Undergraduate Prospectus
2017 Entry
The University has been ranked top in Scotland and fourteenth in the United Kingdom for the quality of its research publications across Science, the Arts, Divinity and Medicine, according to the results of the 2014 UK REF (Research Excellence Framework).

Over the last 10 years St Andrews has featured regularly at the top of the National Student Survey which measures student satisfaction with the quality of their academic experience.

Of our students continue in their studies; one of the best rates in the UK and the highest in Scotland.

Teaching commenced in 1410
University established in 1413

Town population (including students) c. 20,000

Top 100 in the world for Arts and Humanities (Times Higher Education World Rankings)
Reasons to choose St Andrews

“St Andrews has provided me with the opportunity to study the topics that interest me, both in this beautiful, historical Scottish town and in Europe as part of a study abroad scheme. The welcoming international student communities in both places have made my university experience truly wonderful and I cannot recommend it enough. St Andrews also offers a variety of great sport clubs and societies, which ensures that there is something for everyone to get involved with.”

**Ffion**
(Holywell, Flintshire, Wales)

“St Andrews offers a first class education in the unique setting of a Scottish seaside town. Being a small town it is easy to make friends and get to know everyone with a very diverse and vibrant student population. The town also has good connections to some of Scotland’s largest cities such as Dundee and Edinburgh so getting away for the day is easy if you want to explore!”

**Zeeshaan**
(Glenrothes, Fife, UK)

“I love getting involved in different ambassador schemes and events, simply enjoying a good conversation with prospective students and school representatives. Reading, fencing and photography are just some things that help me completely relax after a day of study. Life in St Andrews is all about studying and having fun!”

**Phoenix**
(China)

“Being a student here has provided me with the opportunity to get involved in things which I would never have imagined myself doing before coming to university. From hitchhiking to Berlin and Budapest for charity, to being Deputy Editor of the student newspaper, to presenting a weekly radio show, to being a Student Ambassador, and more besides, St Andrews has allowed me to flourish as a person and expand my hobbies and interests beyond my degree.”

**Chris**
(Groomsport, County Down, Northern Ireland)

“St Andrews made me instantly feel at home. The staff have been wonderful; the small nature of the University allows lecturers and tutors to spend time with you to ensure you are achieving your full potential. I’m gaining more confidence every day, both socially and academically, by just being part of such a welcoming community. My time so far at St Andrews has been incredible, I’ve already made so many memories and I’m looking forward to making many more.”

**Meaghan**
(Laurencekirk, Aberdeenshire, Scotland)

“Coming to the ‘bubble’ that is St Andrews has been one of the most rewarding decisions. I have made countless friends from all over the world and it’s nearly impossible to walk down the street without seeing at least a few of them. St Andrews has something for everyone, whether it’s a sports club or society; I had no problem fitting right in and finding people with similar interests! You will meet life-long friends and find opportunities to try new things around every corner.”

**Kevin**
(Hopewell, New Jersey, USA)
Contents

Discovering St Andrews
Facts and Figures ........................................... 1
Reasons to choose St Andrews ...................... 1
Subjects available by Faculty ..................... 3
Welcome .................................................. 4

Student Experience
Studying at St Andrews ......................... 5
Faculty of Arts ............................................ 8
Faculty of Divinity .................................... 10
Faculty of Medicine .................................. 13
Faculty of Science ................................... 14
Accommodation ........................................ 16
Student life ............................................. 22
Student activities .................................. 26
Sport .................................................... 28

Services and Facilities
Library ..................................................... 30
IT Services ............................................... 31
Advice when you need it ....................... 32

Money Matters
Fees and funding ..................................... 34
Scholarships and support .................... 35

Beyond St Andrews
Careers and employability .................. 36
The St Andrews connection .............. 39

Alternative Study Routes
Lifelong and flexible study ............... 40
General degree ....................................... 41
Access .................................................... 42
Bachelor of Arts (International Honours) 45

Study Abroad opportunities ........... 46

English Language Teaching
English Language Teaching .................. 48
Pre-degree programmes for international students 49

Applying to St Andrews
How and when to apply ....................... 50
Your qualifications ......................... 52
Faculty Entrance Requirements ....... 53

Academic subject pages ........ 56 - 151

Visiting Days
There are plenty of opportunities to come and visit the University of St Andrews and find out what it has to offer you.
For information and to book a place on any one of the scheduled Visiting Days, please go to:
www.st-andrews.ac.uk/study/ug/meet-us/visiting-days

Travelling to St Andrews ...................... Inside Back Cover

Contact details ...................... Inside Back Cover
Subjects available by Faculty

(Further information is also available – see: www.st-andrews.ac.uk/courses)

<table>
<thead>
<tr>
<th>Faculty of Arts subjects</th>
<th>Faculty of Divinity subjects</th>
<th>Faculty of Science subjects</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ancient History .......... 56</td>
<td>Divinity .................... 80</td>
<td>Biology .................... 62</td>
</tr>
<tr>
<td>Arabic .................... 56</td>
<td>– Biblical Studies ............ 84</td>
<td>– Behavioural Biology ....... 62</td>
</tr>
<tr>
<td>Art History ............. 60</td>
<td>– Hebrew ................ 80</td>
<td>– Biochemistry ............. 62</td>
</tr>
<tr>
<td>Classics ................ 72</td>
<td>– Theological Studies ....... 83</td>
<td>– Cell Biology ............. 62</td>
</tr>
<tr>
<td>– Greek .................. 102</td>
<td>– Theology ................. 82</td>
<td>– Ecology &amp; Conservation .... 62</td>
</tr>
<tr>
<td>– Latin .................. 118</td>
<td></td>
<td>– Evolutionary Biology ...... 62</td>
</tr>
<tr>
<td>Comparative Literature ... 74</td>
<td></td>
<td>– Marine Biology ........... 62</td>
</tr>
<tr>
<td>English ................ 92</td>
<td></td>
<td>– Molecular Biology ......... 62</td>
</tr>
<tr>
<td>– BA (International Honours) 45</td>
<td></td>
<td>– Zoology .................. 62</td>
</tr>
<tr>
<td>Film Studies ............ 94</td>
<td></td>
<td>– Chemistry ................. 66</td>
</tr>
<tr>
<td>French .................. 96</td>
<td></td>
<td>– Biomolecular Science ...... 66</td>
</tr>
<tr>
<td>German .................. 100</td>
<td></td>
<td>– Chemical Sciences ......... 66</td>
</tr>
<tr>
<td>Greek .................. 102</td>
<td></td>
<td>– Materials Chemistry ...... 66</td>
</tr>
<tr>
<td>– Classics .............. 72</td>
<td></td>
<td>– Computer Science ........ 76</td>
</tr>
<tr>
<td>Modern Languages ....... 130</td>
<td></td>
<td>– Earth Sciences ........... 86</td>
</tr>
<tr>
<td>Music (not a degree course) 132</td>
<td></td>
<td>– Environmental Earth Sciences 86</td>
</tr>
<tr>
<td>Persian .................. 134</td>
<td></td>
<td>– Geology .................. 86</td>
</tr>
<tr>
<td>Russian ................ 144</td>
<td></td>
<td>– Neuroscience ............. 142</td>
</tr>
<tr>
<td>Social Anthropology .... 146</td>
<td></td>
<td>– Physics .................. 138</td>
</tr>
<tr>
<td>Spanish ................ 148</td>
<td></td>
<td>– Astrophysics ............. 138</td>
</tr>
<tr>
<td></td>
<td></td>
<td>– Theoretical Physics .... 138</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Faculty of Science subjects</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology .................... 62</td>
</tr>
<tr>
<td>– Behavioural Biology ....... 62</td>
</tr>
<tr>
<td>– Biochemistry ............. 62</td>
</tr>
<tr>
<td>– Biomolecular Science ...... 62</td>
</tr>
<tr>
<td>– Cell Biology ............. 62</td>
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<td>– Ecology &amp; Conservation .... 62</td>
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<tr>
<td>– Evolutionary Biology ...... 62</td>
</tr>
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<td>– Marine Biology ........... 62</td>
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<td>– Molecular Biology ......... 62</td>
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<td>– Zoology .................. 62</td>
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<td>– Chemistry ................. 66</td>
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<td>– Chemical Sciences ......... 66</td>
</tr>
<tr>
<td>– Materials Chemistry ...... 66</td>
</tr>
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<td>– Computer Science ........ 76</td>
</tr>
<tr>
<td>– Earth Sciences ........... 86</td>
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<td>– Environmental Earth Sciences 86</td>
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<td>– Geology .................. 86</td>
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<tr>
<td>– Neuroscience ............. 142</td>
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<tr>
<td>– Physics .................. 138</td>
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<tr>
<td>– Astrophysics ............. 138</td>
</tr>
<tr>
<td>– Theoretical Physics .... 138</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Cross-Faculty subjects</th>
</tr>
</thead>
<tbody>
<tr>
<td>Economics ............. 90</td>
</tr>
<tr>
<td>– BA (International Honours) 45</td>
</tr>
<tr>
<td>– Financial Economics .... 90</td>
</tr>
<tr>
<td>Geography ............ 98</td>
</tr>
<tr>
<td>Management ........... 120</td>
</tr>
<tr>
<td>– Management Science .... 120</td>
</tr>
<tr>
<td>Mathematics .......... 122</td>
</tr>
<tr>
<td>– Applied Mathematics .... 122</td>
</tr>
<tr>
<td>– Pure Mathematics ........ 122</td>
</tr>
<tr>
<td>– Statistics ............ 122</td>
</tr>
<tr>
<td>Philosophy .......... 136</td>
</tr>
<tr>
<td>Psychology ........... 142</td>
</tr>
<tr>
<td>Sustainable Development 150</td>
</tr>
</tbody>
</table>

