International Baccalaureate:

- **38** including HL6 in Biology and (Chemistry or Mathematics or Physics). Biochemistry must include HL6 in Biology and Chemistry.

Biology

🔗 www.st-andrews.ac.uk/subjects/biology
broadmissions@st-andrews.ac.uk

Our degree programmes:

Animal Behaviour

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 organismal 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, advanced biochemistry, infection and disease, and pharmacology. For the MBiochem, see also Integrated Masters on page 49.

Biology (BSc or MBiol)

If you have broad interests in biology and would rather take a wide variety of topics throughout all years, these are the degrees for you. Many of our applicants initially choose a Biology degree and later decide on a more specialised degree. However, we are also keen to support broad-based biologists, who bridge whole-organism and molecular subjects. For the MBiol, see also Integrated Masters on page 49.

Cell Biology

You will concentrate on how molecular processes are organised within the cell and on how cells work together within an organism. This programme provides the basis for understanding the physiology and development of animals and plants, as well as many aspects of pathology. The programme focuses on the structure and function

of animals, plants and microbes, and on how cells interact as they form tissues and embryos. In addition to a final year research project, you are able to take research-led, small-group classes focused on, for example, advanced microscopy and image analysis techniques.

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 participate in a residential field course and develop your research skills with one of our leading researchers in ecology and conservation. Your final year project could focus, for example, on the impacts of disturbance on coral reefs or of wind turbines on bird populations, and will provide crucial training in experimental design, data collection and analysis.

Evolutionary Biology

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, computational genomics and infection and disease will be explored. You will develop your research skills on a residential field course and subsequently work with one of our outstanding ecologists or evolutionary biologists for your final year 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 evolution of development.

Marine Biology (BSc or MMarBiol)

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

laboratory, but also out in the field. You can access the world-renowned Scottish Oceans Institute, which is housed in the new multidisciplinary research and teaching centre located on the East Sands in St Andrews. For the MMarBiol, see also Integrated Masters on page 49.

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 modules in protein structure and function, gene expression and infection and immunity. You will choose from a range of small-group, research-led modules that currently includes chromatin and genome stability, computational genomics, the CRISPR system 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

You will embark on a wide-ranging exploration of the animal kingdom, encompassing the structure, development, evolution, classification, behaviour and distribution of all types of animals, both living and extinct. Modules 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, which encompasses insects and birds avoiding being eaten, how animals recognise possible mates, and how animals gain information from each other.

Study abroad

Biology students may apply to 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

Additional compulsory costs

All students need to cover the costs of a laboratory coat and dissection kit. Those on the Ecology & Conservation degree will need to pay for residential field courses. Integrated Masters students may also encounter additional living costs in their fourth year, if they choose to take industry or research placements outside St Andrews. Some optional classes also incur additional costs.

Financial support

The University of St Andrews offers a number of scholarships and financial support packages to undergraduate students.

www.st-andrews.ac.uk/study/fees-and-funding/undergraduate/financial-assistance

Careers

Graduates from the School of Biology have a wide range of skills sought by employers: laboratory 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 schoolteachers. 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.



"I spent a year doing research at the University of the West Indies, Cave Hill, working on natural products from marine sources. This external placement experience has shaped my future, my career and my passion. It was so memorable to be a biochemistry student doing scientific research in such a paradise."

Rol-J (Saint Kitts and Nevis)

Chemistry

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



School of Chemistry

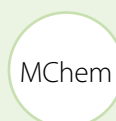
Available degree options

Previous knowledge of subject required? Yes, Chemistry



Integrated Masters Single Honours

Chemistry
Chemistry with External Placement
Chemistry with Medicinal Chemistry
Chemistry with Medicinal Chemistry and External Placement
Materials Chemistry
Materials Chemistry with External Placement



Integrated Masters 'With'

Chemistry with French
Chemistry with French and External Placement
Chemistry with Mathematics



Integrated Masters Joint Honours

Chemistry and Physics



Single Honours

Chemistry
Chemistry with Medicinal Chemistry
Materials Chemistry
Chemical Sciences



Joint Honours or 'With'

Biology and Chemistry
Chemistry and Earth Sciences
Chemistry and Mathematics

Chemistry with French
Chemistry with French (With Integrated Year Abroad)

Chemistry is an exciting central science. All our degree programmes will give you a thorough theoretical and practical training, taking you from the fundamentals to cutting-edge research-level topics including drug design, materials, nanotechnology and catalysis.

- Friendly and close-knit School that is consistently highly ranked amongst UK Chemistry departments.
- Flexible degree structure with an opportunity to specialise in Materials Chemistry or Medicinal Chemistry.
- Opportunity to gain research experience in both industrial and academic environments through both an external placement and final year research project as part of the same degree.
- 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 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 and chemistry of the first-row transition metals.

Physical Chemistry: thermodynamics and kinetics, states of matter, introductory spectroscopy and properties of solutions and solids.

Organic Chemistry: the structure of simple organic compounds, fundamental

organic reaction mechanisms, introductory bio-organic chemistry and organic spectroscopy.

Second year

You will continue to develop a deeper understanding in all branches of chemistry to provide a strong foundation for specialisation in the following years.

Inorganic Chemistry: organometallics and transition-metal chemistry, atmospheric chemistry, solid-state chemistry and main-group chemistry.

Physical Chemistry: quantum mechanics, thermodynamics, electrochemistry, kinetics, spectroscopy and diffraction, and mathematical tools for chemists.

Organic Chemistry: carbon-carbon bond formation, aromatic and heteroaromatic chemistry, biological chemistry and spectroscopic techniques for organic chemists.

Third, fourth and fifth years (Honours)

A combination of core and optional topics are taught, enabling specialisation in different areas while maintaining a broad-based coverage across the whole subject.

Entry requirements

These grades are the overall standards required to consider you for entry. You can find out more about Standard, Minimum and Gateway entry requirements on page 167.

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

SQA Highers:

- Standard entry grades AAAAB
 - Minimum entry grades AABBB
- Must include A in Chemistry and (Biology or Human Biology or Computing Science or Economics or Geography or Mathematics or Physics).

Gateway entry grades BBBB

GCE A-Levels:

- Standard entry grades AAA
- Minimum entry grades ABB

Must include A in Chemistry.

International Baccalaureate:

- Standard entry grades 38 (HL 6,6,6) including HL6 in Chemistry and (Biology or Computer Science or Economics or Geography or Mathematics or Physics).
- Minimum entry grades 36 (HL 6,5,5) including HL6 in Chemistry and HL5 in (Biology or Computer Science or Economics or Geography or Mathematics or Physics).

Direct entry to second year

SQA Highers/ Advanced Highers:

- Advanced Higher A in Chemistry and B in (Mathematics or Physics) plus Highers AAAAB

GCE A-Levels:

- AAA including Chemistry and (Mathematics or Physics).

International Baccalaureate:

- 38 (HL 6,6,6) including HL6 in Chemistry and (Mathematics or Physics).

Chemistry

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

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

MChem Integrated Masters (five years) with or without External Placement

Advanced research-led specialisation delivers topics that 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 (where you will earn a salary) or overseas academic institution (you will have to pay additional living costs). Alternatively, you may remain in St Andrews and undertake an advanced research skills laboratory, scientific writing module and a variety of compulsory and optional lecture topics. As part of fifth year, you take a year-long project in a research laboratory. The MChem provides great depth with a significant emphasis on research and is ideal for those intending to enter the professional chemical sector or to carry out postgraduate study upon graduation.

BSc (four years)

You are taught the fundamentals of this central science, from the composition and properties of matter to using reactions to create new materials and molecules. Learn about the critical role of chemistry in industries and new technologies, from pharmaceuticals to accessing drinkable water, efficient energy generation to sustainable food production. A year-long project in a research laboratory in your final year completes a comprehensive academic and practical training that equips you for a wide spectrum of careers, whether in science-based industries or other fields such as teaching, management or finance.

Supported Pathways Programme

Applicants who have experienced some form of disadvantage during their education, as defined by our contextual admissions policy, may be eligible for our Gateway to Science programme.

Alternatively, the FE-HE Pathway to Science offers supported entry to applicants from a further education college in Scotland.

Both these pathways provide a supported first year allowing you to progress into second year of one of our named degree programmes.

www.st-andrews.ac.uk/subjects/study-options/pathways

Our degree programmes (available as either MChem or BSc unless stated otherwise):

Chemistry

Chemistry at St Andrews integrates well 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 degree programme gives you the best possible training for a career in the professional chemical sector or to continue on to 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 degree programme will develop your chemical understanding of the origins of the diverse array of properties of materials, their synthesis and their characterisation.



Chemical Sciences (BSc only)

This programme allows you to combine a broad chemistry education with a small component of a non-chemistry subject at Honours level, such as communication and teaching in science, psychology, management or economics.

Study abroad

For information about study abroad options, please see: www.st-andrews.ac.uk/study-abroad

Accreditation

All our Single Honours Chemistry degree programmes are accredited by the Royal Society of Chemistry.

Scholarships

Purdie Scholarships are available to Chemistry applicants.

Careers

St Andrews Chemistry graduates are in demand by both major and grassroots companies, with an employability rate of over 95%. Chemistry degrees provide a range of transferable skills including problem solving, numeracy, data handling and teamwork; attributes that are highly prized by employers. Graduates move into a wide range of employment both in the chemical industry and other non-physical science sectors. Many MChem graduates continue on to PhD-level degrees both in the UK and overseas.



"It is easy to make friends and meet new people here as there are so many university societies, activities and events. Everyone in the School is so supportive and willing to help. It's amazing to be taught by leading researchers in the field who are so dedicated to their students. My placement year at Johnson Matthey has allowed me to gain real insight and experience into industrial research."

Bonny (Oxford, England)

Chinese Studies

✉ www.st-andrews.ac.uk/subjects/chinese-studies
chinesehod@st-andrews.ac.uk

See also **Modern Languages**



Street theatre

Available degree options

All the degrees are available With Integrated Year Abroad

MA

Joint Honours

Chinese Studies and one of the following subjects:

Arabic	French	Modern History
Art History	German	Persian
Comparative Literature	International Relations	Russian
Economics	Italian	Spanish
Film Studies	Management	

Previous knowledge of subject required? **No**

Whilst studying Chinese Studies at St Andrews you will not only gain a high level of competence in Standard Chinese language skills, you will also be trained to understand the cultural, social and political contexts of the Chinese-speaking world.

- You can take Chinese Studies with a wide range of other subjects.
- You will be taught by a diverse team of academics and language tutors in each year.
- You can start as a beginner or at a more advanced level, if you have studied Chinese at Higher, A-Level, IB or equivalent.

What will I study?

Chinese Studies will offer you exposure to the breadth and depth of Chinese linguistic and cultural practices. Going beyond the traditional model of language and literature, Chinese Studies encompasses mainstream, popular, and dissident cultures in all their national, regional, ethnic and diasporic diversity. The study of literary and visual texts and practices will be focused on contemporary concerns that are both Chinese and global such as gender and sexuality, ecology and climate change, and the excesses of advanced consumer society.

First year

You will learn Standard Chinese, the national language (sometimes called 'Mandarin') as well as full-form characters, with simplified characters being phased in later. You will soon be able to reproduce 600 characters and 1,000 words, and to read, write and comment on short texts.

You will be introduced to the cultural and intellectual history of a period covering 7,000 years before the establishment of China as a nation-state, and its cultural history of the past one hundred years.

Second year

In second year, you will learn to express yourself clearly and at natural speed in short,

connected paragraphs with some idiomatic phrases. You will be able to recognise 1,200 characters or around 3,000 frequently used Chinese words and phrases, allowing you to read and understand short articles. Throughout the year you will also acquire a broad knowledge and understanding of Chinese literary and visual cultures and their socio-political contexts.

Third and fourth years (Honours)

In addition to language courses, you will broaden your knowledge of modern Chinese culture with a range of courses placing literary and visual texts and practices in their historical contexts. By the end of your fourth year, you will be able to talk to a native speaker confidently at natural speed on a wide variety of topics and speak fluently with ease on formal occasions. You will be able to recognise and use 3,000 characters and some 9,000 words.

Study abroad

Chinese Studies students may also participate in the University-wide St Andrews Abroad programme and in our School Abroad exchange programme. Further information on page 129 and online at: www.st-andrews.ac.uk/study-abroad

Entry requirements

These grades are the overall standards required to consider you for entry. You can find out more about Standard, Minimum and Gateway entry requirements on page 167.

✉ www.st-andrews.ac.uk/subjects/entry

SQA Highers:

- Standard entry grades AAAB
- Minimum entry grades AABBB
- Gateway entry grades BBBB

GCE A-Levels:

- Standard entry grades AAB
- Minimum entry grades ABB

International Baccalaureate:

- Standard entry grades 36 (HL 6,6,5)
- Minimum entry grades 36 (HL 6,5,5)

"I like the flexible degree structure where I can study Chinese modules as well as my main subject, Physics. The University is very international and therefore I have been able to meet native Chinese students and practise my speaking. My favourite aspect of the teaching is how accessible the teachers are and supportive."

Krishan (New York, USA)

School of Classics

🔗 www.st-andrews.ac.uk/classics/prospective/ug
classics@st-andrews.ac.uk

See also **Ancient History (& Archaeology); Classical Studies; Classics, Greek and Latin; History**



Available degree options

Previous knowledge of subject required? No

MA	MA	MA	BA
Single Honours	Joint Honours	Triple Honours	International Honours
Ancient History Ancient History & Archaeology Classical Studies Classics Greek Latin	The following can be combined with a range of other subjects Ancient History Classical Studies Classics Greek Latin <i>See Arts combinations, pages 172-173</i>	One of: Ancient History Classical Studies Greek Latin and two modern languages <i>See Triple combinations, pages 132-133</i>	Classical Studies – Ancient History and Archaeology pathway or Greek and Latin pathway <i>See entry requirements and other information, page 30</i>

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.

- One of the largest Classics departments in the UK, with a unique range of expertise.
- Broad variety of modules, from Greek and Latin language and literature, to ancient history, archaeology, art, philosophy and classics in the modern world.
- Ranked first in the UK by the *Guardian University Guide 2022*.
- Ranked second among UK Classics departments for overall satisfaction in the *National Student Survey 2021*.
- Research-led teaching: research by St Andrews staff feeds directly into our teaching, particularly in the third and fourth years, so our modules are constantly being refreshed.
- Open to all: our degrees are designed to be open to beginners as well as to students who have studied the subjects at school.
- A friendly School with a strong sense of community.

Triple Honours combinations

Many of the degrees offered by the School of Classics are available as Triple 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 may 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 Classics, Greek, Latin, Classical Studies, Ancient History or Ancient History & Archaeology 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.

Degrees in these subjects equip graduates with skills of research analysis and communication and a considerable degree of autonomy that are valued by many employers.

Classicists and ancient historians can find themselves working in 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 museum curatorship.

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.

Entry requirements

These grades are the overall standards required to consider you for entry. You can find out more about Standard, Minimum and Gateway entry requirements on page 167.

🔗 www.st-andrews.ac.uk/subjects/entry

Ancient History – see page 41
Classical Studies – see page 61
Classics – see page 63
Greek – see page 63
Latin – see page 63

"The opportunity to delve deep into a topic, make mistakes, formulate and discuss ideas and bounce them off my peers is one which I will treasure. It has taught me a huge amount beyond the immediate scope of my degree and shown me the career path I wish to pursue."

Ursula (West Sussex, England)
Pictured opposite

Classical Studies

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

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



School of Classics library

Available degree options

Previous knowledge of subject required? No

MA	MA	MA	BA
Single Honours	Joint Honours	Triple Honours	International Honours
Classical Studies	Classical Studies and one of 18 other subjects	Classical Studies and two modern languages	Classical Studies – curriculum differs significantly from MA degrees
	See Arts combinations, pages 172-173	See Triple combinations, pages 132-133	See entry requirements and other information, page 30

Classical Studies will enable you to explore a broad range of Greek and Roman literature and to look more widely at the culture of antiquity and the way in which it has been received in later centuries.

- Breadth of coverage: explore the complexities 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 your journey into Classical Studies from the very beginning.
- Option to learn Latin or Greek from scratch alongside your Classical Studies modules.
- For Study Abroad information, see page 59.

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 modules.

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 look back to archaic Greece to explore the ferment of innovation and the bold experiments of poets and philosophers in an age when a new form of society was taking shape.

Third and fourth years (Honours)

You will choose from a wide range of specialist modules to pursue your interests in depth. Recent modules 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 modules with options drawn from the Ancient History programme for a truly wide-ranging exploration of the Greek and Roman worlds.

Entry requirements

These grades are the overall standards required to consider you for entry. You can find out more about Standard, Minimum and Gateway entry requirements on page 167.

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

SQA Highers:

- Standard entry grades AAAB
- Minimum entry grades AABB
- Gateway entry grades BBBB

GCE A-Levels:

- Standard entry grades AAA
- Minimum entry grades ABB

International Baccalaureate:

- Standard entry grades 36 (HL 6,6,5)
- Minimum entry grades 36 (HL 6,5,5)

"What I find most valuable about Classical Studies is the variety of disciplines and ideas that I have the chance to explore: history, social studies, languages and literature studies. There is also plenty of scope for creativity and independent thought in your work. The flexibility of the sub-honours structure exposes you to so many new ideas and ways of thinking and working that can enrich your own degree pathway."

Rachael (Lanarkshire, Scotland)

Classics, Greek and Latin

✉ www.st-andrews.ac.uk/subjects/classics-greek-latin
classics@st-andrews.ac.uk

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



School of Classics

Available degree options

Previous knowledge of subject required? No

MA	MA	MA	BA
Single Honours	Joint Honours	Triple Honours	International Honours
Classics Greek Latin	Classics and one of 11 other subjects Greek and one of 13 other subjects Latin and one of 16 other subjects	Greek and two modern languages Latin and two modern languages	Classical Studies – Greek and Latin pathway
	See Arts combinations, pages 172-173	See Triple combinations, pages 132-133	See entry requirements and other information, page 30

Classics, Greek and Latin at St Andrews are wide-ranging degrees which combine intensive study of classical languages with in-depth analysis of classical literature and the broader understanding of ancient social and cultural life.

- 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 modules from epic to tragedy, philosophy and modern reception.
- Opportunity to start Latin or Greek with dedicated support for beginners in each language.
- For Study Abroad information, see page 59.

What will I study?

Latin and Greek are the gateways to two literatures of enormous richness and sophistication that have profoundly shaped modern satire, history-writing, love poetry, politics and much more. To study them at university is not only a linguistic challenge, to understand what the texts meant in their original context, but a challenge to understand 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 less familiar genres such as the ancient novel.

Third and fourth years (Honours)

You will choose from a wide range of specialised modules to pursue your interests. Recent modules in Greek have focused on drama, rhetoric and education. Recent modules in Latin have focused on epic, letter-writing, comedy and biography. We offer many other modules besides these, including modules on the art of translation itself. If you started one language in your second year, you will take specialised language modules in your third year to complete your linguistic training.

Entry requirements

These grades are the overall standards required to consider you for entry. You can find out more about Standard, Minimum and Gateway entry requirements on page 167.

✉ www.st-andrews.ac.uk/subjects/entry

SQA Highers:

- **Standard entry grades AAAB** including A in a foreign language.
- **Minimum entry grades AABB** including B in a foreign language.
- **Gateway entry grades BBBB**

GCE A-Levels:

- **Standard entry grades AAA** including A in a foreign language.
- **Minimum entry grades ABB** including B in a foreign language.

International Baccalaureate:

- **Standard entry grades 36** (HL 6,6,5) including HL6 in a foreign language.
- **Minimum entry grades 36** (HL 6,5,5) including HL5 in a foreign language.

"The lively debates and discussions both inside and outside of class pose a welcome academic challenge as well as fostering a real sense of community. I started Latin and Greek as a beginner and am now confidently studying both at Honours."

Pippa (Glasgow, Scotland)

Comparative Literature

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

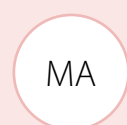
See also **Modern Languages**



St Andrews Pier

Available degree options

Previous knowledge of subject required? No



Joint Honours

Comparative Literature and one of **26** other subjects

See Arts combinations, pages 172-173



Triple Honours

Comparative Literature and two modern languages

See Triple combinations, pages 132-133

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

- You will be taught by literary experts from across the School of Modern Languages (Departments of Arabic, Chinese Studies, French, German, Italian, Persian, Russian and Spanish) and from other Schools in the Faculty of Arts.
- You will be reading the texts in English translation; lectures will inform you about the historical and literary-cultural contexts of the original works and the act of translation will be in sight at all times.
- You will have the chance to work with many different types of text – novels, plays, poetry and short stories, but also films, fanfictions, manifestos, social media and video games – ranging from the medieval period to the 2020s.
- Assessments will vary from traditional forms such as essays and close readings to creative, innovative formats (e.g. writing your own censorship report or annotated adaptation; writing a reflective logbook).

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 widely, to discuss with your peers and tutors and to present your ideas via a range of forms of assessment. You will develop strong intercultural skills.

First year

The 19th-century novel of adultery and political drama in the 20th and 21st centuries will be covered, translated from nine different national literatures.

Second year

You will deepen your theoretical and practical engagement with Comparative Literature as a discipline by studying two themes of Good and Evil, and Journeys.

Moving on from first year we now analyse a wide range of genres and periods whilst continuing to work with a number of different national literatures.

Third and fourth years (Honours)

Two core modules focus on approaches to Comparative Literature, both traditional (e.g. reception studies) and more recent (e.g. petrocultures). You also choose from a wide selection of research-led topics bringing together different national literatures, for example: the short story, experiences of exile, bad books, cultural memory, crossing the Mediterranean, illness and literature.

Study abroad

Comparative Literature students may apply to 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

These grades are the overall standards required to consider you for entry. You can find out more about Standard, Minimum and Gateway entry requirements on page 167.

🔗 www.st-andrews.ac.uk/subjects/entry

SQA Highers:

- Standard entry grades AAAB
- Minimum entry grades AABB
- Gateway entry grades BBBB

GCE A-Levels:

- Standard entry grades AAB
- Minimum entry grades ABB

International Baccalaureate:

- Standard entry grades 36 (HL 6,6,5)
- Minimum entry grades 36 (HL 6,5,5)

"I have been pleasantly surprised by the variety of texts in terms of form but also of country of origin, as I had previously been exposed to almost exclusively English texts from the UK and the USA. I love the multitude of cultures that we are exposed to and learn about in order to inform our reading of texts as it felt like a far more holistic way to approach literature and to access the human condition."

Anushé (Dubai, United Arab Emirates)
 Pictured opposite

Computer Science

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



Group work discussion

Available degree options

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

MSci

Integrated Masters

Computer Science

BSc

Single Honours

Computer Science

BSc

Joint Honours

Computer Science and one of **7** other subjects

See Science combinations, page 174

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

- Computer Science at St Andrews has an excellent reputation for teaching and research.
- There is an excellent student:staff ratio of 12:1.
- State-of-the-art facilities are available for all our students.
- Almost all of our academic staff teach and tutor undergraduates each year.
- Our degree programmes are challenging but very rewarding.

What will I study?

Our degree programmes 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.

In the first year of your studies, you will be required to study at least one additional subject alongside Computer Science. 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 using 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. They are at the heart of the thriving Computer Science community at St Andrews.

First year

You will take two compulsory modules. 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 module each semester and will take one or two modules from another subject.

Our modules include weekly tutorials which provide a small-group teaching environment that helps deepen your engagement with the topics studied and prepares you for assessment.

Entry requirements

These grades are the overall standards required to consider you for entry. You can find out more about Standard, Minimum and Gateway entry requirements on page 167.

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

SQA Highers:

- **Standard entry grades AAAAB**
 - **Minimum entry grades AABB**
- Must include A in Mathematics and pass in (Biology or Human Biology or Chemistry or Computing Science or Geography or Physics or Psychology).
- **Gateway entry grades BBBB**

GCE A-Levels:

- **Standard entry grades AAA**
 - **Minimum entry grades ABB**
- Must include A in Mathematics and pass in (Biology or Chemistry or Computer Science or Further Mathematics or Geography or Geology or Physics or Psychology).

International Baccalaureate:

- **Standard entry grades 38 (HL 6,6,6)**
 - **Minimum entry grades 36 (HL 6,5,5)**
- HL6 in Mathematics and SL5 in (Biology or Chemistry or Computer Science or Geography or Geology or Physics or Psychology).

Direct entry to second year

SQA Highers/ Advanced Highers:

- **Advanced Higher A** in Mathematics and **B** in (Biology or Human Biology or Chemistry or Computing Science or Geography or Physics or Psychology) **plus Highers AAAAB**

GCE A-Levels:

- **AAA** including Mathematics and (Biology or Chemistry or Computer Science or Further Mathematics or Geography or Geology or Physics or Psychology).

International Baccalaureate:

- **39 (HL 6,6,6)** including HL6 in Mathematics and SL5 in (Biology or Chemistry or Computer Science or Geography or Geology or Physics or Psychology).

Computer Science

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

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

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

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. The foundations of logic that are relevant to computer scientists will also be covered, with an emphasis on automatic reasoning and decidability, including propositional and predicate calculus, various proof techniques and Gödel's incompleteness theorem. You will apply software engineering concepts and practices to a substantial software engineering project as part of a team. This project runs through both semesters in third year and will prepare you for the workplace, where collaboration with others is essential.

In your final year of a BSc, you will undertake a substantial software engineering project. 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 modules, such as computational complexity, you will choose from a wide variety of advanced options. Previous Honours topics have included artificial intelligence, component technology, 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, and video games.

In addition, there is an option to 'dip up' by taking some Masters-level classes.

Integrated Masters (five years)

The first three years of the programme are as already described. In fourth year, you will choose options from our Honours and Masters-level classes. In fifth year, you will spend one semester of your final year dedicated to undertaking a major software engineering or research project under the guidance of a supervisor. You will also be able to take a number of modules at Masters level, providing advanced training in computer science. Topics may include language and computation, software engineering principles, critical systems engineering, software architecture, human computer interaction principles and methods, data-intensive systems, machine learning, data ethics and privacy, and information visualisation.

Direct entry into second year

Well-qualified applicants 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 modules, which includes necessary background material from our first-year modules.

Study abroad

Computer Science students may apply to 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 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.



Staff-student chat

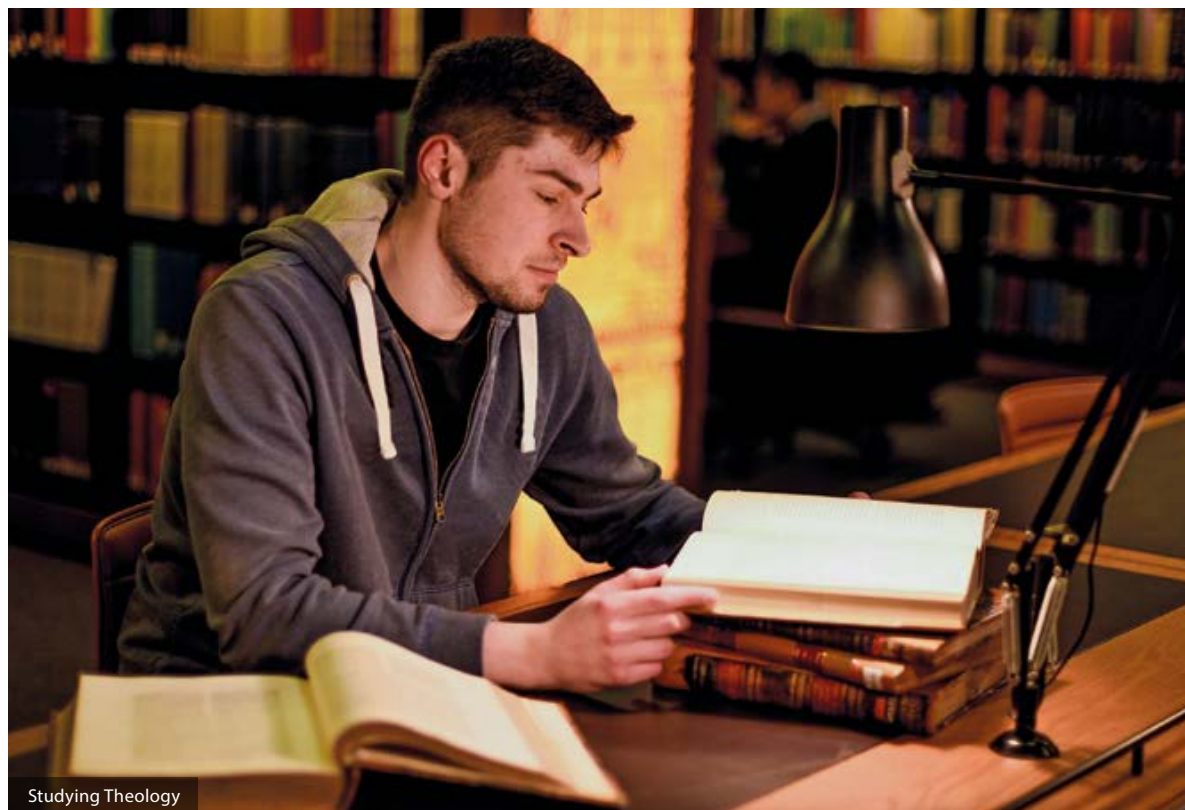


"The balance between practical applications and theory-based learning is incredibly well constructed. During my first year, I was able to take modules in astrophysics, mathematics and organic chemistry alongside my compulsory degree modules. This allowed me to broaden my horizons and explore topics I had not previously considered before, develop a lot of new interests, as well as considering the interconnectivity of subjects."

Zachariah (Singapore)

Divinity

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



Studying Theology

Available degree options

		Previous knowledge of subject required? No	
<div>MTHeol</div>	<div>MA</div>	<div>MA</div>	<div>BD</div>
Single Honours	Joint Honours	'With' Honours	Bachelor of Divinity
Theology	Biblical Studies and one of 16 other subjects Hebrew and one of 10 other subjects New Testament and Modern History Theological Studies and one of 15 other subjects	Art History with Bible and Culture English with Bible and Culture Film Studies with Bible and Culture Medieval History with Bible and Culture Modern History with Bible and Culture Philosophy with Bible and Culture Scottish History with Bible and Culture	Divinity
<div>MA</div>	See Arts combinations, pages 172-173		If you are taking the BD (Bachelor of Divinity) degree, you will enter directly into the second year. Please note, though, that the BD is restricted to those who already have another undergraduate degree.
Single Honours			
Biblical Studies Theological Studies			

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. Divinity is one of the oldest intellectual pursuits and vital for understanding our world today.

- We are consistently ranked among the top 20 for Theology, Divinity and Religious Studies in the annual *QS World University Rankings*.
- We are a dynamic community in which staff and students work together closely.
- We offer a clearly structured, rigorous programme of study that also allows specialisation, a wide range of choice and academic as well as career-linked support.
- We are housed in St Mary's College, one of the most historic parts of the University and the home of Divinity since the 15th century.
- Our King James Library, founded in 1612, is a beautiful place, providing Divinity students with quiet study areas and curated research support.

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 and theology have had on Western civilisation. Emphasis is also placed on inter-religious dialogue and interdisciplinary engagements between theology and other subjects including science, philosophy, psychology, anthropology and art history.

First year

You will concentrate on Theology or Biblical Studies, or both. In Theology you will take modules exploring key themes in Christian theology as they have developed in history and as people might think about and practice them now. In Biblical Studies, you will take one module 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 modules on offer each year, covering topics such as world religions, science-engaged theology, the Bible in western culture and theology's influence on popular culture and the arts.

Second year

You will continue with Theology or Biblical Studies, or both. In Theology, you study Christian thought and practice, as well as the history of the church. In Biblical Studies, you will continue your study of both parts of the Bible and, if you want, of Hebrew and/or Greek. There is also a variety of optional modules on offer, covering special topics related to science, theology, philosophy and religion and the arts.

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. At this stage, you will also take part in a formative programme designed to prepare you for advanced research and writing as well as career planning.

Entry requirements

These grades are the overall standards required to consider you for entry. You can find out more about Standard, Minimum and Gateway entry requirements on page 167.

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

SQA Highers:

- Standard entry grades AAAB
- Minimum entry grades AAB
- Gateway entry grades BBBB

GCE A-Levels:

- Standard entry grades AAA
- Minimum entry grades ABB

International Baccalaureate:

- Standard entry grades 36 (HL 6,6,5)
- Minimum entry grades 36 (HL 6,5,5)

"I love the fact that students are given the room to explore options before concentrating on specific areas of studies. I have been exposed to topics that I did not know would interest me so much. They provoke my interest, satisfy my curiosity, and make me think. This University is not just four years of your life, it is a life in four years!"

Lowell (Hong Kong)

Divinity

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

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 many other Jewish and Christian writings from these periods, such as the Dead Sea Scrolls. You may start studying the biblical languages of Hebrew and/or Greek at sub-honours level, or Aramaic at Honours level.

This degree programme is particularly suited for those wanting a wider range of options across Arts subjects, while still giving most of their attention to Divinity. You may also take Biblical Studies jointly alongside a range of Arts subjects such as Art History, Ancient History or Classical Studies. The programme 'with Bible and Culture' provides you with additional context for the interpretation of art, literature, history, or film.

Hebrew

Our focus is on classical or biblical Hebrew, though you may also take advanced modules 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

Theological Studies provides an introduction to the rich theological traditions of Christianity,

covering the history of Christian theology from the early church to our contemporary period. You will explore ways in which Christianity is being expressed and lived out today in different areas of the world, and learn about the distinctive challenges to, and unique resources found within, faith in the context of past and present.

The Theological Studies (MA) is suited for those wanting a wider range of options across Arts subjects, while still giving most of their attention to Divinity. The Master of Theology (below) provides a more specific theological focus.

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 (in his historical and theological contexts), Paul's letters and the rapid growth of the early church, as well as 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, religion and anthropology, pastoral care, moral reasoning, theology and the arts, science-engaged theology, 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.

Study abroad

Divinity students may apply to participate in the University-wide St Andrews Abroad programme. You may also have the opportunity to participate in our School Abroad exchange programme which includes opportunities to study in, for example Israel and Germany. For information about study abroad options, please see: www.st-andrews.ac.uk/study-abroad



St Salvador's Chapel

Careers

A degree in Divinity gives you the opportunity for significant intellectual and personal development, and you will acquire a wide range of transferable skills. Those who have studied Theology or Biblical Studies have learnt a fantastic range of skills – textual, historical, analytical, creative, and interpersonal. They are in demand with employers who need rigorous but flexible thinkers with a broad knowledge base, excellent communication skills and an empathetic understanding of people and their religious and social contexts.

Recent graduates from the School of Divinity have, for example, become postgraduate students in the UK and abroad, religious studies teachers, lay

chaplains at schools, ordained ministers, journalists with the national and religious press. Divinity graduates have also gone on to become a trainee manager at a national bank, an art gallery assistant, a solicitor, a theatre director, a college principal and even a wine taster. Others have become business consultants, social workers, members of religious orders, or have charted new paths by becoming entrepreneurs.

Graduates have also gone on to postgraduate degrees in areas related to Divinity, such as literature, philosophy, anthropology, and classics, at other top universities in the UK and around the world.



"I enjoy the close community in the School, not just between students but also with staff who are really engaging and helpful. As my classes are quite small, I can ask questions and get advice, whether it be through an email or in person. Also, studying in the King James Library is a great reminder of how lucky I am to be able to study here."

Zac (Coleraine, Northern Ireland)

Earth & Environmental Sciences

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



Environmental Earth Sciences students assessing seawater circulation and carbon cycling

Available degree options



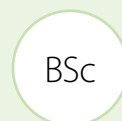
Integrated Masters

Earth Sciences



Single Honours

Environmental Earth Sciences
Geology



Joint Honours

Earth Sciences and Biology
Earth Sciences and Chemistry

Previous knowledge of subject required? No

Earth and environmental sciences cover topics from current climate change to the formation of the planets. You will gain a fundamental understanding of the natural processes that shape our planet and create its resources.

- Discover how Earth and other planets have developed and evolved through time by studying the processes that build continents, control climate, influence life, govern the composition of the oceans and atmosphere, and form critical natural resources required for 21st-century technologies.
- Gain valuable first-hand experience in obtaining and evaluating your own data and ideas through hands-on training in laboratory work, coding and field training across Scotland and Europe.
- Engage with exciting research ranging from the processes of planetary formation to the evolution of life and environments over deep time, through to climate change, natural resources and environmental sustainability.
- Develop transferable skills including fieldwork training, numerical modelling, scientific problem solving and written and oral presentation.
- Become part of a tight-knit community of students and staff, ensured by small class sizes and frequent field trips.
- Be taught by world-leading researchers who are passionate educators.
- Use some of the UK's most advanced analytical facilities as part of your undergraduate dissertation.
- Enjoy graduate employability prospects across a diverse range of fields, including critical mineral resources for green energy, weather forecasting, water resources and environmental consultancy.

What will I study?

You will study fundamental topics from current environmental change to the evolution of the planets, integrating physical geography, chemistry, physics and biology to understand the world around us. St Andrews is an ideal place to study Earth and environmental sciences, with a range of marine and terrestrial environments and world-famous geological sites on our doorstep.

Many of our students naturally gravitate toward Earth Science having studied Physical Geography previously, or based on interests in the Earth's environment. Most of our students have no background in Earth Sciences before arriving at St Andrews.

All of our undergraduate degree pathways share classes in the first two years. These provide a broad foundation in Earth and environmental sciences, from which you can find your specific interests and strengths before specialising in your Honours years. It is possible to change programmes, depending on performance, up to the start of third year.

First year

You will study the fundamental processes that have formed and shaped our planet and its environment. You will gain the skills to interpret environmental data, read the geological record and gain first-hand fieldwork experience. You will also take modules in other subjects from across the University.

Entry requirements

These grades are the overall standards required to consider you for entry. You can find out more about Standard, Minimum and Gateway entry requirements on page 167.

📄 www.st-andrews.ac.uk/subjects/entry

SQA Highers:

- Standard entry grades AAAB
 - Minimum entry grades AAB
- Including two of Biology (or Human Biology), Chemistry, Environmental Science, Geography, Mathematics, Physics.

- Gateway entry grades BBBB

GCE A-Levels:

- Standard entry grades AAB
 - Minimum entry grades ABB
- Including two of Biology, Chemistry, Environmental Science, Geography, Geology, Mathematics, Physics.

International Baccalaureate:

- Standard entry grades 36 (HL 6,6,5) including HL6 in two of Biology, Chemistry, Geography, Mathematics, Physics.
- Minimum entry grades 36 (HL 6,5,5) including HL5 in two of Biology, Chemistry, Geography, Mathematics, Physics.

Direct entry to second year

GCE A-Levels:

- AAA including A in Geology and (Biology or Chemistry or Geography or Mathematics or Physics).

International Baccalaureate:

- 38 including HL6 in three of Biology, Chemistry, Geography, Physics.

Earth & Environmental Sciences

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

Second year

You will build a deeper understanding of Earth's environment and resources and the natural processes that shape Earth's surface and interior, from the circulation of the ocean and atmosphere to plate tectonics. You will investigate pivotal episodes in Earth's history, discover how our planet and life evolved and investigate how Earth's environment is changing today. Further development of field skills comes from independent and small-group fieldwork across the UK and in Spain.

Third and fourth years (BSc and MGeol)

You will learn state-of-the-art geological and environmental science techniques. Further details on specific degree programmes are listed below.

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. It incorporates insights from chemistry, physics and biology to understand Earth's current and past surface environment. Teaching is strongly integrated with our leading research programmes, and you can take advantage of laboratory-based research projects to investigate topics ranging from the dawn of atmospheric oxygen to the stability of major ice sheets, and the impact of volcanoes on climate to the processes governing CO₂ change. 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 including fieldwork, laboratory measurements and climate modelling. This degree will appeal to candidates who are interested in the physical aspects of geography and using science to understand Earth's changing environment.

BSc Geology

This degree explores the origin and evolution of our planet and its biosphere over time, using the geological record to understand the processes and events that have shaped planet Earth. You will learn

how Earth resources will fuel the global energy transition and contribute to a sustainable future. Research-led teaching will introduce you to cutting-edge questions, such as why the Earth is unique in our solar system, how planets and atmospheres form and change, why volcanoes erupt, and how life originated and evolved. Applied training will provide you with the skills and knowledge required by the energy, mineral and environmental industries, and research projects will allow you to undertake independent field and laboratory research.

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 additional year allows you to engage deeply with fundamental questions in Earth Sciences and to engage in either an industry internship or a placement within a research group.

With employment and PhD opportunities increasingly requiring Masters-level qualifications, this programme is designed to allow candidates to supplement their deep understanding of Earth and environmental science processes with a proven track record of workplace and research-based experience.

The broad and flexible structure of the degree introduces you to topics across the Earth and environmental sciences and provides ample room for the development of specific interests.