May Dip (J Alexander – Student/Staff Photo Competition)
Welcome

We are delighted that you are exploring the opportunities available at St Andrews. In the pages that follow we have sought to provide you with information about course offerings, research opportunities and life beyond the classroom that we think you will need in order to make an informed choice about where you would like to spend your undergraduate years.

Like other ancient Scottish universities we are committed to a broadly based education which encourages you to experiment intellectually before specialising in your chosen field of study.

St Andrews is a unique combination of ancient and modern, local and global. Founded in 1413 and once the centre of Scottish political and religious life, St Andrews retains many marvellous mediaeval buildings, juxtaposed with modern Science and Arts facilities. The town is small – but it has a distinctly cosmopolitan air due to the presence of students and teachers from over a hundred countries, as well as the constant infusion of visitors coming to experience the spectacular scenery and famous golf courses. Most people who live here believe we have the best of both worlds.

St Andrews is one of the most popular and one of the most selective universities in the UK. Perhaps our most distinguishing feature, however, is the strong sense of community reinforced by our size, location and the many cultural and social activities in the University.

We hope that you will choose to join us at St Andrews and that after your time here you will join the ranks of our alumni whose aspirations have been heightened, whose minds have been broadened, whose affection for the University is indelible and who have formed friendships that last a lifetime.

Professor Garry Taylor FRSE
Acting Principal and Master of the United College
Studying at St Andrews

Overview

At the University of St Andrews we have four Faculties:
- Faculty of Arts
- Faculty of Divinity
- Faculty of Medicine
- Faculty of Science

Although you will apply for a specific degree programme, your admission will be to one of these Faculties. You will belong to the same Faculty throughout your university career and most of the subjects you study will be offered by Schools or Departments within this Faculty. See the Subjects available by Faculty (page 3). Each Faculty has its own entrance requirements (see page 53) in addition to the subject specific entrance requirements (pages 56 - 151).

Cross-Faculty subjects

Some subjects are offered in both the Faculties of Arts and Science, namely:
- Economics, Geography, Management, Mathematics, Philosophy, Psychology and Sustainable Development.

The content of the subject is the same irrespective of Faculty.

If you wish to study these subjects in the Faculty of Science (BSc degrees) you will be required to choose at least two modules from the following science subjects during your first two years: Biology, Chemistry, Computer Science, Geography, Mathematics, Physics or Psychology.

If these science subjects do not interest you then you should choose the MA degree in the Faculty of Arts.

About our Honours degrees

Our undergraduate degrees, like those at other Scottish universities, are studied full time over four years.

- In the Faculty of Arts the degree is called a Master of Arts (MA) which is equivalent to a Bachelor of Arts (BA) elsewhere. However we are unique in also offering a BA (International Honours) degree. See page 45.
- In the Faculty of Science the typical degree is a Bachelor of Science (BSc). We also offer extended undergraduate programmes resulting in the award of a Master in Biochemistry (MBiochem), Master in Biology (MBiol), Master in Chemistry (MChem), Master in Geology (MGeo), Master in Marine Biology (MMarBiol), Master in Mathematics (MMath), Master in Physics (MPhys) and Master in Science (MSci). These degrees are referred to as Integrated Masters degrees.
- In the Faculty of Divinity the typical undergraduate degree is a Master of Theology (MTheol). We also offer Master of Arts (MA) in several subject areas of Divinity.
- In the Faculty of Medicine the degree is called a Bachelor of Science (BSc) Medicine. The St Andrews element of this degree is three years in length, with further clinical training taking place elsewhere (see page 127).

What is a module?

The University operates a modular degree system. Modules are self-contained courses which usually run for one semester. Different modules are worth different amounts of credit; passing the module gains you the appropriate number of credits. A student usually takes modules worth 120 credits in each year of study (1 credit typically requires 10 hours of study in total). All these credits then count towards the total required for your degree.

Can I take modules from another Faculty?

You must take the specified modules for your particular degree programme but it is possible within your overall programme of study to take up to 80 credits in total from another Faculty. There are, however, sometimes restrictions for very popular subjects because priority is always given to students already within that Faculty.

Students who are not in the Faculty of Medicine will be unable to study any element of the Medicine programme.
Studying at St Andrews
(continued)

Years one and two (sub-honours): breadth and flexibility

Study in the first two years is reasonably flexible and gives you a chance to enrol in other subjects in addition to the ones you applied for. There are a few constraints on this depending on the particular modules you are choosing, including possible timetable clashes. Students in the Faculty of Medicine take a fixed programme of predetermined modules both at sub-honours and Honours.

We recognise that many students are at first unsure of the degree programme to which they wish to commit themselves. You must take the first year modules in the subject(s) for which you have been accepted, and then you are able to choose your other modules from a wide range. You should check in which Faculty these subjects are offered before deciding on whether to apply for an MA or BSc degree (see pages 8 - 14).

The broad base and flexible nature of study at St Andrews will offer you an opportunity to discover your specific strengths and interests in first and second year before finalising your degree intentions for more specialist and in-depth study at Honours level (third and fourth year).

Apart from Medicine, typically you will study:

- Three subjects in first year
- Two or three subjects in second year (two usually continued from first year)
- One or two subjects at Honours level depending on Single/Joint Honours decision (see below).

See diagrams on pages 8 and 14.

Years three and four (Honours): specialism and depth

At the end of your second year, if your work has reached the required standard, you can make a final choice of Honours programme from the second year subjects that you have studied. It is in the final two years that you will be able to specialise and gain an in-depth knowledge of your chosen subject(s). Students who do not meet the Faculty threshold to progress to an Honours degree may qualify to progress to the MA/BSc General degree (see page 41).