Accreditation

The BSc Geology and MGeol Earth Sciences degrees are accredited by The Geological Society. As well as providing added assurance to prospective students that teaching is of the highest quality and has been approved by an independent body, holding an accredited degree reduces the amount of experience required for applications for Chartered Geologist and Chartered Scientist.

The BSc Environmental Earth Sciences degree is accredited by The Institution of Environmental Sciences. This accreditation provides a mark of quality and specifically indicates an institution is active in supporting student career paths. Students are also entitled to apply for free Student Membership of the IES.



Geology students demonstrating the movement of ancient earthquakes in North West Scotland

Study abroad

Earth and Environmental Sciences students may apply to 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 (MGeol), and international fieldwork (all Honours programmes). Recent locations have included Greenland, Namibia, the USA, and sites across Europe.

Field training

Field training is an essential part of Earth and Environmental Sciences degrees. At St Andrews travel and accommodation costs are covered on compulsory taught field trips run by the School.

Careers

The School is proactive about developing career opportunities, and career activities are provided for all students from first year onwards. We embed assessment styles that imitate real workplace scenarios and many modules in Honours years are supported by visits to and by industry partners. As a result, our graduates are well prepared

for industry and our graduate employment prospects are consistently among the best in the UK. There are multiple 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 scientific problem solving, written communication and oral presentation. The high quality of our field training is particularly highly valued by employers.

Our graduates have become environmental scientists, exploration geologists, geophysicists, geologists, hydrogeologists, consultants, and geological, environmental and geotechnical engineers.

Recent employers of our graduates include the British Geological Survey, Scottish Environmental Protection Agency, BP, British Antarctic Survey, Norsk Hydro, Fugro Geotechnics Ltd, Gemfields, Scottish Natural Heritage, Hinkley Point C nuclear power station, JP Morgan, Accenture, and BHP Billiton. Many of our graduates undertake further study, both at MSc and PhD level. Recent PhD destinations include MIT, ETH Zurich, Stanford, Durham, Cambridge and Oxford.



"I chose St Andrews because of the multitude of fieldwork opportunities within and outside of Scotland. The staff are incredibly dedicated to their students and the result is a lively and positive atmosphere. I had absolutely no need to worry about making friends – there are so many University events, societies and sporting activities to get involved in."

Charlotte (Franschhoek, South Africa)

Economics & Finance

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



Available degree options

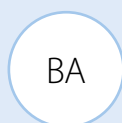
Previous knowledge of subject required? No



Single Honours

Economics
Financial Economics

See Cross-Faculty subjects, page 5



International Honours

Economics

See entry requirements and other information, page 30



Joint Honours BSc

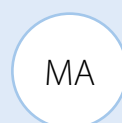
Economics and one of **8** other subjects
Financial Economics and Management
Financial Economics and Mathematics

See Science combinations, page 174

Joint Honours MA

Economics and one of **23** other subjects
Financial Economics and Management
Financial Economics and Mathematics

See Arts combinations, pages 172-173



'With' Honours

Economics with one of **4** other subjects

See Arts combinations, pages 172-173

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 degree programmes provide structured explorations of key concepts, analysis and techniques.

- 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 and backgrounds.
- We offer excellent research-led teaching, ranked third in the UK by the *Guardian University Guide 2022*.
- 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 module choices.

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 modules provide a basic insight into the use of quantitative methods, 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)

There is a wide range of topics on offer every year, for example econometrics, corporate finance, game theory, economic growth, portfolio management. There is also 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

These grades are the overall standards required to consider you for entry. You can find out more about Standard, Minimum and Gateway entry requirements on page 167.

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

SQA Highers:

- Standard entry grades AAAAB
- Minimum entry grades AABBB
- Gateway entry grades BBBBB

GCE A-Levels:

- Standard entry grades AAA
- Minimum entry grades ABB

International Baccalaureate:

- Standard entry grades 38 (HL 6,6,6)
- Minimum entry grades 36 (HL 6,5,5)

"I switched to a degree in Economics with German, which has been a nice blend of statistical methods in econometrics, graphs and all the theories of Economics with the more creative, communicative and interactive side of German language classes."

Anesu (Kent, England)
Pictured opposite

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 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 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 Economics degree programmes.

Financial Economics (BSc or MA)

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 main difference is that you will be required 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 Financial Economics students may apply to 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 degree in Economics have highly sought-after skills and pursue careers in a wide variety of fields. These include banking, government, accountancy, insurance, consultancy, charitable and 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 that are 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.

According to *The Telegraph* in 2019, St Andrews Economics graduates had the third highest average salaries in the UK five years after graduation.

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 really enjoy how broad and rich the study of Economics is here, with its numerous module choices. The teaching is focused on independent learning, which has helped develop my sense of responsibility and prepared me well for my future studies. I am the Class Representative for Financial Economics – I think it is very valuable that there are these opportunities for students to get involved."

Ignacio (Buenos Aires, Argentina)



St Andrews town centre

English

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



School of English

Available degree options

Previous knowledge of subject required? Yes, English

MA	MA	MA	BA
Single Honours	Joint Honours or 'With'	Triple Honours	International Honours
English	English and one of 29 other subjects English with Bible and Culture	English and two modern languages	English
	See Arts combinations, pages 172-173	See Triple combinations, pages 132-133	See entry requirements and other information, page 30

You can study English, Scottish and American literature, as well as modules in prose, verse, drama and film. You will also consider the ideas, human values and history behind this broad variety of texts.

- Ranked first in the UK in *The Times* and *The Sunday Times Good University Guide* 2022.
- We offer a broad 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.
- There is a 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 modules.
- The research-led teaching throughout the curriculum means from your first day you will be taught by leading experts.

What will I study?

St Andrews has a long and illustrious history of teaching literature in English. The School combines expertise in research with a dedication to teaching in a caring and friendly environment. Special research strengths include medieval language and literature, the Renaissance, the Romantic and modern periods, Scottish literature, creative writing, and women's writing.

Studying English develops techniques that enable you to read with close attention and to consider the ideas, human values and historical forces that have helped to form our literature. You will have the opportunity to read, to discuss and to reflect with clarity on a wide variety of texts and develop analytical, descriptive and evaluative skills. You will learn to communicate more fluently, lucidly, economically and persuasively. These skills are both intrinsically enriching and eminently transferable.

First year

A third of your time will be taken up by English modules. In these you will focus on 19th- and 20th-century literature and literature from 1680 to 1830. You will explore texts in prose and verse, ranging from *Wuthering Heights* and *The Waste Land* to mid and late 20th-century works by Sam Selvon and Jackie Kay. Emphasis is on practical criticism, close reading and the importance of literary and historical contexts. You will also cover, among other works, *Gulliver's Travels*, *Frankenstein*, Wordsworth and Coleridge's *Lyrical Ballads*, and look at travel, colonialism, the Gothic and the Romantic.

The rest of your time will be spent studying at least two other subjects, and there is a wide range from which you can choose. These will normally be from the Faculty of Arts or a Cross-Faculty subject, marked in red and blue, respectively, in this prospectus.

Entry requirements

These grades are the overall standards required to consider you for entry. You can find out more about Standard, Minimum and Gateway entry requirements on page 167.

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

SQA Highers:

- Standard entry grades AAAAB including A in English.
- Minimum entry grades AABB including A in English.
- Gateway entry grades BBBB

GCE A-Levels:

- Standard entry grades AAA
 - Minimum entry grades ABB
- Must include A in English or English Literature.

International Baccalaureate:

- Standard entry grades 38 (HL 6,6,6)
- Minimum entry grades 36 (HL 6,5,5)

Must include HL6 in English.

"I chose to study English here partly due to the excellent reputation of the School and partly for the opportunity to study both well-known and obscure pieces of literature. The small-group tutorials are invaluable in sounding out ideas for essays, learning how better to build an argument, and gaining confidence in literary analysis."

Calum (South Lanarkshire, Scotland)
Pictured opposite

English

🔗 www.st-andrews.ac.uk/subjects/english
english@st-andrews.ac.uk

Second year

You will focus on literature from the medieval 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 medieval 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 module 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 is covered, from the Renaissance to the present, including figures like William Shakespeare, Oscar Wilde and Debbie Tucker Green.

Third and fourth years (Honours)

There is an exciting range of around 45 different modules from which to choose, and options may include Chaucer, Tragedy in the Age of Shakespeare, Scottish Literature, Jane Austen, Creative Writing, Black and Asian British Writing and a wide variety of other topics and approaches to the study of literature written in English. Single Honours students normally take eight modules in the two Honours years, including at least one on medieval literature, one on early modern literature and one other on 18th-century, Romantic or 19th-century literature. Joint Honours students normally take four modules in English (including one on pre-20th-century literature), and four in another subject. The dissertation, which is compulsory for Single Honours students and optional for Joint Honours students, allows you to write an extended essay on a literary topic of your own choice.

Several modules 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 medieval 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 may apply to 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 St Andrews 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 Oxford University Press, Penguin Books, Harper Collins, *The Times*, *Country Life* magazine, and *The Field* magazine. 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. A large range of Masters and PhD programmes are available in English literature and creative writing at St Andrews. These include period-specific Masters programmes (such as Romantic and Victorian Studies, 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, Playwriting and Screenwriting.



School of English



"Throughout my four years here I have been able to study a little bit of everything in English and been able to really focus on aspects that I love or have grown to appreciate in a new way. The School of English has a phenomenal teaching staff who are always encouraging, passionate, and helpful; because they have different specialities, they make the School's teaching varied and wonderful to experience."

Grace (New Hampshire, USA)

Film Studies

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



Smokescreen, winner of the St Andrews 60 Hour Film Blitz

Available degree options

Previous knowledge of subject required? No

MA	MA	MA	BA
Single Honours	Joint Honours	'With' Honours	International Honours
Film Studies	Film Studies and one of 23 other subjects	Film Studies with Bible and Culture	Film Studies
	See Arts combinations, pages 172-173		See entry requirements and other information, page 30

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 film genres and cultures.

- Outstanding academics: as leading figures in the ever-expanding fields of film and media studies, members of staff have published award-winning material on a range of topics, from global film archives to the latest 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 is a dynamic and growing discipline, drawing in students with a variety of interests. You will examine critically 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 20th and 21st centuries. During the first two years, you will take four Film Studies modules (one per semester). These provide the theoretical, cultural and methodological frameworks you will need for the more specialised and challenging Honours modules.

In third and fourth year, you can take either Single Honours or Joint Honours in Film Studies, taking modules (typically two per semester for Single Honours, or one per semester for Joint Honours) across the next two years. These modules 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 genres, film sound, global cinemas, documentary, and various histories of the moving image. You work closely with the teaching staff, developing excellent intellectual, writing and research skills that are useful in a wide variety of professions.

First year

The two first-year modules 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 global film history, from early cinema to wide ranging movements in the art, culture and technology of film.

Cinema provides a rich resource for analysing the social, cultural and ideological cross-currents of a particular historical moment; and the films we study bring these into bold relief.

Entry requirements

These grades are the overall standards required to consider you for entry. You can find out more about Standard, Minimum and Gateway entry requirements on page 167.

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

SQA Highers:

- Standard entry grades AAAB
- Minimum entry grades ABBB
- Gateway entry grades BBBB

GCE A-Levels:

- Standard entry grades AAB
- Minimum entry grades ABB

International Baccalaureate:

- Standard entry grades 36 (HL 6,6,5)
- Minimum entry grades 36 (HL 6,5,5)

"Film Studies has introduced me to the importance of film and the impact it has had upon the world; it allows you to explore historical changes and cultural differences from around the globe."

Kirsty (Glasgow, Scotland)

Film Studies

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

Second year

The two second-year modules explore theories and cultures of film and other screen media from 1900 to the present day, focusing on different methods for understanding and analysing the moving image. Based on screenings of cinematic, televisual and new media works, you will explore questions of ideology and identity, psychology and philosophy, as well as numerous other links between visual media, art and industry.

Third and fourth years (Honours)

The Honours degree programme introduces a diverse range of film and media theories focusing on gender, national and transnational cinemas, aesthetics and history.

You will be able to choose from a wide variety of modules exploring topics such as documentary, sensory cinema, digital media, artists' film and video, and genres ranging from horror to comedy. Each week you will participate in seminar discussions of advanced work in the field.

In fourth year you have the opportunity to select a research topic in discussion with a supervisor and explore it in significant depth via a dissertation.

Study abroad

Film Studies students may apply to 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

Film Studies degrees resonate with the demands of today's job market. Film and media literacy are 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 our 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 are 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 at Warner Brothers.

At postgraduate level the Department offers a taught MLitt in Film Studies. The programme is a great way to complete a Masters degree with the further option of undertaking PhD study in film and media studies. MLitt students in our Department also benefit from contact with a large cosmopolitan postgraduate cohort. 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 screening in the Buchanan lecture theatre



"The depth in which I am encouraged to think about and discuss film has improved my overall skills of critical thinking. The lecturers present us with texts and ideas outside of our usual frame of reference and encourage us to formulate our own point of view, even in contentious areas of debate. The work is hard but if you are studying something you are passionate about, it is more than worth it."

Milo (Inverness, Scotland)

French

www.st-andrews.ac.uk/subjects/french
frenchhod@st-andrews.ac.uk

See also **Modern Languages**



The Louvre, Paris

Available degree options

All the degrees are available With Integrated Year Abroad

Previous knowledge of subject required?
Yes, French

MA	MA	MA	BSc	MChem
Single Honours	Joint Honours	Triple Honours	'With' Honours	
French	French and one of 27 other subjects	French and two other modern languages French and one other modern language and another subject	Biology with French (BSc) Chemistry with French (BSc or MChem) Chemistry with French and External Placement (MChem)	
	See Arts combinations, pages 172-173	See Triple combinations, pages 132-133		

French programmes enable you to develop a high level of competency in language skills. Alongside language, you will also study French and Francophone literature, culture, civilisation, history and politics, allowing you to develop strong cultural awareness.

- Our specialist staff offer a unique range of innovative modules covering all periods 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.

What will I study?

First year

The language modules, taught in a combination of French and English, are designed to consolidate and develop skills acquired in secondary school and to increase fluency in the target language. A wide range of texts – encompassing prose, drama, poetry and film – are studied each 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 three hours of language per week (including one oral class with a native speaker), plus literature lectures and seminars.

Second year

Second year is taught primarily in French. It comprises core language and culture elements and a choice of literature and civilisation modules. These feature key events, ideas and texts spanning from the Middle Ages to the present day which have shaped the French-speaking world. Teaching includes two language hours per week (including one oral class with a native speaker), plus lectures and seminars in literature and civilisation. You will be well prepared to make an informed choice of modules at Honours level and study abroad, if you so choose.

Third and fourth years (Honours)

At Honours, language modules are offered with an emphasis on communication skills, critical reviews, blog writing and translation. Oral classes involve debates, the production of podcasts and vlogs, group presentations and bilateral interpretation. A wide range of modules in language, literature, intellectual history, politics and society is also available. Modules may include translation methodology, creative writing, politics and propaganda in the Middle Ages, libertinage and libertine literature, modern French thought and francophone African literature.

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

Study or work abroad

You can choose to apply to study or work abroad as part of your degree. French students may also participate in the University-wide St Andrews Abroad programme. Further information is available on page 129 and online at: www.st-andrews.ac.uk/study-abroad

Entry requirements

These grades are the overall standards required to consider you for entry. You can find out more about Standard, Minimum and Gateway entry requirements on page 167.

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

SQA Highers:

- **Standard entry grades AAAB** including A in French.
- **Minimum entry grades AAB** including A in French.
- **Gateway entry grades BBBB**

GCE A-Levels:

- **Standard entry grades AAB** including A in French.
- **Minimum entry grade ABB** including A in French.

International Baccalaureate:

- **Standard entry grades 36 (HL 6,6,5)** including HL6 in French.
- **Minimum entry grades 36 (HL 6,5,5)** including HL6 in French.

"The staff are so inspiring, ensuring that we are engaging with lecture material and enhancing our linguistic development. I've also met some amazing people in my classes and through student societies. I had a wonderful semester studying abroad at the prestigious Sorbonne University in Paris."

Teilo (Bridgend, Wales)
Pictured opposite during his study abroad in Paris

Geography

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

See also **Sustainable Development**



Field training in Iceland

Available degree options

Previous knowledge of subject required? No

<div>BSc</div> <div>MA</div>	<div>BSc</div>	<div>MA</div>	<div>BSc</div> <div>MA</div>
Single Honours	Joint Honours	Joint Honours	'With' Honours
Geography	Geography and one of 6 other subjects	Geography and one of 21 other subjects	Geography with 3 subjects 5 subjects with Geography
See Cross-Faculty subjects, page 5	See Science combinations, page 174	See Arts combinations, pages 172-173	See Arts and Science combinations, pages 172-174

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

- Great flexibility in the choice of subjects spanning the full range of geography, all taught by leading experts, plus the breadth and flexibility of our degree structure which opens up numerous fascinating degree combinations.
- Fieldwork opportunities available in all four years.
- Externally acclaimed training in a range of valuable transferable skills, including quantitative and qualitative analytical methods, Geographic Information Systems, Remote Sensing, physical and social science skills, teamwork, 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 the Geography content 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 degree structure, all aspects of geography are available to you in all four years, allowing you to explore your evolving interests.

The Geography element of your degree is the same for the BSc or the MA. Small-group teaching begins in first year, and average class sizes progressively diminish through the degree; in fourth year, all students receive one-to-one supervision as they complete a research dissertation. Geography can also be combined with a wide range of other subjects as a joint degree.

The curriculum in the first two years is a balanced mix of physical, human and environmental geography with a parallel skills stream

developed in laboratory, tutorial and fieldwork settings. Third and fourth year provide the opportunity to specialise in your area of interest. We have particular strengths in climate change, glacial studies, population and health, migration and mobility, studying past and present environments, development, political ecology and Geographic Information Science (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 Remote Sensing.

Entry requirements

These grades are the overall standards required to consider you for entry. You can find out more about Standard, Minimum and Gateway entry requirements on page 167.

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

SQA Highers:

- Standard entry grades AAAB
- Minimum entry grades AABB
- Gateway entry grades BBBB

GCE A-Levels:

- Standard entry grades AAA
- Minimum entry grades ABB

International Baccalaureate:

- Standard entry grades 38 (HL 6,6,6)
- Minimum entry grades 36 (HL 6,5,5)

"The town is full of character, and I felt welcomed on my first visit to St Andrews. Geography encourages you to think differently about people and places. Studying Geography at this university is a challenging yet rewarding experience. The class environment is intimate and friendly and there is a close-knit and open support system in the School."

Stephanie (Hong Kong)

Geography

🔗 www.st-andrews.ac.uk/subjects/geography
gsd@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 an historic focus on 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 wide range of specialist modules, all taught by experts in their field. You will also be trained in high-level research skills, including quantitative, qualitative, GIS and fieldwork methods, equipping you to carry out your own research dissertation guided by one-to-one supervision.

Additional costs

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

Study abroad

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

Accreditation

Both the BSc and MA in Geography are accredited by the Royal Geographical Society.

Careers

Reflecting the broad nature of Geography, graduates leave 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, education, tourism and leisure, planning and development, business and finance, security analysis, as well as 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.



Irvine Building



"I love the fact that Geography covers such a wide range of topics and the staff are so friendly and supportive. The tutorial groups are small, so you feel comfortable getting involved and I felt like a valued participant. The field trips were loads of fun and helped me get to know classmates and lecturers better."

Audrey (Dundee, Scotland)

German

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

See also **Modern Languages**



Reichstag, Berlin

Available degree options

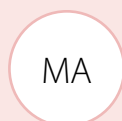
All the degrees are available With Integrated Year Abroad

Previous knowledge of subject required? No



Single Honours

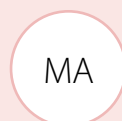
German



Joint Honours

German and one of **25** other subjects

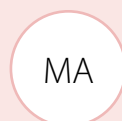
See Arts combinations, pages 172-173



Triple Honours

German and two other modern languages
German and one other modern language and another subject

See Triple combinations, pages 132-133



'With' Honours

Economics with German

Studying another language requires us to think about cultural differences and question our own perspectives. With German at St Andrews, you will develop your language skills to a high level, while learning to think critically about German history and today's world.

- The German programme at St Andrews is broad, covering German studies from the Middle Ages to the present day. You can take specialist modules in diverse areas, from translation to film and literature, medieval culture and East Germany.
- You can combine German with one or two languages, Comparative Literature, or with subjects as diverse as English, Psychology, Management or International Relations.
- You can start as a beginner, or with National 5 or GCSE qualifications, as well as with Highers, A-Levels or IB.

What will I study?

You will develop your proficiency in both spoken and written German, working on a range of current and historical topics as well as translation and grammar.

You will also study the literary, cultural and intellectual history of the German-speaking world in depth. The German Department covers a range of specialisms, from medieval studies to the present day, literature and film to philosophy and visual culture.

First year

On our intensive beginners' course, you will focus on building language skills. If you have previous qualifications in German, the advanced course develops speaking and listening, reading and writing skills while introducing you to German literature, culture and history from 1945 to the present day.

Second year

The language course builds on, and consolidates, knowledge gained in first year. Classes cover German literature, culture and history in the Middle Ages, the late 18th century, the age of unification and Weimar Germany. By 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 will be prepared for work or study abroad, should you choose to do so.

Third and fourth years (Honours)

You will continue to build German language skills, including advanced oral, writing and communication. For the rest of your programme you can choose from a wide variety of modules that draw on staff members' individual research at the cutting edge of the subject. Recent topics include the Nazi past in German cultural memory, Shakespeare in Germany, Medieval Things, masculinity in today's Germany and German environmental thought.

Study or work abroad

You can choose to apply to study or work abroad as part of your degree. German students may also participate in the University-wide St Andrews Abroad programme. Further information on page 129 and online at: www.st-andrews.ac.uk/study-abroad

Entry requirements

These grades are the overall standards required to consider you for entry. You can find out more about Standard, Minimum and Gateway entry requirements on page 167.

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

SQA Highers:

- Standard entry grades AAAB
- Minimum entry grades AAB
- Gateway entry grades BBBB

GCE A-Levels:

- Standard entry grades AAB
- Minimum entry grades ABB

International Baccalaureate:

- Standard entry grades 36 (HL 6,6,5)
- Minimum entry grades 36 (HL 6,5,5)

"Studying German here is a wonderful experience – there is always an exciting aspect of the language, history, or culture to explore. The constant support of staff, coupled with the opportunity to study with students from all over the world in small classes, creates a very welcoming atmosphere both in and outside the classroom."

Zoë (Glasgow, Scotland)
Pictured opposite

History

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

See also **Ancient History (& Archaeology)**, **Medieval History**, **Middle East Studies**, **Modern History**, **Scottish History**



St Katharine's Lodge

Available degree options

Previous knowledge of subject required? Yes, History

MA

Single Honours

History

BA

International Honours

History

See entry requirements and other information, page 30

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 broad variety 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, Medieval or Scottish History within the School of History. Ancient History is available within the School of Classics.
- History is ranked second in the UK by *The Times* and *The Sunday Times Good University Guide 2022*.
- 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 modules in each of two of the following historical periods: Ancient (pre-500 CE), Medieval (500 to 1500) and Modern (post-1500).

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

What will I study?

First- and second-year modules 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 to 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 may apply to 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, armed forces, service industries, the financial sector, the arts and the media.

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

Entry requirements

These grades are the overall standards required to consider you for entry. You can find out more about Standard, Minimum and Gateway entry requirements on page 167.

🔗 www.st-andrews.ac.uk/subjects/entry

SQA Highers:

- **Standard entry grades AAAAB** including A in History.
- **Minimum entry grades AAB** including B in History.
- **Gateway entry grades BBBB**

GCE A-Levels:

- **Standard entry grades AAA** including A in History.
- **Minimum entry grades ABB** including B in History.

International Baccalaureate:

- **Standard entry grades 38 (HL 6,6,6)** including HL6 in History.
- **Minimum entry grades 36 (HL 6,5,5)** including HL5 in History.

"This is a small and welcoming community. You can take a wide range of modules and combine those in History with modules from other Schools and Departments in your first two years. There is also the ability to combine studying here with exchange programmes in Europe or beyond, which provides a fantastic undergraduate experience."

Alfie (Somerset, England)

History – Medieval History

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

See also **Ancient History (& Archaeology), History**



Department of Medieval History

Available degree options

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



Single Honours

Medieval History
 Medieval History & Archaeology



Joint Honours

Medieval History and one of **23** other subjects

See Arts combinations, pages 172-173



'With' Honours

Medieval History with Bible and Culture
 Medieval History with Persian

You will engage with sophisticated modes of thought and expression across medieval Europe and the Middle East and can select from modules on a variety of historical issues and geographical locations to suit your interests.

- St Andrews has one of the largest concentrations of internationally recognised medieval specialists in the world.
- You will have a very wide range of subject choices in Medieval History, ranging from Ireland to Armenia, and from the fourth to the fifteenth centuries.
- An unparalleled interdisciplinary research environment means that you will be taught by many staff who are leaders in their field.
- Studying Medieval History offers you the opportunity to explore medieval 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 medieval heritage, making it an apt and inspiring choice of location for your studies.
- For Study Abroad information, see page 99.

Medieval History & Archaeology

After taking the third-year core module in the principles and techniques in archaeology, you select topics in archaeology and in the history of the medieval period of your choice. You have the chance to attend the Summer School at the British School of Rome.

Medieval History

Medieval 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 medieval period (c.500 to 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 medieval Europe from the 11th

through the 14th 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 more than 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 15th century, and women and gender in later medieval 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.

Entry requirements

These grades are the overall standards required to consider you for entry. You can find out more about Standard, Minimum and Gateway entry requirements on page 167.

📄 www.st-andrews.ac.uk/subjects/entry

SQA Highers:

- **Standard entry grades AAAAB** including A in History.
- **Minimum entry grades AAB** including B in History.
- **Gateway entry grades BBBB**

GCE A-Levels:

- **Standard entry grades AAA** including A in History.
- **Minimum entry grades ABB** including B in History.

International Baccalaureate:

- **Standard entry grades 38 (HL 6,6,6)** including HL6 in History.
- **Minimum entry grades 36 (HL 6,5,5)** including HL5 in History.

"You will be taught by fantastic, truly engaging people. Medieval history is all about interpreting scanty, challenging sources, so it is a surprisingly creative discipline. The diverse research interests of the staff, from early medieval linguistics to the history of emotions, mean you are always exploring the adventurous outer limits of traditional history."

William (West Sussex, England)
 Pictured opposite

History – Modern History

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

See also **History**



Students in the King James Library

Available degree options

Previous knowledge of subject required? Yes, History

MA

Single Honours

Modern History

MA

Joint Honours

Modern History and one of **28** other subjects

See Arts combinations, pages 172-173

MA

'With' Honours

Modern History with Bible and Culture
 Modern History with Persian

You will analyse global historical events over the past 500 years from a present-day context. You can 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 modules covering a very broad chronological, geographical and thematic range.
- The modern era comprises the period from around 1450 to the 21st century, and modules 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.
- For Study Abroad information, see page 99.

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 18th century. You will also explore themes in late modern history, covering the period from 1776 until the turn of the 21st century. Both modules explore various topics, including the development of modern states, war and empire, alongside various key aspects of cultural, social, economic 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 (Honours)

In third year, you will usually study two modules 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 19th and 20th 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 20th-century Germany, and the development of the city in East and Southeast Asia from the mid-19th to mid-20th 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

These grades are the overall standards required to consider you for entry. You can find out more about Standard, Minimum and Gateway entry requirements on page 167.

🔗 www.st-andrews.ac.uk/subjects/entry

SQA Highers:

- **Standard entry grades AAAAB** including A in History.
- **Minimum entry grades AAB** including B in History.
- **Gateway entry grades BBBB**

GCE A-Levels:

- **Standard entry grades AAA** including A in History.
- **Minimum entry grades ABB** including B in History.

International Baccalaureate:

- **Standard entry grades 38 (HL 6,6,6)** including HL6 in History.
- **Minimum entry grades 36 (HL 6,5,5)** including HL5 in 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

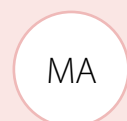
See also **History**



St Salvator's Quadrangle

Available degree options

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



Single Honours

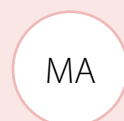
Scottish History



Joint Honours

Scottish History and one of **11** other subjects

See Arts combinations, pages 172-173



'With' Honours

Scottish History with Bible and Culture

This programme 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 20th 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 modules on offer.
- For Study Abroad information, see page 99.

What will I study?

In the first two years you will study the history of Scotland in modules 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 modules are chosen from those offered in the School of History and will encourage you to place Scotland's history within a wider context.

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 modules 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 modules on a wide range of periods and approaches. They have included Scotland and Ireland during the Dark Ages, the importance of the castle in medieval Scotland, and women in Scottish society from the 19th century to 1970. In third year you will normally study two optional modules per semester.

As a Single Honours Scottish History student, in fourth year you will take one further optional module 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

These grades are the overall standards required to consider you for entry. You can find out more about Standard, Minimum and Gateway entry requirements on page 167.

🔗 www.st-andrews.ac.uk/subjects/entry

SQA Highers:

- **Standard entry grades AAAAB** including A in History.
- **Minimum entry grades AAB** including B in History.
- **Gateway entry grades BBBB**

GCE A-Levels:

- **Standard entry grades AAA** including A in History.
- **Minimum entry grades ABB** including B in History.

International Baccalaureate:

- **Standard entry grades 38** (HL 6,6,6) including HL6 in History.
- **Minimum entry grades 36** (HL 6,5,5) including HL5 in History.

"Being taught by some of the leading historians in the field has enriched my enjoyment of a subject that I already found fascinating. The level of support provided for students is very high. There is always someone to contact when a problem occurs, whether academic or of a personal nature."

Katrina (Fife, Scotland)

International Relations

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



School of International Relations

Available degree options

Previous knowledge of subject required? No

MA	MA	MA	BA
Single Honours	Joint Honours or 'With'	Triple Honours	International Honours
International Relations	International Relations and one of 29 other subjects International Relations with Persian	International Relations and two modern languages	International Relations
	See Arts combinations, pages 172-173	See Triple combinations, pages 132-133	See entry requirements and other information, page 30

International Relations as a discipline enables you to explore foreign policy, international institutions, political theory, political economy, political science and diplomatic history 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 is ranked first in the UK by the *Guardian University Guide 2022* and has been for the last eight years.
- We are ranked first in the UK in *The Times* and *The Sunday Times Good University Guide 2022*.
- You will study in a School that has a long-established international reputation for its high-quality teaching and research, consistently achieving high rankings 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 learn directly from renowned experts specialising in a range of subject areas and geographical regions. Our research-led teaching 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 modules, 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 underpins these strengths, where our world-leading specialists bring their pioneering research directly into our classrooms.

Entry requirements

These grades are the overall standards required to consider you for entry. You can find out more about Standard, Minimum and Gateway entry requirements on page 167.

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

SQA Highers:

- Standard entry grades AAAAB
- Minimum entry grades AABB
- Gateway entry grades BBBB

GCE A-Levels:

- Standard entry grades AAA
- Minimum entry grades ABB

International Baccalaureate:

- Standard entry grades 38 (HL 6,6,6)
- Minimum entry grades 36 (HL 6,5,5)

"Most important to me has been the support system that I've been surrounded with, both through my friends and the University. The tutors and lecturers have been very approachable, helpful and supportive which has encouraged me to do better and work harder. Always dream big, because I never thought I would be capable of achieving the things that I have experienced and attained thus far."

Tia (Jakarta, Indonesia)
Pictured opposite

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.

From that basis you will go on to analyse foreign policy and diplomacy, considering how countries make foreign policy by examining the role of institutions, culture and society.

Second year

You will examine the more advanced theories underpinning the study of international relations. You will then also explore the major issues and challenges that confront those within the world of international politics.

Honours (third and fourth) years

We provide specialist knowledge in various areas or single country studies (spanning Africa, Asia, the Middle East, the EU, Latin America and the USA) and a variety of sub-disciplines (for instance, peacekeeping and peacebuilding, terrorism and political violence, global civil society, international law, international organisations, globalisation 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, human rights and aesthetics.

Study abroad

International Relations students may apply to 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.

Our 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, armed forces, civil services, JP Morgan, Shell, KPMG, Cisco, Nomura, Deloitte and PwC.
- often go on to further study. The School offers a range of one-year MLitt programmes (in International Political Theory; International Security Studies; Middle East, Caucasus and Central Asian Security Studies; Peacebuilding and Mediation; Strategic Studies; and Terrorism and Political Violence), as well as advanced MPhil and PhD programmes.



School of International Relations tutorial



"The degree offers a thorough introduction to theory both in international relations and in the social sciences more broadly, meaning that I have gained frameworks of analysis applicable to both the classroom and real-life scenarios. It is incredible to realise that the same people I know as dedicated and enthusiastic teachers are also at the forefront of research and scholarship in the subject."

William (Massachusetts, USA)

Italian

🔗 www.st-andrews.ac.uk/subjects/italian
italianhod@st-andrews.ac.uk

See also **Modern Languages**



The Trevi Fountain, Rome

Available degree options

All the degrees are available With Integrated Year Abroad

Previous knowledge of subject required? No

MA

Single Honours

Italian

MA

Joint Honours

Italian and one of **26** other subjects

See Arts combinations, pages 172-173

MA

Triple Honours

Italian and two other modern languages
Italian and one other modern language
and another subject

See Triple combinations, pages 132-133

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.

- Ranked second in the UK by the *National Student Survey 2021* 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, with most of our students entering 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 provides a solid grounding in both language and culture, and equips 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, transnational writing and culture, 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 elements of Italian culture and literature from a range of periods and genres and have the opportunity to work independently.

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, you will enhance your linguistic as well as your analytical 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.

You will be able to study in depth an extremely wide variety of periods and aspects of Italian culture and literature.

Study or work abroad

You can choose to apply to study or work abroad as part of your degree. Italian students may also participate in the University-wide St Andrews Abroad programme. Further information on page 129 and online at: www.st-andrews.ac.uk/study-abroad

Entry requirements

These grades are the overall standards required to consider you for entry. You can find out more about Standard, Minimum and Gateway entry requirements on page 167.

🔗 www.st-andrews.ac.uk/subjects/entry

SQA Highers:

- Standard entry grades AAAB
- Minimum entry grades ABBB
- Gateway entry grades BBBB

GCE A-Levels:

- Standard entry grades AAB
- Minimum entry grades ABB

International Baccalaureate:

- Standard entry grades 36 (HL 6,6,5)
- Minimum entry grades 36 (HL 6,5,5)

"A year away being on the other side of the classroom was truly a gripping experience. I wanted to develop new professional skills and was lucky to be placed in a middle school in Verona. Throw yourself in and say yes to new opportunities as it will really build your confidence."

Freya (Bridgend, Wales)
Pictured opposite

Management

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



School of Management

Available degree options

Previous knowledge of subject required? No

BSc	MA	BSc	MA	MA
Single Honours	Joint Honours	Joint Honours	Joint Honours	Triple Honours
Management	Management and one of 4 other subjects	Management and one of 19 other subjects	Management and two modern languages	
See Cross-Faculty subjects, page 5	See Science combinations, page 174	See Arts combinations, pages 172-173	See Triple combinations, pages 132-133	

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 businesses and management function.

- Management is ranked first in the UK in *The Times and The Sunday Times Good University Guide 2022*, and second in the *Complete University Guide 2022*.
- There is a strong multidisciplinary approach to Management.
- You will develop critical thinking, self-reliance, research and graduate attributes that will enhance your employability.
- There is a large portfolio of degrees offered (MA, BSc, Single Honours, Joint Honours or Triple Honours).
- You will encounter 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 of the economy and will teach you to understand techniques which are subject-specific including marketing, organisational behaviour and analysis of 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 practising management.

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

First year

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

You will be introduced to two key aspects of management in the external and internal environment: 1) understanding the business environment, and 2) people and organisations.

You will examine some of the main analytical approaches and techniques required by managers and be introduced to financial accounting concepts and techniques.

Second year

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

You will first examine the conceptual frameworks and techniques of marketing and organisational behaviour. You will then examine some of the alternative perspectives on management and the changing policy and business environment for organisations, engaging with accounting from a broader sociological perspective.

Entry requirements

These grades are the overall standards required to consider you for entry. You can find out more about Standard, Minimum and Gateway entry requirements on page 167.

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

SQA Highers:

- Standard entry grades AAAAB
- Minimum entry grades AABB
- Gateway entry grades BBBB

GCE A-Levels:

- Standard entry grades AAA
- Minimum entry grades ABB

International Baccalaureate:

- Standard entry grades 38 (HL 6,6,6)
- Minimum entry grades 36 (HL 6,5,5)

"Management strikes the perfect blend between a tangible education on business acumen and a scholarly exploration of organisation theory. I have found it to be an incredibly well-rounded degree programme. The University has a knack of attracting incredibly thoughtful and kind people and St Andrews will be a home to me forever."

Manahil (Geneva, Switzerland)
Pictured opposite

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 modules:

The first one examines major organisational theories, surveys key topics in this area, and explores organisational forms that have emerged in recent times.

The other provides a learning experience in which you can understand and respond to current and likely future challenges that you will face in the near and intermediate future as a manager and citizen.

If you decide to take Management (Single Honours) in your third and fourth years, you will also take two more compulsory modules:

The first one focuses on the skills and knowledge involved in understanding, evaluating and conducting research in the management field.

The second one applies learning and builds key competencies in library search, problem definition, literature review and research design.

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

- Advertising and marketing communication
- Behavioural decision making
- Corporate finance and control
- Corporate social responsibility, accountability and reporting
- Equality and diversity in organisations
- Financial markets and investments
- Human resource management
- International business
- International marketing
- Management of change.

Our degree programmes in Management

You will receive advanced training in quantitative and qualitative techniques that are relevant to the analysis of managerial problems. Presentation skills, group working, and self-reliance provide vocational relevance and preparation for life beyond graduation.

Our degrees in Management develop an understanding of core organisational issues as well as developing key transferable skills and graduate attributes. They are designed to equip our 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 our students to become both socially and environmentally aware, and encourages them to be self-reliant, critical and creative thinkers.

The MA degree caters for students who wish to pursue 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 would be appropriate.

Study abroad

Management students may apply to 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, consultancy, marketing, accountancy and the financial services industry. Employment has been secured in a wide variety of internationally recognised 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.

Many Management graduates continue their education by enrolling into further study at Masters and PhD level in the UK and beyond.



The Gateway building



"It is inspiring to hear from highly-accomplished and highly-published academics. The size of the School of Management gives studying here a personal feel: you get the chance to connect with your lecturers who really care about your development and continue to remember you throughout your time here."

Frazer (Scottish Borders, Scotland)

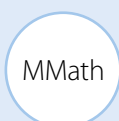
Mathematics & Statistics

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



Available degree options

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



Integrated Masters

Mathematics
Applied Mathematics
Pure Mathematics
Statistics



Single Honours

Mathematics
Statistics

See Cross-Faculty subjects,
page 5



Joint Honours BSc

Mathematics and one
of **9** other subjects
Statistics and one of **6**
other subjects

See Science combinations,
page 174



Joint Honours MA

Mathematics and one
of **21** other subjects
Statistics and one of **3**
other subjects

See Arts combinations,
pages 172-173



'With' Honours BSc

Mathematics with
Geography

'With' Honours MA

Mathematics with
Russian
Mathematics with
Spanish



Joint Integrated Masters

Mathematics and Theoretical
Physics (MPhys)
Chemistry with Mathematics
(MChem)



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.

- A stimulating environment, with teaching by world-class researchers.
- A wide variety of degree programmes and modules is offered.
- Outstanding tutorial support, especially in first and second year.
- Mathematics at St Andrews is ranked highly in all the major UK league tables: second in the *Guardian University Guide 2022*, third in *The Times* and *The Sunday Times Good University Guide 2022*, third in the *Complete University Guide 2022*.

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 modules in mathematics. There is one compulsory mathematics module, which will extend and enhance your skills in algebraic manipulation and in differential and integral calculus, develop your geometric insight and your understanding of limiting processes, and introduce you to complex numbers and matrices. We offer three further modules, one of which provides an

introduction to mathematics, another covers a wide variety of topics in pure and applied mathematics, and another module concentrates on statistics.

Second year

We offer eight modules 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 modules 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 modules include graph theory, fractal geometry, dynamical systems, solar theory, financial mathematics and Bayesian inference.

In your final year, you will be required to investigate a topic of your choice in some depth, submit a written dissertation and give a presentation, all under the supervision of a staff member who is a leading expert in the area of your project.

Entry requirements

These grades are the overall standards required to consider you for entry. You can find out more about Standard, Minimum and Gateway entry requirements on page 167.

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

SQA Highers:

- Standard entry grades AAAAB
- Minimum entry grades AAB

Must include A in Mathematics.