Honours programmes are of different types:

- **Single Honours degrees** – just one subject in the final two years.
- **Joint Honours degrees** – two subjects in the final two years where the required credits are typically 50% in each subject.
- **“With” degrees** involve the study of two subjects in the final two years on a Major-Minor basis where most credits are gained in one (Major) subject, and the rest in one other (Minor) subject.

There are also some degrees such as Medieval Studies or language combinations in which up to three subjects may be taken in varying proportions.

Contact hours and semester dates

For information on time in lectures, seminars and tutorials see: www.st-andrews.ac.uk/coursecatalogue

Semester 2017 - 2018 dates can be found at: www.st-andrews.ac.uk/semesterdates

How will I be taught?

Student numbers vary from subject to subject. First and second year classes are larger than more advanced classes in most subjects.

- **Lectures** – the basic method of teaching undergraduate students given by specialists in particular subjects, ensuring that all students receive the same key information while developing note taking and summarising skills.
- **Tutorials and seminars** – selected topics are discussed in smaller groups and analysed on the basis of prepared written work and/or presentations by students; ensuring that you develop analytical and communication skills. They also help promote the excellent relationship between staff and students which exists at St Andrews.
- **Independent study** – enables you to become increasingly self-reliant in the way you manage your time and organise your work, encouraging a more scholarly approach to independent study.
- **Laboratory work** – advanced equipment and techniques may be used to conduct experiments under expert supervision, allowing you to put theoretical knowledge into practice.
- **Fieldwork** – some subjects include compulsory or optional fieldwork from an early stage.
- **Audio-visual and computer-assisted learning** – our state-of-the-art facilities support learning through other forms of collaborative and independent learning.
- **Placements** – in a clinical environment for medical students or teaching abroad for modern languages students.

Honours students sometimes take part in residential reading parties. These weekend ‘mini-conferences’ allow students and staff to discuss their subject in an informal atmosphere and are usually held at The Burn. This is a large country house in Angus, set in its own beautiful grounds and used as a conference centre by Scottish universities.
Learning and teaching

Our approach to learning and teaching is a little like the University itself: a mix of very traditional and very new. In every subject, we take care to cover all the bases, on the one hand familiarising our students with the knowledge and theories that are essential to understanding of the discipline; and on the other, giving you a chance wherever possible to develop practical uses for the expertise you acquire. From this starting-point, we expect our students increasingly to design their own studies, by selecting options and undertaking research-based activities that they devise by themselves, with support from academic staff. Full details of our learning and teaching approach: www.st-andrews.ac.uk/study/further-particulars-of-offers

Assessment

Modules are normally assessed in the semester in which they are taught, by examination, continuous assessment (coursework) or, in most cases, a combination of these. You will receive feedback on every assessment with a view to improving your performance in the future. If you fail an assessment for a particular module you may be offered an opportunity to be re-assessed.

Passing a module entitles you to receive the credits for that module. You will also receive a grade for each module taken which will appear on a transcript available on the completion of your studies.

Adviser of Studies

All undergraduates are assigned to an Adviser of Studies whom you must see at the start of each semester to discuss your choices and have them approved. Advisers are also available for consultation at other times and are always ready to discuss any academic-related problems that may arise. The Adviser will guide you through the complexities of the modular structure to ensure that any desired degree pathways, or options, remain accessible.

You can also refer to the Course Catalogue for individual degree programme requirements. www.st-andrews.ac.uk/coursecatalogue

Degree classification

Honours degrees are classified according to how well you have performed in the final two years (or in the final three for Integrated Masters degrees), and you are awarded with First Class Honours, Second Class Honours (2.1 or 2.2), or Third Class degree.

Curriculum development

The University will use all reasonable measures to deliver courses of study as they are outlined at the time of offer. However, as a research intensive institution, the University ensures that its teaching is based on and references the research and related interests of its staff, which may change from time to time. We are also mindful of the best use of our resources to ensure the highest quality experience for our students. As a result, programmes and modules are regularly reviewed with the aim of enhancing students’ learning experience. Any changes are made with due consideration to minimising impact, safeguarding academic standards and assuring quality, and are described at: www.st-andrews.ac.uk/media/teaching-and-learning/policies/course-revision-protocol.pdf
Faculty of Arts

The Faculty provides a variety of modular programmes leading to the following degrees:

**MA (Master of Arts) Honours** (four years) – 480 credits

**BA (International Honours)** (four years) – 480 credits (including College of William & Mary equivalents). See page 45.

**MA (Master of Arts) General** (three years) – 360 credits (see description of General degree on page 41).

Please note the specific degree requirements in the subject pages 56 - 151. Also see the Arts Faculty Entrance Requirements on page 53. Also see the information on Learning and teaching and Curriculum development (page 7).

**Modules are available in the following subject areas:**


* Certain modules have further pre-requisites – see the subject pages 56 - 151 or www.st-andrews.ac.uk/coursecatalogue for more information.

S These subject areas are not full degree programmes.

“The Faculty of Arts is a collaborative community of world-leading 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 Faculty 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

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

**First Year**
(Study 3 subjects in each semester)

- Subject A

**Second Year**
(Study 3 subjects in each semester)

- Subject A

**Third and Fourth Years (Honours)**

**Single Honours**
(Study modules in 1 subject)

- Subject A modules

**Joint Honours**
(Study modules in 2 subjects)

- Subject A modules

(Choose three subjects from the list of modules above)

Subject A must be the degree subject for which you were offered a place.

Subject B must be the other subject if you were accepted for a Joint Honours programme.

* Subject C may only be taken once, if it is taken instead of Subject B in second year, then the third subject would be Subject D.

We also offer a number of Triple Honours programmes within the School of Modern Languages. Further details can be found in the subject pages, 56 - 151.

For information on how these programmes are arranged in the Honours years, please contact Admissions by email: student.recruitment@st-andrews.ac.uk
“Ever since I arrived at St Andrews, I’ve had the opportunity to explore areas of learning that I never considered pursuing before. I always knew I wanted to study English, having had a passion for literature and creative writing from a very young age, and the wide variety of compellingly titled English modules definitely influenced my decision to become a student here. Alongside English, I took the opportunity to expand on my interest in Modern Languages, and studied French, Italian and Comparative Literature in my first year. This gave me valuable access to worldwide literary studies in addition to my experience with English and American studies, and thus greatly expanded my knowledge and experience in my chosen subject. I also spent time in the School of Art History, which I found truly fascinating. The Faculty of Arts gives you so much freedom to explore your options, and encourages to broaden your academic horizons. Despite how distinctive each School is, there are always surprising overlaps between subjects, and when this happens, it fills you with the confidence that you’ve acquired considerably more than you originally thought.

I have had such an overwhelmingly positive time as a member of my own School, where our support staff are always willing to help you and make you feel welcome, and our academic staff are of the highest quality. I have gained so much from many incredibly knowledgeable and kind people, who show a genuine interest in your own personal academic development and do everything in their power to help you improve. The School of English is truly a place where I feel at home.”

“Applied and was accepted for Joint Honours Economics & Management but opted out of Management after my second year to pursue a Single Honours in Economics in order to take full advantage of the wide variety of Honours modules the School of Economics offers.

The first two years of my course concentrated on the basic theories of economics and statistics, which laid the groundwork for me to enjoy the modules in the third and fourth year. I was particularly interested in the subjects of policy, development as well as inequality in economic perspectives and I followed my interests in making module choices.