GCE A-Levels:

- Standard entry grades A*A*A
- Minimum entry grades A*AB

Must include A* in Mathematics.

International Baccalaureate:

- Standard entry grades 38 (HL 6,6,6)
- Minimum entry grades 36 (HL 6,5,5)

Must include HL6 in Mathematics.

Direct entry to second year

SQA Highers/Advanced Highers:

- Advanced Highers AA including Mathematics, plus Highers AAAAB

GCE A-Levels:

- A*A*A including A* in Mathematics and A in Further Mathematics.

International Baccalaureate:

- 39 (HL 6,6,6) including HL6 in Mathematics: Analysis and Approaches.

"The School provides plenty of opportunities for you to get involved with maths beyond lectures and tutorials. There are optional talks, research scholarships, mentoring and study support schemes and dedicated social events for Mathematics students and staff."

Tom (Dijon, France)
Pictured opposite

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 modules described on the previous page, we teach around 20 more advanced modules, each of which is delivered by a research-active specialist in the field.

Direct entry into second year

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, completing a BSc in three years or an MMath in four years. You may also have the opportunity to study abroad, after either one- or two-years' study at St Andrews.

Our degree programmes:

Mathematics

This degree allows you to study the full range of modules we offer in Pure Mathematics, Applied Mathematics, and Statistics, as described in 'What will I study?' on the previous page.

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.

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 data. There are many practical applications for statistics, including fields such as science, medicine, government, business and education.

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.

Study abroad

Mathematics and Statistics students may apply to participate in the University-wide St Andrews Abroad programme. For information about study abroad options, please see:

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

Scholarships

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

Careers

Demand for mathematically trained graduates vastly outstrips the supply, hence career prospects are excellent in a variety of fields.

Recruiters seek numerate graduates who are literate, think logically, write and present well, and can work with relevant technology. Our degrees develop all of these skills.

A Mathematics or 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 at St Andrews, and some go into teaching.



Social space, School of Mathematics & Statistics



"I am interested in pure mathematics and especially algebra and combinatorics but came with a limited knowledge and so I love being taught by experts in those areas. The positive atmosphere as well as the approachable teaching style is something that has helped me immensely in my studies and has boosted my enjoyment for my subject even further."

Marina (Athens, Greece)

Medicine

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



Special senses anatomy session

Available degree options

Previous knowledge of subject required? Yes, Chemistry

BSc

Single Honours

Medicine
– leading to MB ChB/MBBS
at a partner medical school

MB ChB

ScotGEM Programme

This graduate entry
programme is only open to
those classified as Home and
RUK for fee status purposes

See pages 124-125

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 degree also provides early, relevant clinical experience.

- Students on the BSc (Hons) Medicine 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 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 include anatomy facilities for full body dissection, clinical skills suites and integrated technology support for your learning.
- The School of Medicine 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, 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. 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 programme.

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

These grades are the overall standards required to consider you for entry. You can find out more about Standard, Minimum and Gateway entry requirements on page 167.

www.st-andrews.ac.uk/subjects/medicine/medicine-bsc-a100

SQA Highers:

- Standard entry grades AAAAB
- Minimum entry grades AAABB
- Gateway to Medicine entry grades BBBB

Must include Chemistry and Biology (or Human Biology), or Mathematics or Physics, plus National 5 grade B in Biology (or Human Biology) and Mathematics and English if not passed at Highers.

GCE A-Levels:

- Standard entry grades AAA
 - Minimum entry grades AAB
- Must include Chemistry and (Biology or Mathematics or Physics), plus GCSE (5) in (Biology, Mathematics and English) if not passed at AS or A-Levels.

International Baccalaureate:

- Standard entry grades 38 (HL 6,6,6 plus SL 6,6,6)
 - Minimum entry grades 36 (HL 6,6,5 plus SL 6,6,5)
- Must include HL in Chemistry and (Biology or Mathematics or Physics), plus SL in (Biology, Mathematics and English) if not passed at HL.

"The opportunity to meet patients early on in the programme has really boosted my confidence and communication skills. On placements I love chatting to patients and practising taking histories from them, supported by a tutor."

Ioan (Flintshire, Wales)

Medicine

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

First year

You will study the interrelationships between the medical sciences. You will receive an overview of the structure and functions of the body systems, both microscopically and macroscopically. Additionally, you will be introduced to key themes which run throughout the whole programme (for example 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 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 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 specialities available in the UK. Advice on careers in the NHS will be available throughout the course.

- Canadian students on the A990 route are eligible to apply to enter Foundation Year Training in the UK (subject to Scottish Government changes) or the Canadian Resident Matching Service (CaRMS). Students receive specific mentoring and training in preparation for applying to the CaRMS, including an attachment in Alberta during the final three years.

Accreditation

The BSc (Hons) Medicine is externally accredited by the General Medical Council 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

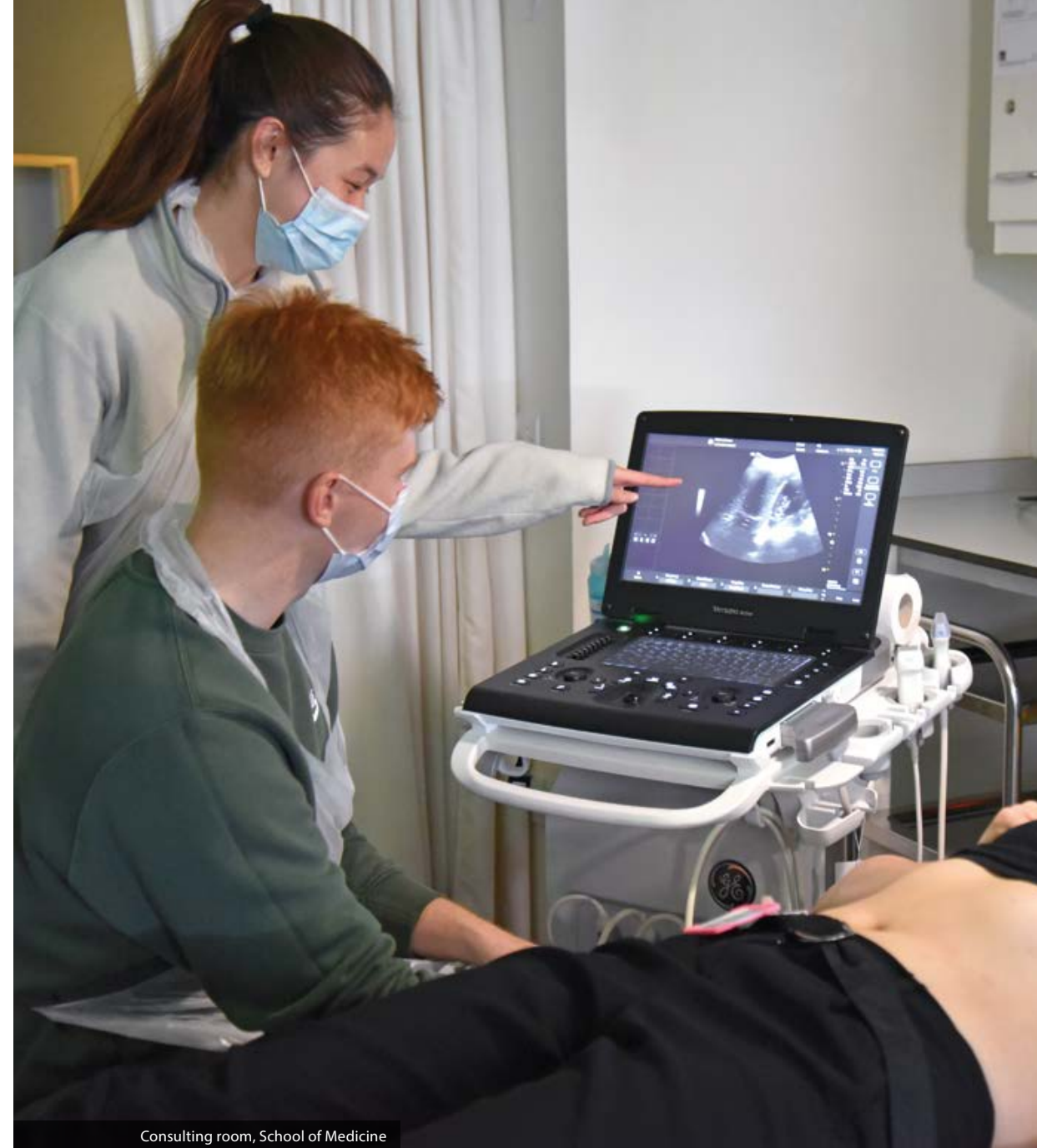
The University offers this one-year programme taught in the Faculty of Science. This programme provides the opportunity for students resident in Scotland, who have completed S5 at school, to study at first-year undergraduate level, instead of returning to school for S6. Applicants who are 'overseas' for fee purposes are not eligible to apply. For more information about the Gateway to Medicine, please see:

www.st-andrews.ac.uk/subjects/medicine/gateway-to-medicine

International Pre-Med

This is a 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 Pre-Med Programme, please see:

www.st-andrews.ac.uk/subjects/ifp/
[medical-sciences-september](http://www.st-andrews.ac.uk/medical-sciences-september)



Consulting room, School of Medicine



"I love the challenging nature of Medicine here. My favourite aspect is the fact that we get to do dissection from first year, so I have an in-depth knowledge of the anatomical structures within the body. Moving abroad was one of the best decisions I have ever made; it has allowed me to become more independent and meet people from all parts of the world."

Anna (Ontario, Canada)

Medicine – ScotGEM

🔗 www.st-andrews.ac.uk/subjects/medicine/scotgem-mbchb
scotgem-admissions@st-andrews.ac.uk

- ScotGEM is the only medicine programme of its kind in Scotland. This four-year programme is tailored to meet the contemporary and future needs of the NHS in Scotland, with a focus on clinical generalism and rural practice.
- Scottish Graduate Entry Medicine (ScotGEM) is a joint programme run by the universities of St Andrews and Dundee, in collaboration with the University of Highlands and Islands and four NHS Boards in Scotland (Dumfries & Galloway, Fife, Highland and Tayside). First and second years are led by the University of St Andrews, third and fourth years are led by the University of Dundee.
- The curriculum employs exciting educational innovations. First- and second-year students learn via case-based learning with clinical placements. Third-year students undertake a year-long 'longitudinal integrated clerkship' based in a GP practice in Scotland, some of which are remote and rural in nature. Fourth year provides students with an increase in hospital experience, in readiness for working as a Foundation doctor.

What will I study?

ScotGEM is an intensive undergraduate programme, designed specifically for graduate learners. You will study foundation sciences, become skilled in clinical interactions and be given the opportunity to apply your knowledge and skills in the clinical context from week one. Alongside the core of the programme, ScotGEM aims to equip you with the skills to be able to influence change for the communities you will serve as a doctor (Agents of Change). Each year you will undertake projects where you improve services for people and their families and you will spend time in third-sector organisations experiencing wider social determinants of health.

First year

Your first year is based in St Andrews and NHS Fife. You will use clinical cases provided by clinicians to trigger your learning in specific areas of medicine. A focus on foundational medical sciences will subsequently underpin more challenging cases and a bespoke Clinical Interactions Course. You will be able to apply your knowledge and skills in weekly clinical placements with our general clinical mentors (GCMs) in NHS Fife.

Second year

This follows a similar format to first year, but with the introduction of more complex cases led by our GCMs and the addition of more clinical experience in secondary care environments, as well as the ongoing clinical interactions course. You will rotate around the regions and have placements, of six to twelve weeks, learning with our NHS partners in Dumfries, Fife and Inverness.

Third year

In third year, you will join a General Practice in one of our four partner Health Board regions in Scotland (Dumfries & Galloway, Fife, Highland or Tayside) and follow patients through their illness journey over the course of a year, gathering experience in primary and secondary care. This approach has been shown to develop more patient-centred doctors and with improved decision-making skills.

Fourth year

In your final year, you will have increased exposure to the hospital environment in preparation for work as a Foundation doctor. You will complete a two-month Foundation apprenticeship as well as other hospital-based clinical attachments. You may also be able to arrange an eight-week period of clinical practice (elective) which can take place anywhere in the world and will be focused on your own interests.

MB ChB

(Bachelor of Medicine, Bachelor of Surgery)

ScotGEM graduates will receive an MB ChB, which is a primary medical qualification (PMQ). As is usual with new programmes of medical education, ScotGEM is subject to approval by the General Medical Council (GMC). The process of accreditation comprises eight stages, of which ScotGEM has reached the penultimate stage. Stage 8 is expected to be completed prior to graduation of the first cohort of students in June 2022. The MB ChB degree will be awarded jointly by the universities of St Andrews and Dundee.



Clinical skills

Careers

ScotGEM is designed for those interested in a 'generalist' career, which includes any type of general consultant post as well as General Practice. All students will spend some time studying in rural settings and it uniquely suits those with a focus on rural Scotland. As a ScotGEM graduate you will be eligible for provisional registration with the GMC and to apply to enter Foundation Year training within the UK. Advice on careers in the NHS will be available throughout the course.

Entry requirements

Degree: 2.1 Honours degree in either Arts or Science.

SQA Highers / GCE Advanced (A2) Level: Chemistry at grade B.

SQA National 5 / GCSE: Mathematics National 5 grade B / Standard Grade at Credit 2 / Intermediate 2 at grade B / GCSE at grade B.

Aptitude Test: GAMSAT (in either the year of application or the previous year).



"Gaining practical, clinical experience has been the best and the most enjoyable way to learn. I was in a local practice with a highly experienced GP as a mentor: seeing patients from my very first week was a real privilege. I have chosen to go on rotation into rural areas which I have really enjoyed as it is a rich and varied experience."

Andrew (Renfrewshire, Scotland)

Middle East Studies

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

See also **Arabic, History, Persian**



Istanbul, Turkey

Available degree options

Previous knowledge of subject required? Yes, History

MA

Joint Honours

Middle East Studies and one of **16** other subjects

MA

Triple Honours

Middle East Studies-Arabic-Persian subjects

See Arts combinations, pages 172-173

You will engage with the history, politics, cultures and languages of the Middle East, with options ranging from the study of pre-Islamic Iran and the rise of Islam through the Abbasid, Byzantine, Seljuk, Mongol, Ottoman and Safavid Empires to the 20th-century Middle East.

- The opportunity to study the history of the Middle East at undergraduate level is a distinctive aspect of the History programme at St Andrews. 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 Eastern and African Studies at St Andrews is ranked first in the UK according to *The Times and The Sunday Times Good University Guide 2022*.
- 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, although you need to have studied History. All resources are supplied in English.
- You may specialise in the medieval or modern periods and choose from a wide range of Middle Eastern topics covering a variety of eras and cultures.
- For Study Abroad information, see pages 43 and 99.

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 take two first-year History modules (in Ancient, Medieval or Modern History).

Second year

You will take two History modules, one of which will be the compulsory introduction to Middle Eastern History.

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 Armenia in the early medieval period, the transformation of the Middle East in the seventh century, 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 14th to the 18th centuries, and the development of modern Iran since 1921.

In fourth year, you will take a year-long Special Subject. Examples include Byzantium in the tenth century, politics, society and culture from medieval Anatolia and the Fourth Crusade to the establishment of the Ottoman empire, interactions between the Latin west and the powers and cultures of the Near East and beyond during the 13th century, the Mongol world empire and the relationship between Britain and Iran in the modern period.

Entry requirements

These grades are the overall standards required to consider you for entry. You can find out more about Standard, Minimum and Gateway entry requirements on page 167.

✉ www.st-andrews.ac.uk/subjects/entry

SQA Highers:

- **Standard entry grades AAAAB** including A in History.
- **Minimum entry grades AABB** including B in History.
- **Gateway entry grades BBBB**

GCE A-Levels:

- **Standard entry grades AAA** including A in History.
- **Minimum entry grades ABB** including B in History.

International Baccalaureate:

- **Standard entry grades 38 (HL 6,6,6)** including HL6 in History.
- **Minimum entry grades 36 (HL 6,5,5)** including HL5 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, Chinese Studies, Comparative Literature, French, German, Italian, Persian, Russian, Spanish**



Coastal path near St Andrews

Available degree options

Previous knowledge of subject required?
Only for **French**

MA

Single Honours

French
German
Italian
Russian
Spanish

MA

Joint Honours

The following can be combined with a range of other subjects

Arabic
Chinese Studies
Comparative Literature
French
German
Italian
Persian
Russian
Spanish

See Arts combinations, pages 172-173

MA

Triple Honours

The following can be combined with each other or with a range of other subjects

Arabic
Comparative Literature
French
German
Italian
Persian
Russian
Spanish

See Triple combinations, pages 132-133

You will develop a high level of proficiency in the language you choose to study, and you will also be able to pursue your own specific interests, including culture, history, film, literature and politics.

- Modern Languages at St Andrews is ranked third in the UK by the *Guardian University Guide 2022* and by *The Times and The Sunday Times Good University Guide 2022*.
- Our modern language programmes 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 medieval 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.
- The Multi-Media Centre houses a modern digital language laboratory.
- You can start as a complete beginner in Arabic, Chinese, German, Italian, Persian, Russian and Spanish.
- If you study one or more languages, as part of your degree you may be able to visit the countries where the languages you study are spoken.
- We have a very active and dynamic student community, and a range 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.

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 the Subject list on page 175.

Triple Honours combinations

You can combine the study of two languages with a third non-language subject or the study of three languages in one degree programme. 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 more of the countries where the languages you study are spoken. Most of the languages taught in our School can be combined in a triple subject degree, and you will be able to decide at the end of your second year in which area or subject you want to specialise.

Study abroad

We have successful partnerships with distinguished international institutions which you may be able to 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 may 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

Entry requirements

These grades are the overall standards required to consider you for entry. You can find out more about Standard, Minimum and Gateway entry requirements on page 167.

🔗 www.st-andrews.ac.uk/subjects/entry

SQA Highers:

- Standard entry grades AAAB
- Minimum entry grades AAB
- Gateway entry grades BBBB

GCE A-Levels:

- Standard entry grades AAB
- Minimum entry grades ABB

International Baccalaureate:

- Standard entry grades 36 (HL 6,6,5)
- Minimum entry grades 36 (HL 6,5,5)

French has slightly different requirements from those above and must always include A (B for Gateway) or HL6 in French.

"I love that our language lessons are based on the study of news articles, recently published books, songs or movies. Being taught in small groups really allows us to debate and discuss with one another. Studying Italian and Spanish has allowed me to consider foreign sources when writing my International Relations essays, and to communicate with scholars and students from abroad when working on projects."

Louise (Vaucluse, France)
Pictured opposite

Modern Languages

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

With Integrated Year Abroad (WIYA)

You may spend your third year working in a country where the relevant language is spoken. The WIYA option is open to students in Arabic, Chinese Studies, French, German, Italian and Spanish. With your Department's advice 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. 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 degree programme.

Russian students may also participate in the WIYA programme, but students would spend the full year studying rather than working in Russia.

Multi-Media Centre (MMC)

The MMC digital language laboratory plays 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.

Employers value our graduates not only because they demonstrate excellent communication, interpersonal and intercultural skills, but also because language graduates are independent and self-sufficient employees, with initiative, resilience, and highly developed problem solving, research, and analytical 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 their studies at postgraduate level.

All our language Departments offer Masters and research degrees. 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 laboratory 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)



"I spent my year abroad at the foot of the French Alps in Grenoble working in a lycée as an English Language assistant. In my spare time I explored the region and even tried skiing for the first time. It really was a unique experience."

Alexander (Arabic and French)



"I spent my study abroad at the University of Alcalá just outside Madrid. It was an amazing experience – from meeting new people, to getting involved in various events, trying new food and experiencing life in a different country."

Megan (Modern History and Spanish)



"For my year abroad, I undertook a work placement at the Volkswagen global headquarters in Wolfsburg, Germany. I was responsible for translating a wide range of texts, from complex legal documents to tweets! It was a fantastic insight into the professional world and one I will never forget."

Sam (Arabic, French and German)

Modern Languages

Triple subject combinations

	Ancient History	Arabic – also WIYA	Classical Studies	Comparative Literature	English	French – also WIYA	German – also WIYA	Greek	International Relations	Italian – also WIYA	Latin	Management	Middle East Studies	Persian	Russian – also WIYA	Social Anthropology	Spanish – also WIYA
Arabic and:																	
Comparative Literature					3	3			3					3		3	
French – also WIYA	3		3	3	3	3			3	3	3	3		3	3		3
German – also WIYA	3			3	3	3			3	3		3 ^G		3	3		3
Italian – also 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 WIYA			3	3	3	3	3		3	3	3			3		3	3
Spanish – also WIYA	3			3	3	3	3		3	3	3	3		3	3		
Comparative Literature and:																	
Arabic – also WIYA					3	3				3					3		3
French – also WIYA		3				3				3					3		3
German – also WIYA		3				3				3					3		3
Italian – also WIYA		3				3	3								3		3
Russian – also WIYA		3				3	3			3							3
Spanish – also WIYA		3				3	3			3					3		
French and:																	
Arabic – also WIYA	3		3	3	3		3		3	3	3	3		3	3		3
Comparative Literature		3				3				3					3		3
German – also WIYA	3	3		3	3		3	3	3			3 ^G		3	3		3
Italian – also WIYA	3	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 WIYA		3	3	3	3		3		3	3	3			3			3
Spanish – also WIYA	3	3		3	3		3	3	3	3	3	3		3	3		
German and:																	
Arabic – also WIYA	3			3	3	3			3	3		3 ^G		3	3		3
Comparative Literature		3			3					3					3		3
French – also WIYA	3	3		3	3		3	3	3			3 ^G		3	3		3
Italian – also WIYA	3	3		3	3	3		3	3			3 ^G		3	3		3
Persian	3	3		3	3		3	3	3			3 ^G			3		3
Russian – also WIYA		3		3	3	3			3	3				3			3
Spanish – also WIYA	3	3		3	3	3		3	3	3		3 ^G		3	3		

WIYA = Also available With Integrated Year Abroad 3 = Triple ^G = Only available to non-beginners in German

	Ancient History	Arabic – also WIYA	Classical Studies	Comparative Literature	English	French – also WIYA	German – also WIYA	Greek	International Relations	Italian – also WIYA	Latin	Management	Middle East Studies	Persian	Russian – also WIYA	Social Anthropology	Spanish – also WIYA
Italian and:																	
Arabic – also WIYA	3		3	3	3	3	3		3		3	3		3	3		3
Comparative Literature		3				3	3								3		3
French – also WIYA	3	3	3	3	3		3	3	3		3	3		3	3		3
German – also WIYA	3	3		3	3	3		3	3			3 ^G		3	3		3
Persian	3	3	3		3	3	3	3	3		3	3			3		3
Russian – also WIYA		3	3	3	3	3	3		3		3			3			3
Spanish – also WIYA	3	3		3	3	3	3	3	3		3	3		3	3		
Persian and:																	
Arabic – also WIYA	3		3		3	3	3		3	3	3	3	3		3		3
French – also WIYA	3	3	3		3		3	3	3	3	3	3			3		3
German – also WIYA	3	3			3	3		3	3	3		3 ^G			3		3
Italian – also WIYA	3	3	3		3	3	3	3	3		3	3			3		3
Russian – also WIYA		3	3		3	3	3		3	3	3						3
Spanish – also WIYA	3	3			3	3	3		3	3	3	3			3		
Russian and:																	
Arabic – also WIYA			3	3	3	3	3		3	3	3			3		3	3
Comparative Literature		3				3	3			3							3
French – also WIYA	3	3	3	3	3		3		3	3	3			3			3
German – also WIYA	3		3	3	3	3			3	3				3			3
Italian – also WIYA		3	3	3	3	3	3		3		3			3			3
Persian		3	3		3	3	3		3	3	3						3
Spanish – also WIYA		3		3	3	3	3		3	3	3						
Spanish and:																	
Arabic – also WIYA	3			3	3	3	3		3	3	3	3		3	3		
Comparative Literature		3				3	3			3					3		
French – also WIYA	3	3		3	3		3	3	3	3	3	3		3	3		
German – also WIYA	3	3		3	3	3		3	3	3		3 ^G		3	3		
Italian – also WIYA	3	3		3	3	3	3	3	3		3	3		3	3		
Persian	3	3			3	3	3		3	3	3	3			3		
Russian – also WIYA		3		3	3	3	3		3	3	3						

WIYA = Also available With Integrated Year Abroad 3 = Triple ^G = Only available to non-beginners in German

Neuroscience

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

See also **Biology, Psychology**



Neuroscience students examining the earthworm nervous system

Available degree options

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

BSc

Single Honours

Neuroscience

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 degree programme is taught jointly by the School of Psychology & Neuroscience and the School of Biology.
- Our research-led teaching is given by specialists in their fields.
- Small-class teaching in Senior Honours courses allows more student-lecturer interactions.
- Students have the opportunity to conduct a year-long research project.

What will I study?

If you decide to study Neuroscience at St Andrews, you should have acquired a sufficient science background at school. This can be subjects in biology, chemistry, mathematics or physics. 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 laboratories and statistical methods workshops. 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 (Honours)

In the third year, you will develop a deeper understanding of neuroscience, covering topics like behavioural neuroscience,

neuropharmacology, perception and cognition, membranes and cell communication, gene regulation and expression, protein structure and function, and research design and analysis.

In fourth year, you have the option to develop your own speciality by choosing specific modules. Examples of previous ones include Maladaptive changes in the Nervous System, Neural Basis of Episodic Memory, Neuromodulation, Psychology of Dementia, Theory of Mind in Development, Evolution and Autism, Clinical Neuropsychology, and Motoneurons – From Physiology to Pathology.

A number of your modules will have laboratories incorporated in them. You will also have the option to carry out a year-long research project in one of the neuroscience laboratories under the supervision of a specialist and write a dissertation.

Study abroad

Neuroscience students may apply to 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

These grades are the overall standards required to consider you for entry. You can find out more about Standard, Minimum and Gateway entry requirements on page 167.

✉ www.st-andrews.ac.uk/subjects/entry

SQA Highers:

- Standard entry grades AAAB
 - Minimum entry grades AABB
- At least a B in two of Biology (or Human Biology), Chemistry, Mathematics, Physics.
- Gateway entry grades BBBB

GCE A-Levels:

- Standard entry grades AAB
 - Minimum entry grades ABB
- At least a B in two of Biology, Chemistry, Mathematics, Physics.

International Baccalaureate:

- Standard entry grades 36 (HL 6,6,5)
 - Minimum entry grades 36 (HL 6,5,5)
- At least an HL5 in two of Biology, Chemistry, Mathematics, Physics.

"My favourite aspect of the degree structure is how wide your learning can be. I have been able to choose a range of topics and pick a diverse collection of modules both in Neuroscience and other subjects. It's a very international university – people come from all around the world, with different cultures, different heritages and different opinions, which is a definite benefit."

Jack (Edinburgh, Scotland)

Persian

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

See also **Middle East Studies, Modern Languages**



Available degree options

Previous knowledge of subject required? No

MA

Joint Honours

Persian and one of **23** other subjects

See Arts combinations, pages 172-173

MA

Triple Honours

Persian and two other modern languages
Persian and one other modern language and another subject

See Triple combinations, pages 132-133

MA

'With' Honours

Geography with Persian
International Relations with Persian
Medieval History with Persian
Modern History with Persian

See Arts combinations, pages 172-173

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 four universities in the UK to offer undergraduate degrees in Persian and is the most versatile in the study of Persianate societies and Iranian studies.
- St Andrews has the largest range of Persian degrees in the UK.
- Middle Eastern and African Studies at St Andrews has been ranked first in the UK in *The Times* and *The Sunday Times Good University Guide* 2022.
- You can begin the study of Persian language with no prior knowledge and choose how far you wish to continue.
- 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 student-run societies.
- An annual prize is awarded 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, song, 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 will also take modules in other subjects which can lead to joint degrees in Medieval or Modern History, Art History, Middle East Studies, International Relations, Social Anthropology, classical subjects 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)

You continue to study both the spoken and the written language. You also take courses in modern and classical Persian literature as well as modern drama, cinema and song traditions in the Persian speaking world. All classes are taught in small groups with an emphasis on student participation. In the fourth year, you also have the option of doing independent guided research to write a short or a long dissertation.

Study abroad

Persian students may participate in the University-wide St Andrews Abroad programme. Further information on page 129 and online at: www.st-andrews.ac.uk/study-abroad

Entry requirements

These grades are the overall standards required to consider you for entry. You can find out more about Standard, Minimum and Gateway entry requirements on page 167.

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

SQA Highers:

- Standard entry grades AAAB
- Minimum entry grades AAB
- Gateway entry grades BBBB

GCE A-Levels:

- Standard entry grades AAB
- Minimum entry grades ABB

International Baccalaureate:

- Standard entry grades 36 (HL 6,6,5)
- Minimum entry grades 36 (HL 6,5,5)

"The best part about studying languages is that it enables you to understand a different culture and how other people live. When you learn a new phrase or word that allows you to express yourself better, you can communicate more easily."

John (New Jersey, USA)
Pictured opposite, front right

Philosophy

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



Department of Philosophy

Available degree options



Single Honours

Philosophy

See Cross-Faculty subjects, page 5



Joint Honours or 'With'

Philosophy and one of **29** other subjects
Philosophy with Bible and Culture

See Arts combinations, pages 172-173



Joint Honours

Philosophy and one of **5** other subjects

See Science combinations, page 174

Previous knowledge of subject required? No

Philosophy is a highly interdisciplinary subject, which 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.
- Philosophy at St Andrews is ranked first in the UK by *The Times* and *The Sunday Times Good University Guide 2022*.
- 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 or 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 module 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.

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 are conveyed at all levels of teaching.

Teaching and learning are carried out via a variety of methods. In 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 example classes, to support the learning of logic. At Honours level, modules 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 normally an equal amount of 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.

Entry requirements

These grades are the overall standards required to consider you for entry. You can find out more about Standard, Minimum and Gateway entry requirements on page 167.

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

SQA Highers:

- Standard entry grades AAAB
- Minimum entry grades AAB
- Gateway entry grades BBBB

GCE A-Levels:

- Standard entry grades AAB
- Minimum entry grades ABB

International Baccalaureate:

- Standard entry grades 36 (HL 6,6,5)
- Minimum entry grades 36 (HL 6,5,5)

"I appreciate and value the combination of lectures, small tutorials and workshops. If we have any questions, we are actively encouraged to stop by our lecturer's office to discuss these further. I have cherished every single moment of learning and interacting with the vibrant international community around me and hanging out with my friends."

Sophia (Hong Kong)

Pictured opposite

Philosophy

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

At St Andrews, we familiarise you with views put forward by 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 assess independently 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 module 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, religion, feminist philosophy. You may also study texts in the history of philosophy such as Scottish philosophy, Kant, or 20th-century philosophy.

Study abroad

Philosophy students may apply to 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.



St Salvator's Quadrangle

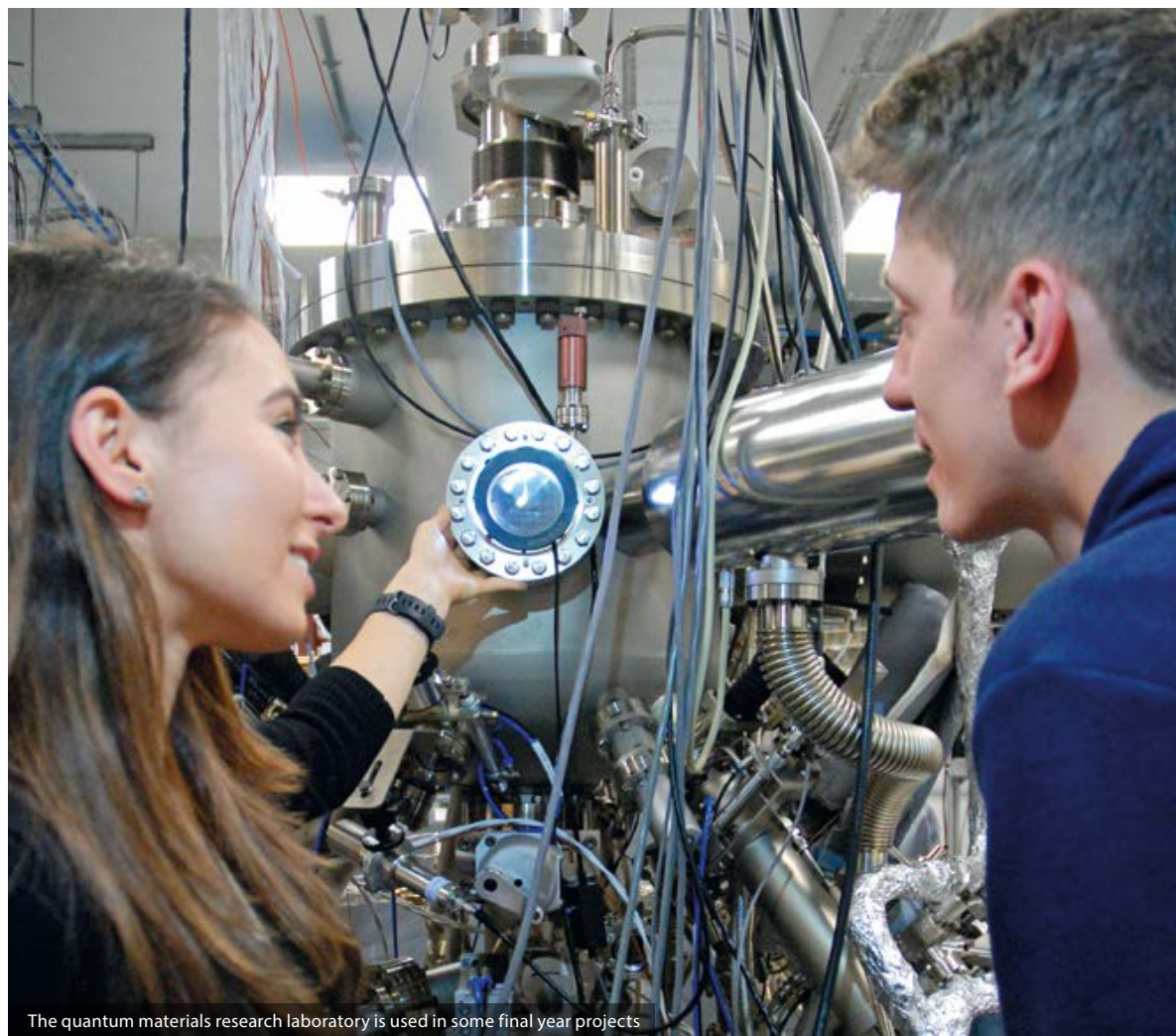


"Being able to study contemporary issues in philosophy and not just classical problems is important to me. I have written essays on topics such as global poverty, slavery, climate change, the philosophy of race, and intergenerational justice. The teaching style is geared towards encouraging us to learn how to think for ourselves, making us better philosophers."

Papa (London, England)

Physics & Astronomy

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



The quantum materials research laboratory is used in some final year projects

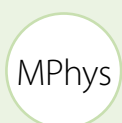
Available degree options

Previous knowledge of subject required? Yes, Physics and Mathematics



Single Honours

Astrophysics
Physics



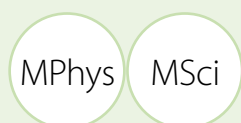
Integrated Masters

Astrophysics
Physics
Theoretical Physics



Joint Honours

Physics and Mathematics
Physics and Philosophy



Joint Integrated Masters

Theoretical Physics and
Mathematics (MPhys)
Physics and Chemistry (MSci)

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 choices within the programmes.

- The nature of the School allows significant interaction amongst students and staff.
- Physics at St Andrews is ranked first in the UK by *The Times and The Sunday Times Good University Guide 2022*.
- Astronomy at St Andrews is ranked first in the UK by the *National Student Survey 2021*.
- Entrants with good Advanced Highers, A-Levels or 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 research in astrophysics, 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 often undertaken within one of our research groups, is a highlight of our degrees. Recent projects include cloud formation in planetary atmospheres, exploring the use of specially shaped laser beams for use in health monitoring, and the theory of quantum networks for enhancing solar cell efficiency.

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, labs and problem-solving workshops. You will also study relevant mathematics courses. Intending astrophysicists also take an astrophysics module; this is also

an option for intending physicists. Additional topics can often be studied. Students on the Gateway to Physics and Astronomy will cover the same physics and mathematics topics as other first year students, plus specialised skills work.

Second year

Topics may include quantum physics, special relativity, dynamics, electricity and magnetism. You will also study linear algebra and multivariate calculus. Intending astrophysicists also take an astrophysics module; this is also 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

These grades are the overall standards required to consider you for entry. You can find out more about Standard, Minimum and Gateway entry requirements on page 167.

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

SQA Highers:

- Standard entry grades AAAA
- Minimum entry grades AAAB
- Gateway entry grades ABBB including A in Mathematics and B in Physics, or vice-versa.

Standard and Minimum entry grades must include A in Mathematics and A in Physics.

GCE A-Levels:

- Standard entry grades AAA
- Minimum entry grades AAB

Standard and Minimum entry grades must include A in Mathematics and A in Physics.

International Baccalaureate:

- Standard entry grades 38 (HL 6,6,6) including HL6 in Mathematics and Physics.
- Minimum entry grades 36 (HL 6,5,5) including HL5 in Mathematics and Physics.

Direct entry to second year

SQA Highers/Advanced Highers:

- Advanced Higher A in Mathematics and A in Physics plus Highers AAAA

GCE A-Levels:

- AAA including Mathematics and Physics.

International Baccalaureate:

- 38 (HL 6,6,6) including HL6 in Mathematics and Physics.

"Many of the fields we study are still evolving areas of research. I love the process of using physics to pull apart complex processes and really see what makes the universe tick!"

Thomas (Stirlingshire, Scotland)

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 modules, 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 to Physics and Astronomy programme. It 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 to Physics and Astronomy programme is suitable for applicants from outside the UK who have not had the opportunity to study as much physics and mathematics as UK-based students.

www.st-andrews.ac.uk/subjects/study-options/pathways/gateway

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 modules, including laboratory courses, and can choose from modules with a theoretical and applied focus.

Theoretical Physics

Your mix of modules can be similar to that of physicists, but in the Honours years the laboratory modules are normally replaced by advanced maths and theory modules.

Study abroad

Physics and astronomy students may apply to participate in the University-wide St Andrews Abroad programme. We have a School Abroad exchange programme with the University of Jena. For information about study abroad options, please see: www.st-andrews.ac.uk/study-abroad

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.

Careers

Graduates from the School enjoy a range of career options, many of whom get to use their physics knowledge and skills every day – for example, in research and development. Others use the more general problem solving, programming and mathematical skills they have developed, in careers in finance and management.

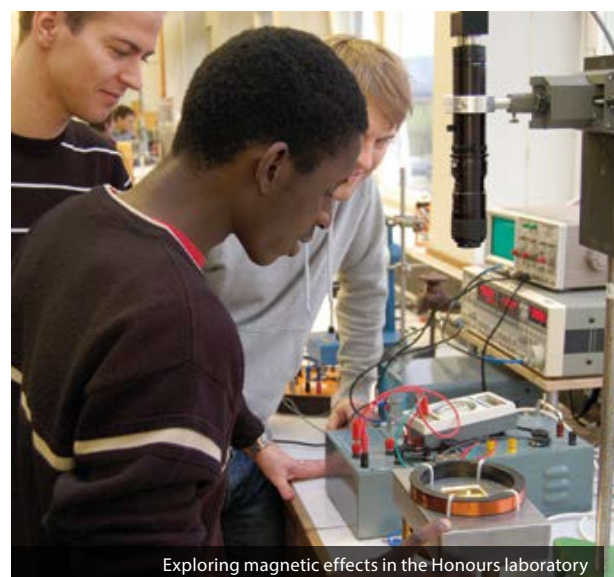
Many of our graduates go on to PhD research or specialist postgraduate programmes such as medical physics or nuclear fusion energy.



Staff-student discussion



The Observatory



Exploring magnetic effects in the Honours laboratory



The Andromeda Galaxy, photographed by student Sam Lane



Research in quantum materials



Third-year lasers laboratory



"I wanted to study at a university with excellent teaching and lots of contact with actual research in the field. I could not have made a better choice! Studying Physics is undeniably hard work, however the supportive atmosphere in the School, the excitement about the subject and the great people who I do it with are worth it."

Veronika (Kroměříž, Czech Republic)

Psychology

www.st-andrews.ac.uk/subjects/psychology
psych-admissions@st-andrews.ac.uk

See also **Neuroscience**



School of Psychology & Neuroscience

Available degree options

Previous knowledge of subject required? **No**

Single Honours		Joint Honours		Joint Honours		'With' Honours	
BSc	MA	BSc	MA	BSc	MA	BSc	MA
Psychology		Psychology and one of 6 other subjects		Psychology and one of 21 other subjects		Psychology with Biology (BSc) Psychology with Geography (MA)	
See Cross-Faculty subjects, page 5		See Science combinations, page 174		See Arts combinations, pages 172-173			

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 specialist seminars.
- Psychology at St Andrews is ranked third in the UK by the *Guardian University Guide 2022* and by the *Complete University Guide 2022*.