The modules Economics of Inequality, Development Economics, Economic History and Issues in Economic Policy have all enabled me to broaden my intellectual curiosity and I learned to take an academic approach to what used to be topics of mere interest.

I certainly believe that the recent redevelopment in the degree curriculum to offer more options and a higher degree of discretion to students in choosing the modules greatly benefits students studying Economics here.”
Faculty of Divinity

MTheol (Master of Theology) Honours – 480 credits. This degree is the most popular Honours degree taken by Divinity undergraduates. For Entrance Requirements – see page 80. Also see diagram below.

MA (Master of Arts) Honours – Biblical Studies or Theological Studies or various Joint Honours combinations of subjects taught within the Faculty of Divinity with other Arts subjects. The degree awarded is Master of Arts and subject to the regulations applying to the Arts Faculty. See diagram on page 8 for the structure of Joint Honours degrees. For Faculty Entrance Requirements, see page 53. Please note the specific degree requirements in the subject pages 56 - 151. Also see the information on Learning and teaching (page 7) and Curriculum development (page 7).

St Mary’s College Bursaries

You are eligible to apply if you are a Divinity student, but not if you are an Arts student taking Divinity modules (MA Theological Studies and MA Biblical Studies students are eligible). www.st-andrews.ac.uk/divinity/current/ug/bursaries

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.

Modules available in the following other subject areas:

The route to an MTheol Honours degree

First Year: Six modules each of 20 credits

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Semester 2</th>
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<tbody>
<tr>
<td>D11001 – Theology: Issues and History</td>
<td>D11003 – Old Testament 1: Torah and Prophets</td>
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<tr>
<td>D11012 – Introduction to Practical Theology and Theological Ethics</td>
<td>D11006 – New Testament 1: Jesus and the Gospels</td>
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Second Year: Three of the modules (marked *) must be taken and a fourth must usually be either a Divinity or Philosophy module from a specified list.

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<th>Semester 1</th>
<th>Semester 2</th>
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Third Year: Semester 1 modules are 15 credits. Semester 2 modules are 30 credits and normally chosen from a list of 4000-level Divinity modules.

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<thead>
<tr>
<th>Semester 1</th>
<th>Semester 2</th>
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</thead>
<tbody>
<tr>
<td>D3703 – Reading in Reformation and Early Modern Theology</td>
<td>D3704 – Reading in Theological Ethics</td>
</tr>
<tr>
<td>D3711 – Reading in Old Testament/Hebrew Bible</td>
<td>D3712 – Reading in New Testament</td>
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Fourth Year: D4498** can be taken in either semester. The optional modules are normally chosen from a list of 4000-level Divinity modules.

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<th>Semester 1</th>
<th>Semester 2</th>
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<tr>
<td>D4498** – Honours Dissertation in Divinity</td>
<td>D30-credit optional module</td>
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<td>D30-credit optional module</td>
<td>D30-credit optional module</td>
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</tbody>
</table>

“The Faculty and School of Divinity is a world-leading centre of excellence in research and teaching, ranked first in the UK in the Guardian University Guide 2016, with a score of 100% for course satisfaction. Based in a unique and historic collection of buildings centred on St Mary’s College, Divinity is a remarkably close knit community. We offer innovative programmes, led by inspiring and outstanding teachers. We encourage you to contact us to find out more.”

Professor Paul Hibbert
Dean of Arts & Divinity

* Certain modules have further pre-requisites – see the subject pages 56 - 151 or www.st-andrews.ac.uk/coursecatalogue for more information.

S These subject areas are not full degree programmes.
Faculty of Divinity

Tim (Guildford, Surrey, England)
Current MA (Hons) Theological Studies student

“"My first two years gave me an excellent grounding in theology, the Bible, and history. I also took classes in biblical studies and ancient history. Two of my favourite modules during this time were The Early and Mediaeval Church: History, Beliefs and Practices, which vividly brought to life the story of the Church, and New Testament 2: Paul and the Epistles, which included classes led by Professor N T Wright. My classes in Ancient History were also very interesting and complemented my studies in Divinity.

My classes at Honours level have been excellent. In my third year I took four compulsory theology modules, which covered patristic and mediaeval theology, reformation and early modern theology, and theological ethics. The breadth of these classes has given me an understanding of theology as a whole, but has also allowed me to explore in greater depth ideas and topics that have interested me.

I have also had the chance to take some more niche modules, such as Christian Mysticism Through the Ages and Theological Anthropology. I am currently taking two classes in church history: Mediaeval Monastic Spirituality and A Quest for God: The Religious World of Dante. These last two are fascinating, introducing students to a range of interesting mediaeval texts, including Dante’s The Divine Comedy. I'll be doing my dissertation next semester on the religious poetry of John Donne."

Marian (Berwick-upon-Tweed, Northumberland, England)
MTheol (Hons) Theology 2014; Current PhD Divinity student

“In my first year at St Andrews I took modules in philosophy, theology and biblical studies. I had applied for a Single Honours MA in Divinity, but was considering switching to a Joint Honours MA with Philosophy. However, as I became increasingly interested in my Divinity modules I dropped Philosophy and moved to the MTheol Honours, which allowed me to do theology and biblical studies in one programme.

In my second year I took Greek in the School of Classics as I knew that the language would be useful for biblical study. In sub-honours we covered a broad range of topics including theology in patristic, mediaeval, reformation and modern periods, and Old Testament, New Testament and Second Temple texts.

In my Honours years I specialised in biblical studies. I took a module in Christology and Pneumatology in the New Testament and I wrote my dissertation on a passage in Genesis. I found the dissertation element of the programme especially useful as it made me realise that I enjoyed independent research and I subsequently decided to go on to postgraduate study.

I particularly appreciated being part of St Mary’s College, as it was a small and friendly community and a great environment in which to study. We had our own library and common room and lots of support from other students on similar programmes.”
Faculty of Medicine

The Faculty provides a programme leading to an Honours degree, **BSc (Honours) Medicine**, which lasts for three years and qualifies for progression to Partner Medical Schools: Universities of Aberdeen, Dundee, Edinburgh, Glasgow, Manchester or Barts and The London School of Medicine and Dentistry.

When you register for the BSc (Honours) Medicine degree you must take the full three-year programme. Progression to the second and third years of the course is obtained by achieving a suitable level of pass in all modules in the previous year.

Unlike other subjects in the University, there are no 1000-level Medicine modules. In first year, students of Medicine begin with 2000-level modules. See diagram below.

Faculty Entrance Requirements – see page 126. Also see the information on Curriculum Development on page 7.

<table>
<thead>
<tr>
<th>The route to a Medicine BSc Honours Degree</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First Year</strong></td>
</tr>
<tr>
<td>Two modules each of 60 credits</td>
</tr>
<tr>
<td>Semester 1</td>
</tr>
<tr>
<td>MD2001</td>
</tr>
<tr>
<td>Foundations of Medicine 1</td>
</tr>
<tr>
<td>Semester 2</td>
</tr>
<tr>
<td>MD2002</td>
</tr>
<tr>
<td>Foundations of Medicine 2</td>
</tr>
<tr>
<td><strong>Second Year</strong></td>
</tr>
<tr>
<td>Two modules each of 60 credits</td>
</tr>
<tr>
<td>Semester 1</td>
</tr>
<tr>
<td>MD3001</td>
</tr>
<tr>
<td>(Cardiovascular &amp; Respiratory Systems)</td>
</tr>
<tr>
<td>Semester 2</td>
</tr>
<tr>
<td>MD3002</td>
</tr>
<tr>
<td>(Reproductive, Renal &amp; Gastrointestinal Systems)</td>
</tr>
<tr>
<td><strong>Third Year</strong></td>
</tr>
<tr>
<td>One module each of 60, 40 and 20 credits</td>
</tr>
<tr>
<td>Semester 1</td>
</tr>
<tr>
<td>MD4001</td>
</tr>
<tr>
<td>(Central Nervous System &amp; Endocrine System)</td>
</tr>
<tr>
<td>Semester 2</td>
</tr>
<tr>
<td>MD4002</td>
</tr>
<tr>
<td>(Student Selected)</td>
</tr>
<tr>
<td>MD4003</td>
</tr>
<tr>
<td>(Applied Medical Science)</td>
</tr>
</tbody>
</table>

“Studying medicine at St Andrews is designed to give an outstanding grounding in the sciences that support medicine. In addition, there is a significant introduction to clinical skills. We have outstanding anatomy facilities as well as clinical skills facilities that support these. The course which concludes with a dissertation in a medical subject area leads to an Honours BSc and substantial knowledge of medical science allowing effective learning in later clinical years as well as facilitating lifelong learning.”

**Professor David Crossman**
Dean of Medicine

“The course is underpinned by a strong scientific basis, most notably in anatomy, and integrates this with excellent communication and clinical skills teachings from Week 1. The well-organised teaching, state-of-the-art facilities and highly supportive environment ensure an in-depth learning of preclinical medicine, allowing for a solid foundation when moving on to partner medical schools.”

**Jacob (Gillamoor, York, England)**
Faculty of Science

The Faculty provides a variety of modular programmes leading to an Honours degree in Science. Degrees awarded are:

- **BSc (Bachelor of Science) Honours** lasting for four years – 480 credits
- **MBiochem (Master in Biochemistry) Honours** lasting for five years* – 600 credits
- **MBiol (Master in Biology) Honours** lasting for five years* – 600 credits
- **MChem (Master in Chemistry) Honours** lasting for five years* – 600 credits
- **MGeol (Master in Geology) Honours** lasting for five years* – 600 credits
- **MMarBiol (Master in Marine Biology) Honours** lasting for five years* – 600 credits
- **MMath (Master of Mathematics) Honours** lasting for five years* – 600 credits
- **MPhys (Master in Physics) Honours** lasting for five years* – 600 credits
- **MSci (Master in Science) Honours** generally lasting for five years* – 600 credits

* Five-year Integrated Masters programmes are designed for those who seek to specialise in the subject after graduation. Most of these can be taken in four years through Direct entry into second year or entry with advanced standing. (See page 51 – Direct entry to second year and Recognition of Prior Learning.)

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**Modules available in the following subject areas:**


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

<table>
<thead>
<tr>
<th>First Year (Study 3 subjects in each semester)</th>
<th>Second Year (Study 2 subjects in each semester)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Subject A</strong></td>
<td><strong>Subject A</strong></td>
</tr>
<tr>
<td>+</td>
<td>+</td>
</tr>
<tr>
<td><strong>Subject B</strong></td>
<td><strong>Subject B</strong></td>
</tr>
<tr>
<td>+</td>
<td>OR</td>
</tr>
<tr>
<td><strong>Subject C</strong></td>
<td><strong>Subject C</strong></td>
</tr>
</tbody>
</table>

**First and Second Years**

**Third and Fourth Years (Honours)**

- **Single Honours** (Study modules in 1 subject)
  - **Subject A modules**
  - **Subject B modules**

- **Joint Honours** (Study modules in 2 subjects)
  - **Subject A modules** + **Subject B modules**

*(Choose three subjects from the list of modules available noted above)*

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

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Some subject areas offer a range of degrees with slightly different structures. Studying three different subjects is not compulsory, depending on your degree choice. You might do two different modules in the same area of science.

Further details and subject-specific diagrams are available for Biology (page 62), Chemistry (page 66) and Computer Science (page 76).

“*If you choose to study Science at St Andrews you will be joining a Faculty with a long tradition of excellence in teaching and research. Each of the seven academic Schools – Biology, Chemistry, Computer Science, Geography & Geosciences, Mathematics & Statistics, Physics & Astronomy and Psychology & Neuroscience will welcome you into a close-knit community and ensure a world-class learning experience.***

Professor Alan Dearle
Dean of Science

---

* Please note that Information Technology is not a full degree programme.
Keir (Pottstown, Pennsylvania, USA)
Current BSc (Hons) Marine Biology student

“I transferred to St Andrews to study marine biology in my second year and was immediately immersed into the School of Biology. My Adviser was extremely helpful and directed me towards courses that would best suit my interests.

During my second year I took an interdisciplinary approach to biology and took courses ranging from zoology to cellular structure and function. These courses gave me a solid background that I could build a strong degree from. St Andrews was also instrumental in helping me obtain a large research grant to study coral reefs at a marine laboratory in Florida during the summer before third year. The close association with professors and the ability to work with them in their labs made my résumé and applications stand out.

The courses in third year gave me a good look into the world of marine biology, and helped me move towards specific subjects I found interesting. The biology of marine organisms and aquatic ecology courses gave me a good perspective on broad ecosystem topics. The research course to Wales was a fantastic experience both academically and socially which prepared me well for my final year. I was also elected captain of the sub-aqua club, which gave me experience in dealing with a variety of administrative and safety-oriented tasks, which looks very good on my CV too!

The beginning of my fourth year has been a whirlwind of coursework and research. My Adviser was extremely helpful in guiding me towards courses that suited my interest in tropical ecosystems. I took tropical biology and marine biotechnology due to my interest in coral reefs. These courses helped me grow my professional skills such as writing grant applications and business plans. While the courses were challenging, I found them incredibly rewarding and have developed into a better biologist as a result.”

Masha (Riga, Latvia)
Current MSci (Hons) Computer Science student

“I applied to St Andrews to study Computer Science (BSc Hons), however later changed my programme to an MSci. One of the things that immediately made me pleased to be at St Andrews was the School, which is driven by the students’ needs. Everything from the lab equipment to the lecturing process is a result of a non-stop dialogue between the staff and all of the students.

In first year I studied a variety of computer science modules and mathematics. I found the programming projects in computer science to be very exciting because they showed us just how much we could do after just one semester of studying. I also decided to study a language and took Spanish for Beginners.

In second year I continued with advanced topics in computer science and internet programming as well as Foundations of Computation. Another great aspect of studying Computer Science at St Andrews is the amount of group work. We do a variety of projects in groups of every size between two and seven, starting from the very first year, and it teaches you to work in any situation you can encounter later on.

I was very pleased to be given the opportunity to study abroad in my third year. I went to Queen’s University, Canada. The fact that I studied abroad for a year meant that I had a chance to compare different systems of education, and I have found that the education provided in St Andrews to be a really good mixture of several ingredients: great flexibility, great guidance, great ability to engage.

On my return to St Andrews in fourth year I decided to change my degree to an MSci in Computer Science. To be a successful computer scientist, you need to do much more than just attend lectures, and there is always great interest in the School for exciting projects, research, and hackathons. This interest, combined with a very close-knit community of a small School and willingness of the staff to provide every possible facility needed, makes for a great atmosphere.”
Accommodation

Starting university is an exciting time and finding the right place to live is important.

The University has nearly 4,000 study bed spaces and a fantastic variety of accommodation. Our YouTube video gives you an overview of all our residences: www.st-andrews.ac.uk/accommodation/ug

We recommend that you visit Student Accommodation Services’ webpages for up-to-date fee information, and the full range of facilities on offer in each residence, prior to making your online application: www.st-andrews.ac.uk/accommodation

Accommodation Guarantee

The University of St Andrews guarantees an offer of our accommodation to all UK/EU and overseas first year undergraduate students*, provided all the following conditions are met:

• You are applying as a single applicant.
• Your application is received by 30 June in the year of entry.
• You have met all the offer conditions and accepted your unconditional offer from the University/UCAS by 31 August in the year of entry.
• You have accepted your offer of accommodation within 10 days of the offer being sent to your email address.