What will I study?

Psychology can be taken 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 specialists in the fields of cognitive, comparative, developmental, evolutionary, perceptual and social psychology, as well as cellular and behavioural neuroscience.

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 psychology, cognition, development, evolution and comparative psychology, neuroscience, perception 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, evolution and development of social and technical intelligence, clinical neuropsychology, psychology of visual art, behavioural neuroscience, cognitive psychology and the emotional disorders, computer aided research and the psychology of music.

Entry requirements

These grades are the overall standards required to consider you for entry. You can find out more about Standard, Minimum and Gateway entry requirements on page 167.

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

SQA Highers:

- Standard entry grades AAAB
- Minimum entry grades AABB
- Gateway entry grades BBBB

GCE A-Levels:

- Standard entry grades AAB
- Minimum entry grades ABB

International Baccalaureate:

- Standard entry grades 36 (HL 6,6,5)
- Minimum entry grades 36 (HL 6,5,5)

"I had never studied psychology before, but the School was excellent at introducing me to and keeping me a part of this new subject. Dynamic lecturers make topics interesting and engaging. Psychology is a sociable and comfortable community which I am glad to be a part of."

Jack (Glasgow, Scotland)

Psychology

🔗 www.st-andrews.ac.uk/subjects/psychology
psych-admissions@st-andrews.ac.uk

Single Honours

You can take a Single Honours degree without a further subject in third and fourth year. Details are outlined in the “What will I study?” section. This degree focuses in depth on all major aspects of psychology.

The Single Honours Psychology degrees are accredited by the British Psychology Society for Graduate Basis for Chartered Membership, a pre-requisite for further professional training in psychology (for example, clinical or educational psychology).

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 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. In third and fourth year, as well as taking core Psychology modules, you will have optional choices from a range of specialist topics.

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 the workplace of today and tomorrow, including:

- a scientific approach to problem solving and information acquisition with current IT technologies.
- critical skills in the 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 areas like the health service, civil service, armed forces, banking and human resources.

A Psychology degree provides entry to a range of postgraduate degrees including MSc, MPhil, PhD, and the option to become a professional psychologist in the UK, with a doctorate in clinical or educational psychology.



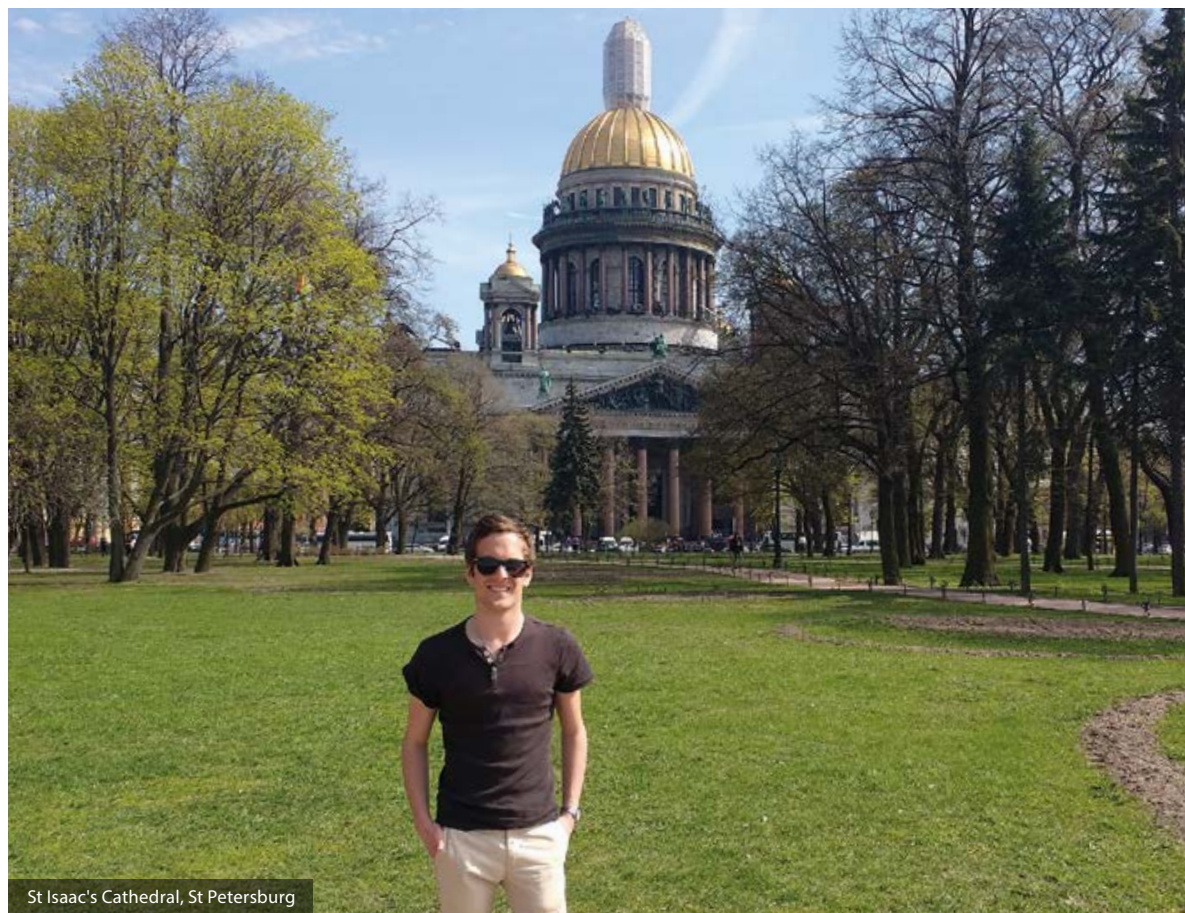
“The degree flexibility was an important aspect to me as I like being a bit of a Renaissance woman. My favourite aspect of the Psychology programme is the very real-world application.”

Divya (Singapore and India)

Russian

✉ www.st-andrews.ac.uk/subjects/russian
russianhod@st-andrews.ac.uk

See also **Modern Languages**



St Isaac's Cathedral, St Petersburg

Available degree options

All the degrees are available With Integrated Year Abroad

Previous knowledge of subject required? No

MA	MA	MA	MA
Single Honours	Joint Honours	Triple Honours	'With' Honours
Russian	Russian and one of 24 other subjects	Russian and two other modern languages Russian and one other modern language and another subject	Economics with Russian Russian with Geography Mathematics with Russian
	See Arts combinations, pages 172-173	See Triple combinations, pages 132-133	

Russian degree programmes at St Andrews combine modern communicative methods with sound grammatical accuracy and high levels of oral aptitude. You can also choose from modules dedicated to literature, film, history and contemporary Russian society.

- 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 will have the option to apply to study 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 18th century to the present day, all in the original language. There are plenty of opportunities to practise 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 previously. Classes are devoted to grammar, translation and oral skills. You also study classic works of Russian literature in the original language.

Second year

You will continue to extend your knowledge of the Russian language with classes on grammar, translation and oral communication. Classes are also designed to prepare you for study abroad, should you choose to do so. You will have the opportunity to study Russian literature and film in their original language.

Third and fourth years (Honours)

You will continue to study the language with classes devoted to both the spoken and the written language. You will also take modules 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

You can choose to apply to study abroad as part of your degree. Russian students may also participate in the University-wide St Andrews Abroad programme. Further information on page 129 and online at: www.st-andrews.ac.uk/study-abroad

Entry requirements

These grades are the overall standards required to consider you for entry. You can find out more about Standard, Minimum and Gateway entry requirements on page 167.

✉ www.st-andrews.ac.uk/subjects/entry

SQA Highers:

- Standard entry grades AAAB
- Minimum entry grades ABBB
- Gateway entry grades BBBB

GCE A-Levels:

- Standard entry grades AAB
- Minimum entry grades ABB

International Baccalaureate:

- Standard entry grades 36 (HL 6,6,5)
- Minimum entry grades 36 (HL 6,5,5)

"I have always had a deep interest in Russian history and culture. I applied as a Single Honours History student but picked up Russian and have never looked back! The Russian Department is small, so it has a friendly and relaxed feel. 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)
Pictured opposite during his study abroad in Russia

Social Anthropology

www.st-andrews.ac.uk/subjects/social-anthropology
socanthadmin@st-andrews.ac.uk



Available degree options



Single Honours

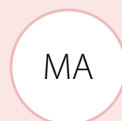
Social Anthropology



Joint Honours

Social Anthropology and one of **28** other subjects
Social Anthropology and two other subjects (Arabic and Russian)

See Arts combinations, pages 172-173



'With' Honours

Social Anthropology with Geography
Economics with Social Anthropology
Geography with Social Anthropology

Previous knowledge of subject required? No

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.

- A beautiful place that is also highly cosmopolitan: students come to study Social Anthropology from all over the world.
- Staff expertise covers all regions of the world in depth and in breadth.
- Anthrosoc, our student-run society, has an active events calendar.
- 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 Europe, on Latin America and the Caribbean, Africa, the Pacific and Asia. We have championed innovative ethnographic and theoretical scholarship with regard to the relationship between anthropology and history, colonialism and postcolonialism, anthropology and medicine, philosophy and cosmopolitan studies, politics and economics, migration and transnationalism.

We are committed to facilitating and recognising student excellence. Alongside our passion for the highest quality of research-led teaching, we award several 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 Africa, Latin America, the Pacific, as well as research from Britain, 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-19th 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

These grades are the overall standards required to consider you for entry. You can find out more about Standard, Minimum and Gateway entry requirements on page 167.

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

SQA Highers:

- Standard entry grades AAAB
- Minimum entry grades AAB
- Gateway entry grades BBBB

GCE A-Levels:

- Standard entry grades AAB
- Minimum entry grades ABB

International Baccalaureate:

- Standard entry grades 36 (HL 6,6,5)
- Minimum entry grades 36 (HL 6,5,5)

"I chose Social Anthropology as a part of my degree as it is the study of what it is to be human. What makes the anthropological study at St Andrews special is the staff. It is a fantastic experience to study with them. Their research (to list a few) includes literary, linguistic, and feminist anthropologies."

Dani (Kolobrzeg, Poland)

Social Anthropology

🔗 www.st-andrews.ac.uk/subjects/social-anthropology
socanthadmin@st-andrews.ac.uk

Honours (third and fourth) years

You will choose a portfolio of specialist courses combining regional and theoretical focuses. You may take specialist courses on colonial and postcolonial Africa, post-socialist Europe, Latin America, the Caribbean or the Pacific, 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, the anthropology of medicine, sex and gender or contemporary forms of religious experience and politics. 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 may apply to 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), the United Nations, 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 about 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 Art and Perception, Latin American Studies, Caribbean Studies, Pacific Studies. Many students go on to study at prestigious universities elsewhere around the world.



"Studying for a Joint Honours degree in International Relations and Social Anthropology has been deeply rewarding. Both the staff and fellow students have been incredibly supportive. Being able to take modules from other Schools at sub-honours level has allowed me to explore different academic interests."

Sherri (Jakarta, Indonesia)



St Salvator's Quadrangle

Spanish

🔗 www.st-andrews.ac.uk/subjects/spanish
spanishhod@st-andrews.ac.uk

See also **Modern Languages**



Granada, Spain

Available degree options

All the degrees are available With Integrated Year Abroad

Previous knowledge of subject required? **No**

MA	MA	MA	MA
Single Honours	Joint Honours	Triple Honours	'With' Honours
Spanish	Spanish and one of 28 other subjects	Spanish and two other modern languages Spanish and one other modern language and another subject	Economics with Spanish Geography with Spanish Mathematics with Spanish Spanish with Geography
	See Arts combinations, pages 172-173	See Triple combinations, pages 132-133	

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, translation, literature and cinema.

- We offer a broad range of options that reflect and explore the rich cultural heritage of Spain and Latin America.
- Modules include the literature from the Golden Age to the present day, history, 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 an SQA Higher or GCE A-Level Spanish. 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 modules 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 20th-century Spain, the Argentine and Chilean avant-garde (1920s-1930s), literary translation, Spanish-American literature, Mexico in the 19th century, action heroes and anti-heroes in early modern Spain and literary and non-literary representations of the Spanish nation.

Study or work abroad

You can choose to apply to study or work abroad as part of your degree. Spanish students may also participate in the University-wide St Andrews Abroad programme. Further information on page 129 and online at: www.st-andrews.ac.uk/study-abroad

Entry requirements

These grades are the overall standards required to consider you for entry. You can find out more about Standard, Minimum and Gateway entry requirements on page 167.

🔗 www.st-andrews.ac.uk/subjects/entry

SQA Highers:

- Standard entry grades AAAB
- Minimum entry grades AABBB
- Gateway entry grades BBBBB

GCE A-Levels:

- Standard entry grades AAB
- Minimum entry grades ABB

International Baccalaureate:

- Standard entry grades 36 (HL 6,6,5)
- Minimum entry grades 36 (HL 6,5,5)

"I love the focus on small classes because it gives you a great opportunity to really get to know your teachers and feel confident in taking part and exchanging your opinions and thoughts. Each teacher has a different style and structures their module in different ways, resulting in an exciting learning environment."

Rohan (London, England)
Pictured opposite during his study abroad

Sustainable Development

www.st-andrews.ac.uk/subjects/sustainable-development
gsd@st-andrews.ac.uk

See also **Geography**



The Scores, St Andrews

Available degree options



Single Honours

Sustainable Development

See Cross-Faculty subjects, page 5



Joint Honours

Sustainable Development and
5 other subjects

See Science combinations, page 174



Joint Honours

Sustainable Development and
14 other subjects

See Arts combinations, pages 172-173

Previous knowledge of subject required? No

Sustainable Development addresses the most pressing environmental and developmental challenges of the 21st century. Topics such as climate change, development, health, energy and behaviour change cover the breadth of environmental, social and economic issues.

- St Andrews was one of the first universities in the world to teach Sustainable Development at undergraduate level and offers a rare opportunity to study this important subject.
- Our programmes have a strong international reputation, attracting students from around the world.
- This unique interdisciplinary programme includes expert contributions from other subjects across the University, such as Biology and International Relations.
- Within the structure of these programmes there is great flexibility and choice, allowing you to explore a wide range of subjects.
- St Andrews is committed to sustainability, aiming to be the UK's first carbon neutral university. The School of Geography & Sustainable Development is also developing an Environmental Sustainability Policy, in collaboration with the student community.
- Our programmes offer scope for practical involvement 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. 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. We also offer a range of joint degrees with Sustainable Development. The topics you follow for the BSc or MA are 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 development, health, environmental governance and political ecology.

First year

You are introduced to the key ideas underpinning sustainable development and 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

These grades are the overall standards required to consider you for entry. You can find out more about Standard, Minimum and Gateway entry requirements on page 167.

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

SQA Highers:

- Standard entry grades AAAB
- Minimum entry grades AABB
- Gateway entry grades BBBB

GCE A-Levels:

- Standard entry grades AAA
- Minimum entry grades ABB

International Baccalaureate:

- Standard entry grades 38 (HL 6,6,6)
- Minimum entry grades 36 (HL 6,5,5)

"Sustainable development is such an interesting subject with a vast array of topics that can be covered from environmental health to renewable energy, sustainable governance or scaling up sustainable communities."

Yvonne (Kinrosshire, Scotland)

Sustainable Development

🔗 www.st-andrews.ac.uk/subjects/sustainable-development
gsd@st-andrews.ac.uk

Second year

You begin this year by discussing conceptual frameworks and approaches that can promote sustainable development (conservation science 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, global health disparities, green politics, blue governance, extractive environments, and urban sustainability), the unique structure of the Sustainable Development programme also gives you access to modules in several other Schools across the University. You will have the opportunity to 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 may apply to participate in the University-wide St Andrews Abroad programme. You may also have the opportunity to participate in our School Study 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, becoming highly literate and numerate, and then to 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 scientific research.

Given sustainable development's high global profile, our 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 Sustainable Development Masters programme.



St Mary's Quadrangle



"As Sustainable Development is considered both an arts and a science subject, I have been able to choose from a wide variety of modules. I have taken ones in biology and anthropology, which have helped me see sustainability ideas and issues in a new light. St Andrews' location and environment provides a unique microcosm for practical sustainability projects to take place."

Benjamin (Taipei City, Taiwan)

Applying to St Andrews

Students

If you are a student from the UK, you must apply through UCAS. You can choose up to five degree programmes at institutions across the UK (only four if applying for Medicine).

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

All UK-based applicants should check whether they are likely to need to achieve Standard or Minimum entry requirements using our Qualification Indicator (see Academic Entry Explained, page 166). www.st-andrews.ac.uk/subjects/entry/indicator

Application deadlines:

15 October – Medicine

25 January – All other subjects

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.

Application deadlines:

- UCAS – 30 June
- Direct Application – 30 June
- Common Application – 1 May

The deadline for all Medicine applicants is 15 October.

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

General entry requirements

In addition to the subject-specific entry requirements, all applicants must meet the General entry requirements. These can be at SQA National 5, GCSE, or equivalent qualifications.

SQA qualifications: SQA National 5 (B) in English and SQA National 5 (B) in one of Biology, Chemistry, Computing Science, Geography, Lifeskills Mathematics (A), Mathematics, Physics, or Psychology.

GCSE qualifications: GCSE (5) in English Language or English Literature, and GCSE (5) in one of Biology, Chemistry, Computer Science, Geography, Mathematics, Physics, or Psychology.

Academic decision-making

Academic decision-making and criteria setting are at the heart of the selection 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 a select number of programmes, details of which can be found online. www.st-andrews.ac.uk/study/apply/interviews

Admissions Policy

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

What we look for in an application

- Academic qualifications (gained 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 should focus on your chosen subject and why you wish to study it.
- Academic reference.
- Where appropriate, performance at interview, relevant work or other experience.

Additional support for applicants

We offer additional support if you are care experienced, have caring responsibilities, are from an estranged background, are an asylum seeker or refugee. Please indicate this on your application. This important information is used in our contextual admissions process. More information about how care experienced and young carers are defined and full details on how we will support you can be found online.

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

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 can then be obtained in three years and an Integrated Masters in four years rather than five.

You should bear in mind that direct entry into second year will 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.

If you are studying for an HNC or HND at a Scottish further education college, you may also wish to contact the Lifelong Learning team (lifelonglearning@st-andrews.ac.uk) to see whether you meet entry requirements for direct entry into second year.

Deferred applications

The University's preference is for applicants to apply in the academic cycle immediately prior to the start date they wish to commence their studies. Applications for deferred entry will be considered on an individual basis. 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 students, applications to transfer must be made through UCAS and are subject to the UCAS deadline of 25 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.

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 your age or circumstance.

Our Gateway programmes (Arts, Science, Medicine, and Physics and Astronomy) are for school leavers from Scotland who may have experienced some form of disadvantage during their schooling resulting in them not achieving the required grades to enter directly into their chosen degree programme. Students on these programmes will receive additional support and guidance, with the intention of them transferring to a named degree programme. www.st-andrews.ac.uk/subjects/study-options/pathways/gateway

The FE-HE Pathway to Arts and FE-HE Pathway to Science programmes provide a supported entry route for applicants studying alternative qualifications at further education colleges across Scotland. These programmes aim to provide flexibility and additional support during the first two years of study, with a view to progressing into a named Honours programme. www.st-andrews.ac.uk/subjects/study-options/pathways/fe-he-pathways

There is the opportunity to study part time in the evenings. This study route is designed to fit around other commitments you may have. All applicants considering part-time study should contact the Admissions team to discuss the available options (lifelonglearning@st-andrews.ac.uk). www.st-andrews.ac.uk/subjects/study-options/part-time

Your qualifications

We welcome applications from students from **all over the world** and **accept a broad range of qualifications**. Full details on the qualifications we accept can be found online.

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

SQA Highers

For the majority of applicants from Scotland, Highers are the main basis of admission into first year. Applicants who need to achieve our Standard entry requirements will receive offers based on their Highers achieved in a single sitting. Applicants required to meet the Minimum or Gateway entry requirements may achieve their grades over multiple sittings. All subjects at Highers are acceptable for entry to the University of St Andrews. The relevance of subjects to the degree programmes may be taken into account when considering applications.

SQA Advanced Highers

Advanced Highers are not normally required for first year entry. They are required for direct entry into second year where that is an option. For Medicine requirements, see page 121.