If you are not covered by the guarantee, you are still welcome to apply in the usual way and we will try our best to accommodate you.

* Please note: in years of exceptionally high demand, students who live within a reasonable commuting distance will not be offered accommodation until a room becomes available. This may be after the start of the semester.

Accommodation choices

The residences are located throughout the town and all are within walking distance of University buildings and the town centre.

Our residences range from beautiful stone built listed buildings full of original period features, to stylish new apartments, which are built to high environmental and sustainability standards. Importantly, all of our accommodation adheres to government licensing requirements so you can be certain that we always meet a rigorous standard of accommodation maintenance and health and safety criteria.

A range of catered and self-catered accommodation is available, with a choice of standard rooms with shared bathroom facilities or ensuite. Ensuite rooms include a toilet, sink and shower attached to the room for the sole use of the occupant/s.

To enable as many students as possible to enjoy the character of our historic properties, places for first year undergraduates in these halls are on a predominantly shared room basis; whilst individual study bedrooms are available in our modern halls. A number of studio apartments, which include their own cooking facilities and an ensuite bathroom, are also available.

Please note that catered residences close over the inter-semester break in January, with the exception of David Russell Apartments and Agnes Blackadder Hall. Self-catered residences are open throughout the inter-semester break, providing continuous residence for those who need it.
Catered accommodation

- Each of the residences has a unique dining room providing an ideal setting for you to eat, meet new people and socialise.
- We have a commitment to ethically sourced quality products, using Fairtrade tea and coffee, free range eggs and utilising local suppliers, sourcing sustainable produce and seasonal foods, wherever possible.
- A wide range of menu items is offered daily, including a vegetarian option and healthy alternatives endorsed by the Healthy Living Award www.healthylivingaward.co.uk
- Compact kitchens are available so you can prepare drinks and light snacks between meals.
- Options offered also include full Scottish breakfasts daily. At lunch and dinner we provide a wide selection of hot main meals (including a vegetarian choice) as well as soup (vegetarian), a salad bar, deli bar rolls with a selection of fillings (lunch only), delicious puddings as well as fresh fruit, fruit juice and tea and coffee – it’s your choice.

Delivering a service that works around you

We know that you will be busy studying and attending classes so we deliver a service that works around you.

- Packed lunches or dinners can be provided as alternatives in fully catered residences.
- A number of catering packages are available to maximise flexibility.

We endeavour to meet special dietary requirements, however we are unable to provide Vegan, Halal or Kosher options and may not be able to cater for some food allergies depending on the severity. Therefore you may prefer our self-catered accommodation.

Self-catered accommodation

- All our self-catered accommodation offers you total flexibility to cook your own meals, choosing when and what to eat, giving you greater freedom.
- Shared kitchens which include lockers for food storage and eating areas which are located near to study bedrooms.
- Shared kitchens are equipped with cookers, microwaves, refrigerators, freezers, kettles, pans and cleaning equipment.
- Various food outlets are available across the University giving you a choice of catering options for those times when you do not feel like cooking for yourself.

What is included?

As a minimum, all accommodation includes:
- a bed
- a desk
- a study chair
- a range of storage for clothes and books.

The YouTube video shows you what is in each study bedroom: www.st-andrews.ac.uk/accommodation/ug

Hall fees also include:
- Wi-Fi internet access throughout halls of residence, including bedrooms.
- Contents insurance (terms and conditions apply).
- Hall committee subscriptions.
- Wardennial Team – Student Services.
- Bike storage.
- Launderettes with card operated washing/drying facilities. All residences also benefit from the Laundry View online system, which allows student to check the availability of washing machines and driers in the laundry from their laptop or PC, via an online portal.

For up-to-date fee information, and to view the full range of facilities available in each residence, please refer to our accommodation webpages: www.st-andrews.ac.uk/accommodation

“The hall provides a safe home to anyone studying at St Andrews. Even with over 500 students, the sense of hall community is strengthened through hall sports events, formal dinners, Hall Ball and some fantastic themed social and welfare events. Located next to the science buildings and a five-minute walk from the centre of town, together with the events and lovely staff, this hall really gives everyone living here the ideal hall experience essential to university life.”

Ciara (Prestonpans, East Lothian, Scotland)
First Year Representative, Agnes Blackadder Hall
The St Andrews living experience

At St Andrews each residence offers something different, more than just a place to stay, it is a place to live. For example playing the piano in an oak panelled library, or donning a University gown for a top table dinner with the Warden. Maybe a cheese and wine evening, or attending a hall ball.

Alternatively, your social life may include computer gaming, film nights, relaxing in the gardens, or a game of pool. Whatever your interests the range of communal areas and facilities in our residences ensures we have something to suit everyone.

There are also computer rooms, libraries and quiet study areas available in our residences that we hope you will take advantage of.

Supporting the living experience

Your residential experience is supported by a Wardennial Team (University staff and postgraduates) who take responsibility for encouraging a sense of community and are your key contacts within the residence. They actively encourage you to join in with your fellow residents organising games nights, activities and excursions.

Wardennial Teams will be the first point of call if a health crisis occurs, or if you have a personal problem. They keep order and are responsible for student discipline. Their roles also involve mentoring, advising and providing support.

The Wardennial Teams work alongside the Residence Management teams who look after the fabric and furnishings of the residence and also ensure the smooth running of the catering and cleaning service.

Hall Committees

The students in each residence elect a Senior Student and a Hall Committee who take on the responsibility of looking after the social life of the residence, organising BBQs, receptions and balls, and representing student opinion to the Management.

The Hall Committee therefore plays an important role in welcoming Freshers into their communities and fostering a sense of belonging.

Students with disabilities and limiting long term illness

The University gives all possible support to students with disabilities and those with limiting long term illness. To enable us to work with you to help meet your individual requirements, it is important that you provide full information on your application form of anything that is likely to impact on your accommodation needs.

The University understands that disability is not always visible and related to physical impairments. Student Services and Wardennial Teams can also provide support. We have a number of adapted rooms and we encourage you to visit the accommodation to see facilities and talk to Student Accommodation Services before you accept a place in a residence. If you want us to take account of your special circumstances, please let us know as soon as possible.

Families and mature students

The University has a small number of studio apartments and houses specifically designed for mature students, or those with families. Further information on how to apply is provided on our accommodation webpages: www.st-andrews.ac.uk/accommodation

Accommodation (continued)
**How and when to apply**

Once you receive and accept an offer of a place to study at the University it is time to apply. Please do not wait for your offer status to change, regardless of whether your offer is conditional or unconditional. Please see the Accommodation Guarantee on page 16.

You will need to complete an online application via our webpages. Applications will open on 1 April in your year of entry.

Please go to the accommodation webpages for further information and the link to an online application form: www.st-andrews.ac.uk/accommodation

**Accommodation deadline**

In order for us to be able to offer you guaranteed accommodation, it is essential that you apply by 30 June and accept your University place with Admissions as soon as you receive your unconditional offer.

**Further information**

Student Accommodation Services  
Butts Wynd, North Street  
St Andrews, Fife KY16 8YL  
T: +44 (0)1334 462510  
E: accommodation@st-andrews.ac.uk  
Twitter: @StudentAccommSv  
Facebook: www.facebook.com/StudAccStAndrews

Opening hours: Monday-Friday 9.30 am - 4.30 pm

For further information on what our residences can offer you, including current accommodation prices and how to apply, please visit: www.st-andrews.ac.uk/accommodation

**Important information**

To be guaranteed accommodation you must submit your completed application form to Student Accommodation Services before 30 June in the year of entry and have met all the guarantee conditions.

**Your choice**

Please ensure you take a close look at the range of accommodation and prices on our webpages before submitting your online application, as you will be asked to give four preferences of type of accommodation. You will be allocated to one of your four preferences; it will not necessarily be your first option. Where there are more applicants than spaces available for a particular type of accommodation, then the allocation will be done by ballot.

**Your space**

If you have requested to share a study bedroom Student Accommodation Services will match you with a roommate based on your accommodation preference, lifestyle, hobbies and interests. However, due to high demand this cannot be guaranteed. Offers for individual study bedroom accommodation are based on your residence preference depending on availability. Students of the same age and year of study are allocated rooms near to each other.

**Your place**

Once your offer of a University place becomes unconditional and you have confirmed your acceptance with Admissions, Student Accommodation Services can offer you a place in a residence. Allocation of places to first year undergraduates starts in July for students who have already accepted their unconditional offers. Allocations continue until late August to ensure applicants waiting for Higher or A-Level results have the opportunity to secure accommodation.

“Our hall is the University’s biggest and most diverse. The opportunity to interact with such a large multi-cultural base of students serves as an ideal learning and growing platform. This to me is the hallmark of being a part of the hall. The Wardennial Team members provides support and guidance while the Student Committee plays an active role to ensure we have a good time.”

Armaan (Dubai, United Arab Emirates)  
Senior Student, David Russell Apartments / Fife Park
“St Andrews is a unique place that has given me the opportunity to build strong lifetime friendships as well as preparing me for my next adventure in life.”

Guillermo (Madrid, Spain)
Raisin Monday
(for more information see page 24)
Leisure time

St Andrews is the home of golf – where it was first invented – and there are ample opportunities for the keen golfer with seven courses locally which often host major international tournaments.

Beyond St Andrews you can nip down to Anstruther (9 miles / 14 km away) for fish and chips at the town’s award-winning fish bar. Dundee is only 13 miles / 21 km away and Edinburgh is an hour by train.

There are express buses that run to major Scottish cities, almost hourly. Naturally there are many opportunities to travel north to the stunning Highlands and Islands for which Scotland is world renowned.

St Andrews – the University

The University was founded here over 600 years ago and its buildings are still part of the fabric of the town. Yet this university with its mediaeval origins also looks to the future with its high-tech laboratories and redevelopments designed to ensure that it offers excellent facilities for undergraduate students.

Climate

This part of Fife, the East Neuk, enjoys a microclimate of mild sunny summer days with contrasting blustery rain, crisp frosts and occasional snow in winter. It is much drier than western parts of the country with strong winds often blowing in off the North Sea.

St Andrews – the town

St Andrews provides a unique location for a very special university. Wherever you walk you are reminded of its rich and colourful history with buildings both ancient and modern. The beautiful unspoilt beaches with fresh clean air and wide expanse of sky provide the perfect antidote to the classroom or laboratory. They encourage either a quiet thoughtful stroll or a bracing walk with a group of friends along the two unbroken miles of the West Sands. Or you can take to the water either as a surfer on the waves of the East Sands, or enjoy many other water sports – such as sailing, sea kayaking, or windsurfing. You can also experience a spectacular walk to the end of the stone pier.

St Andrews is a small town and while undoubtedly much safer when compared to cities, you will still need to exercise common sense with regard to your personal physical and social safety. The University currently (2015-2016) funds a night bus which helps get you home safely seven nights a week from 10 pm until 2 am.

Student life

Student Experience

St Andrews – the town

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Climate

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A green university

The University actively implements environmental solutions and initiatives through recycling, an energy strategy, and ensuring ethical investment. It is aiming to achieve zero waste by 2020 and also to be the first carbon neutral university in the UK in 2016. We are working towards this through the development of our own biomass energy centre and a University-owned windfarm. Students are welcome to get involved with a wide range of projects with sustainability at their heart including helping in the organic gardens, or volunteering on practical projects such as dune restoration or campaigning on environmental issues.

Students’ Association

The Students’ Association is the hub of student activity in St Andrews. More than just a bar or night club; the Association (or Union, as it is better known) covers all areas of student life through three core themes: events, student representation, and extra-curricular activities.

The range of events and societies on offer is extensive. All of our student societies and sub-committees are student-run and student-led, meaning that there are hundreds of opportunities to get involved in current interests or brand new activities. In 2015-2016 there are approximately 150 student societies and if you cannot find one to suit your interests then we can help you start one!

www.yourunion.net/activities/societies

In 2015 the University came top in Scotland and third in the UK in a new league table which ranks universities on the strength of their student clubs and societies. St Andrews was singled out for the breadth of its extra-curricular activities and the range of its charitable work.

In addition to the societies, the Association has several sub-committees or ‘super-societies’ of which all students are members.

- Mermaids (see page 27)
- Music Is Love
- Charities Campaign
- SVS (volunteering)
- Debating Society
- LGBT
- STAR (radio) (see page 24)

The Debating Society won the 2015 European Championships and has competed in the semi-finals of the World Championships. They also hold a weekly debate for all in Parliament Hall on topical issues – often bringing in top quality speakers from around the country.

The Charities Campaign raises upwards of £100,000 annually for great causes both at home and internationally through events and appeals throughout the year.
As befits a 600-year-old university St Andrews has many student traditions. One of the most well-known is the red academic gown, which you can wear at formal events or as part of Chapel Choir or as a Student Ambassador.

Additionally, St Andrews is also the home of the Academic Family, a spontaneous tradition where older students adopt first year students as ‘children’ and can help guide them in a system of mentoring. This culminates in Raisin Weekend in November when children are entertained by their parents and are encouraged to play pranks and silly games. On Raisin Monday, the children are dressed in embarrassing, flamboyant costumes, given strange objects with a traditional Latin inscription, and are let loose for an enormous shaving foam fight (see pages 20-21).

Another famous tradition is the May Dip (see photos on pages 3 and 25), where you plunge into a freezing North Sea at dawn on the first of May, in memory of the student John Honey. It is said that the Dip is the only way to avert the risk of exam failure brought on by stepping on the PH cobbles outside St Salvator’s Chapel.
Evening language classes

You can take the option of the extra-curricular evening language classes catering for all levels of study from beginner to advanced. There is a fee (£100 in 2015-2016) attached to these classes as they are not part of any degree pathway and any credits accumulated may not be used towards a degree programme.

www.st-andrews.ac.uk/study/non-degree/evening-languages

Military service opportunities

The Royal Naval Reserve, The Tayforth Universities Officers’ Training Corps and the East of Scotland Air Squadron have all offered St Andrews students opportunities to train and participate while studying here. For current information contact the units directly.

• RNR – T: 0845 607 5555
• Tayforth OTC – T: 01334 474262
• East of Scotland Air Squadron – T: 01334 839471 Ext. 7718

Living and other costs

Tuition fees cover the cost of tuition; all other costs associated with your studies, such as accommodation, travel and living expenses are your own responsibility. When calculating your budget, you should also allow for costs such as books and equipment, field trips, stationery, printing and binding of dissertations, photocopying and computer disposables (for personal computers), laboratory fees, travel, laundry, and the (optional) red undergraduate student gown. For help with working out a living cost budget, please see: http://studentcalculator.org

You are required to pay the General Council and Graduation Fee or Completion Fee. Payment of this fee confers upon you life membership of the General Council of the University, a body comprising all graduates of St Andrews and enjoying certain statutory rights and privileges. It also contributes to the cost of the production of the HEAR transcripts, degree certificates, credit transfers and the different confirmation letters we produce on behalf of our students. You pay this one-off fee at the point of matriculation (for indicative purposes, the fee in 2015-2016 is £50).
St Andrews enjoys an exceptionally lively programme of student music-making. The Music Centre is the focus for musical activity in the University. Situated in the Younger Hall, the principal auditorium in East Fife, it provides facilities for individual and group rehearsals and tuition by highly regarded teachers in voice and almost every instrument. A modest annual fee of around £30 entitles students to use all facilities, attend many concerts without further charge and to join as many ensembles as they like. Additional charges of £30 per hour are made for lessons, though almost a hundred students every year benefit from scholarships of one kind or another, entitling them to free tuition.