GCE A-Levels

For applicants needing to meet our Standard entry requirements, we would expect three full GCE A-Levels taken in a single sitting. Those needing to meet our Minimum requirements may achieve their results over multiple sittings.

Although the following subjects are beneficial to the learning experience, they will not be included as part of any offer that is made:

- Citizenship Studies
- Critical Thinking
- General Studies
- Global Perspectives and Research (GPR)

Advanced Subsidiary Level (AS-Level) qualifications submitted will be considered as part of the whole application. Students not presenting AS-Level qualifications will not be disadvantaged, as all applications are assessed according to the Admissions Policy to ensure consistency, fairness and contextual consideration.

International Baccalaureate

The successful award of the International Baccalaureate (IB) Diploma is the basis for admission. Programmes requiring Mathematics will accept either Mathematics: Analysis and Approaches, or Mathematics: Applications and Interpretation at Higher Level.

English language requirements

Unless you have been educated in a country that is on the UK's Visa and Immigration 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, please see our website for more information.

If you enrol on one of our pre-degree courses (such as a Pre-session or Foundation programme), and you require a student visa, you will be required to provide us with evidence of English language proficiency such as a Secure English Language Test (SELT). Other examples of ways to provide evidence of your proficiency can be found online:

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



Market Street

Academic entry explained

The University of St Andrews offers a **variety of flexible entry options** in order to ensure our doors remain open to all students, regardless of background or personal circumstances.

Although entry to the University of St Andrews is competitive, we recognise a range of different qualifications and consider all aspects of your application, including context, your personal statement and reference. Grades alone will not guarantee you admission.

The University of St Andrews also offers alternative entry routes for applicants who come from areas where we receive limited applications and who are unable to obtain the required grades, or for those who are returning to education after an extended period of time.

Q: What do I need to apply for the degree programme I want to study?

A: You will need qualifications, a personal statement and a reference. For some specific degree programmes, you may also need to:

- come to an interview (only for some degree programmes, details of which can be found online. www.st-andrews.ac.uk/study/apply/interviews).
- sit an admissions test, the UCAT, for Medicine.

You also need to apply on time:

- 15 October – deadline for applications for Medicine
- 25 January – deadline for all other UK applicants
- 30 June – deadline for all other international applicants.

Q: What qualifications and grades do I need?

A: The qualifications and grades you need vary by degree programme and may also depend on whether you are a widening access student.

Q: Am I a widening access student?

A: We consider you to be a widening access student if you:

- live in an area under-represented at the University of St Andrews indicated by postcode, or
- attend a school or college with low levels of progression to the University of St Andrews, or
- attend one of the following widening access programmes:
 - Sutton Trust Summer School
 - LEAPS
 - Focus West
 - Lift Off
 - Aspire North
 - Reach
 - First Chances Fife Programme
 - Scottish Wider Access Programme (SWAP)
- are care experienced, or
- have caring responsibilities.

You can find out if we will consider you to be a widening access student on our online indicator: www.st-andrews.ac.uk/subjects/entry/indicator

Q: If I am a widening access student will I receive a guaranteed offer?

A: Through our guaranteed offer scheme we will make an offer to all applicants who declare a care experienced background or reside in the 20% most deprived areas of Scotland as indicated by the postcode (SIMD20) and also attend a school which has 30% or lower progression to higher education; **provided that the desire to study the subject is demonstrable**, the minimum asking rates within all specified required subjects are met and if relevant there is success in external testing or interview.

No other applicant will receive such a guaranteed offer.

You can find out if you will be eligible for the guaranteed offer scheme on our online indicator: www.st-andrews.ac.uk/subjects/entry/indicator

Q: How do I know what grades I will need?

A: In this prospectus we list the entry requirements for each of our degree programmes on pages 40-161.

An example of entry requirements:

Entry requirements

These grades are the overall standards required to consider you for entry. You can find out more about Standard, Minimum and Gateway entry requirements on page 167.

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

SQA Highers:

- Standard entry grades AAAB
- Minimum entry grades AABB
- Gateway entry grades BBBB

GCE A-Levels:

- Standard entry grades AAA
- Minimum entry grades ABB

International Baccalaureate:

- Standard entry grades 36 (HL 6,6,5)
- Minimum entry grades 36 (HL 6,5,5)

Make sure you check the detailed requirements for your degree programme, which apply to everyone.

Standard entry grades:

Unless you are a widening access student, you will need these grades to be considered.

Minimum entry grades:

If you are a widening access student, you will need these grades to be considered.

Gateway entry grades:

If you are a widening access student, you may also be eligible for a Gateway Programme. You will need these grades to be considered. www.st-andrews.ac.uk/subjects/study-options/pathways/gateway

Q: Can I apply without the stated entry qualifications?

A: In order to widen access to our degree programmes we accept various other qualifications in place of the ones stated on the subject pages of this prospectus. Some of the qualifications we accept include:

- Access programmes, such as the Scottish Wider Access Programme (SWAP)
- Access Diploma to HE
- Open University credits
- HNCs and HNDs
- Foundation Apprenticeship.

We accept lots of different qualifications; you can find out more about all the qualifications we accept online. www.st-andrews.ac.uk/subjects/entry

This information and the entry qualifications indicator only relate to undergraduate degree programmes that do not require a previous undergraduate degree.

admissions@st-andrews.ac.uk

+44 (0)1334 462150



Outside a lecture theatre

Fees, funding and scholarships

Fees and scholarships **vary every year**. The most **up-to-date information** can always be found **online**.

Tuition fees for 2023 entry will be published in September 2022 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 fee and maintenance loans or grants. Details on how and when to apply are available online:

- Guernsey: www.gov.gg/studentfinance
- Jersey (search for 'higher education funding'): gov.je
- Isle of Man: gov.im

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 a 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.

St Andrews offers a variety of scholarships. In previous years these have included bursaries to reduce the cost of accommodation, international scholarships towards tuition fees, and funding for students from the UK to help supplement government sources and alleviate the financial burden of basic living costs.

If you are applying from Scotland or the rest of the UK, you may be eligible for the St Andrews Access Scholarship, dependent on your household income. This scholarship is designed to provide financial assistance to academically gifted students who would otherwise struggle with the cost of studying at the University. Non-repayable and guaranteed for the duration of your undergraduate degree programme, you could receive awards for a maintenance allowance, accommodation and discounted sports membership.

The scholarships available to you will depend on the degree programme 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/undergraduate/scholarships
ugscholarships@st-andrews.ac.uk

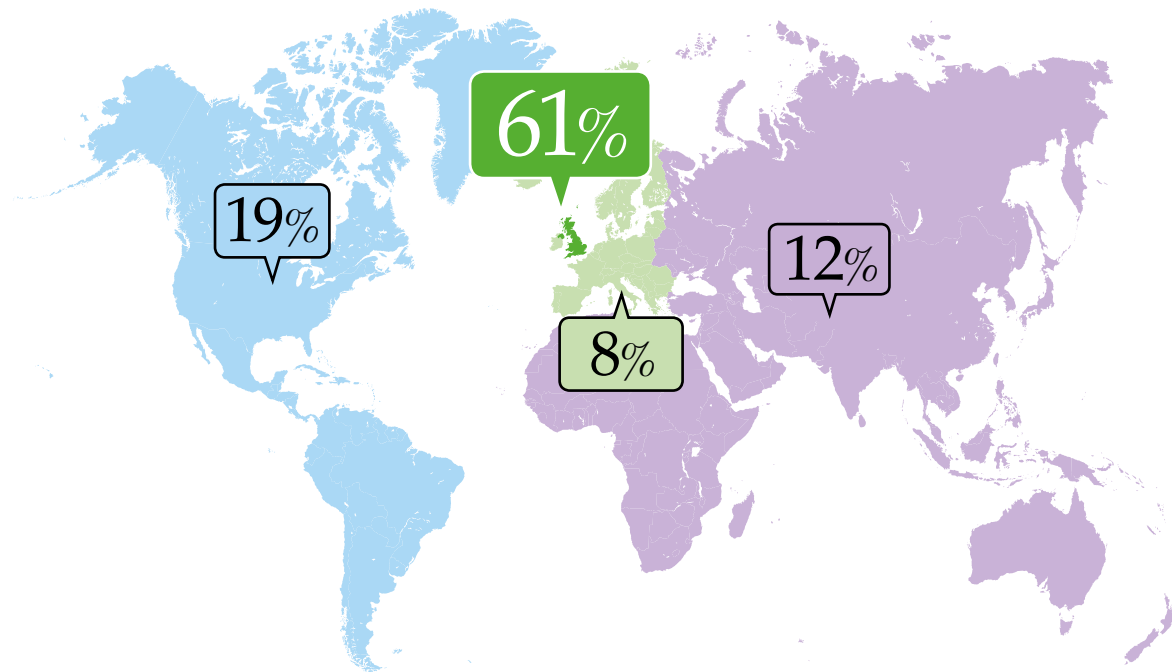


Where is St Andrews?

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 – almost 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 8,000 undergraduate students come from?



Degree combinations

Faculty of Arts combinations

MA Honours

	Ancient History	Ancient History & Archaeology	Arabic* – also WIYA	Art History	Bible and Culture	Biblical Studies	Chinese Studies – also WIYA	Classical Studies	Classics	Comparative Literature	Economics* / Financial Economics*	English	Film Studies	French* – also WIYA	Geography*	German – also WIYA	Greek	Hebrew
Ancient History	S		3	J		J				J	J		J	J/3		J/3	J	
Ancient History & Archaeology		S																
Arabic* – also WIYA	3			J		J	J	3	J	J/3	J	J/3	J	J/3	J	J/3		J
Art History	J		J	S	W	J	J	J		J		J	J	J	J	J	J	J
Bible and Culture				W								W	W					
Biblical Studies	J		J	J		S		J		J	J	W	J	J		J ⁶	J	J
Chinese Studies – also WIYA			J	J						J	J		J	J		J		
Classical Studies			3	J		J		S		J		J	J	J/3			J	
Classics			J						S	J		J		J				
Comparative Literature	J		J/3	J		J	J	J				J	J	J/3	J	J/3	J	J
Economics* / Financial Economics*	J		J			J	J			S	J	J		J	J	J/W		
English			J/3	J	W	J		J	J	J	J	S	J	J/3		J/3	J	J
Film Studies	J		J	J	W	J	J	J		J	J	S	J	J	J			
French* – also WIYA	J/3		J/3	J		J	J	J/3	J	J/3		J/3	J	S	J	J/3	J/3	J
Geography*			J	J						J	J	J	J	S				J
German – also WIYA	J/3		J/3	J		J ⁶	J			J/3	J/W	J/3	J	J/3		S	3	
Greek	J		J	J		J		J		J		J	J	J/3		3	S	J
Hebrew			J	J		J				J		J	J		J			
International Relations	J		J/3	J		J	J	J		J	J	J	J	J/3	J	J/3		
Italian – also WIYA	J/3		J/3	J			J	3	J	J/3	J	J/3	J	J/3	J	J/3	3	
Latin	J		J/3					J		J		J		J/3				
Management*			J/3	J			J		J	J	J-F	J		J/3	J	J ⁶ /3 ⁶		
Mathematics*	J		J	J		J				J-F	J					J		J
Medieval History	J		J	J	W	J		J		J	J	J		J	J	J		
Middle East Studies			J/3	J				J		J	J			J	J			J
Modern History			J	J	W		J	J	J	J	J	J	J	J	J	J	J	
New Testament																		
Persian	J/3		J/3				J	J/3	J	J	J	J/3		J/3	J/W	J/3	J/3	
Philosophy*	J		J	J	W	J		J	J	J	J	J	J	J	J	J	J	
Psychology*			J	J						J	J	J	J	J	J	J	J	
Russian – also WIYA			J/3	J			J	3		J/3	J/W	J/3	J	J/3	W	J/3		
Scottish History					W			J				J	J		J			
Social Anthropology	J	J	J/3	J				J	J	J	J/W	J	J	J	J/W	J	J	
Spanish – also WIYA	J/3		J/3	J			J		J	J/3	J/W	J/3	J	J/3	J/W	J/3	J/3	
Statistics*										J								
Sustainable Development*			J							J	J	J		J	J			
Theological Studies												J	J	J	J	J		

WIYA = Also available With Integrated Year Abroad * = Further combinations are available in the Faculty of Science, see page 174
 S = Single J = Joint 3 = Triple W = 'With' ⁶ = Only available to non-beginners in German
 J-F = Financial Economics can only be combined with these two subjects. Economics can also be combined with them both.

International Relations	Italian – also WIYA	Latin	Management*	Mathematics*	Medieval History	Middle East Studies	Modern History	New Testament	Persian	Philosophy*	Psychology*	Russian – also WIYA	Scottish History	Social Anthropology	Spanish – also WIYA	Statistics*	Sustainable Development*	Theological Studies
J	J/3	J		J	J				J/3	J				J	J/3			Ancient History
J/3	J/3	J/3	J/3	J	J	J/3	J		J/3	J	J	J/3		J	J/3		J	Ancient History & Archaeology
J	J		J	J	J	J	J		J	J	J	J		J	J			Arabic* – also WIYA
					W		W			W			W					Art History
J				J	J					J								Bible and Culture
J	J		J				J		J			J			J			Biblical Studies
J	3	J		J	J	J	J		J/3	J		3	J	J				Chinese Studies – also WIYA
J	J		J				J		J	J				J				Classical Studies
J	J/3	J	J		J		J		J	J	J	J/3		J	J/3			Classics
J	J		J-F	J-F	J	J	J		J	J	J	J/W		J/W	J/W	J	J	Comparative Literature
J	J/3	J	J	J	J	J	J		J/3	J	J	J/3	J	J	J/3		J	Economics* / Financial Economics*
J	J						J			J	J	J	J	J	J		J	English
J/3	J/3	J/3	J/3		J		J		J/3	J	J	J/3		J	J/3		J	Film Studies
J	J		J		J	J	J		J/W	J	J/W	W	J	J/W	J/W		J	French* – also WIYA
J/3	J/3		J ⁶ /3 ⁶	J	J	J	J		J/3	J	J	J/3		J	J/3		J	Geography*
	3						J		J/3	J				J	J/3		J	German – also WIYA
				J	J													Greek
S	J/3	J	J	J	J	J	J		J/3/W	J	J	J/3	J	J	J/3		J	Hebrew
J/3	S	J/3	J/3	J	J		J		J/3	J	J	J/3	J	J	J/3		J	International Relations
J	J/3	S		J	J		J		J/3	J		J/3		J	J/3		J	Italian – also WIYA
J	J/3		S			J	J		J/3	J	J	J/3		J	J/3			Latin
J	J			S		J	J		J/3	J	J			J/3		J		Management*
J	J	J		S	J		J			J	J	J/W	J		J/W		J	Mathematics*
J	J	J		J	S	J			J/W	J	J	J		J	J		J	Medieval History
J			J		J		J		J/3			J		J	J			Middle East Studies
J	J	J	J	J		J	S	J	J/W	J	J	J		J	J		J	Modern History
																		New Testament
J/3/W	J/3	J/3	J/3		J/W	J/3	J/W			J		J/3		J	J/3			Persian
J	J	J	J	J	J	J	J		J	S	J	J	J	J	J	J		Philosophy*
J	J		J	J	J		J			J	S	J		J		J	J	Psychology*
J/3	J/3	J/3		J/W	J	J	J		J/3	J	J	S	J	J/3	J/3		J	Russian – also WIYA
J	J			J						J		J	S	J	J			Scottish History
J	J	J			J	J	J		J	J	J	J/3	J	S	J		J	Social Anthropology
J/3	J/3	J/3	J/3	J/W	J	J	J		J/3	J		J/3	J	J	S		J	Spanish – also WIYA
										J	J					S		Statistics*
J	J		J				J				J	J		J	J		S	Sustainable Development*
J				J	J		J				J	J	J	J	J		S	Theological Studies

WIYA = Also available With Integrated Year Abroad * = Further combinations are available in the Faculty of Science, see page 174
 S = Single J = Joint 3 = Triple W = 'With' ⁶ = Only available to non-beginners in German
 J-F = Financial Economics can only be combined with these two subjects. Economics can also be combined with them both.

Degree combinations

Faculty of Science combinations

BSc Honours

	Arabic*	Biological	Chemistry	Computer Science	Earth Sciences	Economics*	Financial Economics*	French* – also WIYA	Geography*	Management*	Mathematics*	Philosophy*	Physics	Psychology*	Statistics*	Sustainable Development*
Arabic*																
Biology	W	S	J	J	J	J		W	J		J	J		J/W	J	J
Chemistry		J	S		J			W			J					
Computer Science		J		S		J			J	J	J			J	J	
Earth Sciences		J	J		S											
Economics*		J		J		S			J	J	J			J	J	J
Financial Economics*							S			J	J					
French* – also WIYA		W	W													
Geography*		J				J			S	J	J/W				J	J
Management*				J		J	J		J	S						J
Mathematics*		J	J	J		J	J		J/W		S	J	J	J		
Philosophy*		J		J							J	J	S		J	
Physics											J	J				
Psychology*		J/W		J		J					J			S	J	J
Statistics*		J		J		J			J			J		J	S	
Sustainable Development*		J				J			J	J				J		S

S = Single J = Joint W = With (for BSc 'With' languages, the science will be the major subject)
* = Further combinations are available in the Faculty of Arts, see pages 172-173
WIYA = Also available With Integrated Year Abroad

Integrated Masters

	Chemistry (MChem)	Chemistry (MSci)	French (MChem)	Mathematics (MChem)	Mathematics (MPhys)	Physics (MSci)	Theoretical Physics (MPhys)
Chemistry (MChem)	S		W	W			
Chemistry (MSci)						J	
French (MChem)	W						
Mathematics (MChem)	W						
Mathematics (MPhys)							J
Physics (MSci)		J					
Theoretical Physics (MPhys)					J		S

S = Single J = Joint W = With

Subject list 2023 entry

■ Arts ■ Divinity ■ Medicine ■ Science ▲ Cross-Faculty

	page		page		page
■ Ancient History	40	▲ Economics	78	■ Medieval History & Archaeology	100
■ Ancient History & Archaeology	40	■ English	82	■ Middle East Studies	126
■ Animal Behaviour	48	■ Environmental Earth Sciences	74	■ Modern History	102
▲ Applied Mathematics	116	■ Evolutionary Biology	48	■ Molecular Biology	48
■ Arabic	42	■ Film Studies	86	■ Neuroscience	134
■ Art History	44	▲ Financial Economics	78	■ New Testament	70
■ Astrophysics	142	■ French	90	▲ Persian	136
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■ Biblical Studies	70	■ Geology	74	■ Physics	142
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■ Classical Studies	60	■ Latin	62	▲ Statistics	116
■ Classics	62	▲ Management	112	▲ Sustainable Development	158
■ Comparative Literature	64	■ Marine Biology	48	■ Theological Studies	70
■ Computer Science	66	■ Materials Chemistry	52	■ Theology	70
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■ Ecology & Conservation	48	■ Medieval History	100		

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Publications: +44 (0)1334 463020, email: publications@st-andrews.ac.uk

British Sign Language (BSL) users are welcome to contact us via: <https://contactscotland-bsl.org>

The University of St Andrews is a charity registered in Scotland, No: SC013532.

St Andrews

Approximate distances
0 100m 200m 300m
Three-minute walk



- Academic buildings**
- ① Art History
 - ② Biology
 - ③ Chemistry
 - ④ Classics
 - ⑤ Computer Science
 - ⑥ Divinity
 - ⑦ Earth & Environmental Sciences
 - ⑧ Economics & Finance
 - ⑨ English
 - ⑩ Film Studies
 - ⑪ Geography & Sustainable Development
 - ⑫ History
 - ⑬ International Relations
 - ⑭ Modern Languages
 - ⑮ Management
 - ⑯ Mathematics & Statistics
 - ⑰ Medicine
 - ⑱ Philosophy
 - ⑲ Physics & Astronomy
 - ⑳ Psychology & Neuroscience
 - ㉑ Social Anthropology



To Leuchars,
Dundee and
Edinburgh

Sports Centre

Agnes Blackadder Hall

North Haugh

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David Russell
Apartments
and Fife Park

University Hall and
Whitehorn Hall

International Education
Institute

John Burnet Hall

McIntosh Hall

Students' Association

Bus Station

Careers Centre

Chaplaincy

St Regulus Hall Annexe

St Regulus Hall

St Mary's Quadrangle

Byre Theatre

Student Services

Admissions

Library

The ASC

St Salvator's Quadrangle

Younger Hall

St Salvator's Hall and Gannochy House

Castle

Cathedral

Pier

East Sands

Scottish
Oceans
Institute



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