The Music Centre also mounts many events in St Andrews’ award-winning Byre Theatre, which provides a wonderful space for opera, chamber music, folk, world music and jazz.

St Andrews is the only Scottish university with a professional Orchestra in Residence – the Scottish Chamber Orchestra, one of the UK’s leading ensembles, performs five times each year and gives frequent masterclasses and workshops. The Music Centre also organises popular lunchtime and evening concerts, given by visiting professionals from throughout the UK.

Some groups audition for places at the start of each year, while many welcome anyone who would like to play or sing, without audition.

Scholarships are also available for particularly promising students in the form of free instrumental or vocal tuition. In addition, the Hebdomadar’s Music Fund can provide financial help for students who would otherwise find it hard to pay for lessons.

The Younger Hall includes a music technology studio with various composition packages, pianos, harpsichords and a good collection of orchestral instruments, all available to students. The University has two-manual organs in both the Younger Hall (Harrison & Harrison) and St Leonard’s Chapel (Walker & Son), and a fine four-manual instrument in St Salvator’s Chapel made by the Austrian firm of Hradetsky.

Choral Scholarships

The University of St Andrews has a rich choral tradition. The thirty-strong St Salvator’s Chapel Choir performs a repertoire that spans the six centuries of the University’s existence. As well as singing three services a week, choir activities also include collaborations with leading musicians, international tours and TV and radio broadcasts.

All members of St Salvator’s Chapel Choir benefit from a scholarship that covers subsidised singing lessons and free participation in the annual choir tour.

Further information (including scholarships):

Music Centre
T: +44 (0)1334 462226
E: music@st-andrews.ac.uk
W: www.st-andrews.ac.uk/music

“Whether an ensemble performer, a virtuoso soloist or an avid audience member, there is something for everyone at St Andrews. Regardless of musical taste or experience, every student can get involved due to the innumerable and varied opportunities provided by the University, student body and town. Music within St Andrews is one of the pillars of community spirit found within St Andrews students and has allowed me to improve greatly as a musician whilst making friendships which will last a lifetime.”

Kerr (Arbroath, Angus, Scotland)
Drama

St Andrews has a vibrant performing arts scene, and the Mermaids Performing Arts Fund enables this. The funding and support are available to assist with the production of almost anything you can imagine. We support numerous devised, published and student-written plays and musicals – in previous years we have even helped with a student-written opera and laid the foundations for a ballet.

Mermaids has something for everyone to get involved in (and every student is automatically a member), whether you fancy directing or producing your own show, acting, technical work, stage-managing or singing…the list is endless!

Mermaids funds around thirty shows a year, from Shakespeare to contemporary drama, including student-written plays. These have ranged from shows in our very own student-run black-box theatre – the Barron – to a staging of Philip Ridley’s Mercury Fur in an abandoned airfield. We also have access to the Byre a professional-grade theatre in St Andrews, and have most recently staged productions including The Importance of Being Earnest and Hamlet.

Student writing also featured heavily, both in the University and at the Edinburgh Fringe, where we sent two student written plays this year, as well as a full-scale Gilbert and Sullivan musical. This year we have also launched the newly rebranded Freshers’ Drama Festival, a week celebrating the new members of the Performing Arts scene by putting on a number of events and plays in which every role was taken by a student new to the theatre scene.

“Mermaids has been the central part of my St Andrews experience. I have directed, produced and stage managed several shows in St Andrews, as well as being part of two productions at the Edinburgh Festival Fringe. I have also had the opportunity to direct two shows and produce another as part of On the Rocks Festival, which is the largest student-led arts festival in Scotland. I have had opportunities to work in professional theatres, as well as site-specific, and black-box theatre. Mermaids not only provides students with funding to create theatre, but also space, expertise and passion. The student theatre scene at St Andrews is diverse, exciting, and strikingly good, and I feel Mermaids has equipped me to move onto a career in theatre.”

Jo (London, England)
Mermaids President (2015-2016)
Sport is a vibrant, exciting and dynamic part of University life; with over 50 sports clubs and 100 competitive sports teams and half our student body regularly taking part in sport as of 2015 - 2016. With participants ranging from complete beginners to international athletes, Saints Sport has something for everyone. From expert strength and conditioning coaching to an excellent hall sport programme to international volunteer opportunities in Zambia and South Africa, Saints Sport at all levels is buzzing.

Our pre-season training camp has grown tremendously over the last few years, and now regularly welcomes back over 800 athletes taking part in more than 30 sports at the start of the academic year and we are continuing to develop our recreational opportunities and widen participation. Our sector-leading volunteer programmes, which includes annual coaching trips to Africa, continue to flourish. Come visit us, get involved and be part of the Saints Sport family.

Student sports clubs

The many student sports clubs are at the core of Saints Sport. These serve a variety of different interests, from highly competitive teams within university-level and national league competition to recreational and social activities, including regular trips across Scotland and further afield. All of this activity is student-led but supported by a number of professional staff and coaches. There is a strong programme of training and support available for student volunteers who run these activities as coaches, officials and administrators.

Saints Clubs as of 2015 - 2016

- Aikido
- Archery
- Athletics
- Badminton
- Basketball
- Boat
- Boxing
- Canoe
- Cheerleading
- Clay Pigeon
- Cricket
- Cross Country
- Cycling
- Dance
- Fencing
- Football
- Futsal
- Golf
- Handball
- Hockey
- Ice Hockey
- Ice Skating
- Judo
- Karate
- Korfball
- Lacrosse
- Mixed Martial Arts
- Mountaineering
- Netball
- Polo
- Rifle
- Rugby
- Sailing
- Shinty
- Snowsports
- Squash
- Sub Aqua
- Surfing
- Swimming
- Table Tennis
- Taekwondo
- Tennis
- Trampoline & Gymnastics
- Triathlon
- Ultimate Frisbee
- Volleyball
- Water Polo
- Windsurfing

For more information on any student sport activity and for the relevant contact details please visit the Saints Sport webpages: www.st-andrews.ac.uk/sport
Saints fitness classes
The Department of Sport and Exercise is proud to offer the Saints Fitness exercise programme. This vibrant programme of exercise classes is open to all and offers a wide variety of classes to suit all levels and abilities. In 2015-2016 we offer over 45 classes a week including Zumba, spin, kettlebells, cardio workshops and yoga.

Fitness services
Our team of fitness professionals are here to help, with a range of services to suit all of your health, fitness and sporting needs:

- **Fitness consultation:** for fitness advice and help planning your exercise routine.
- **Personal exercise plan:** custom made fitness plan, tailor made to suit your needs.
- **Fitness bundle:** a cost-effective solution for those on a budget (includes fitness consultation, three person training sessions and an exercise plan).
- **Personal training:** for one-to-one or group sessions.
- **Strength and conditioning:** to improve sports performance.

Performance sport
The University is committed to the pursuit of academic and sporting excellence. In 2015 - 2016 we have ten Directors of Sport – Rugby, Tennis, Volleyball, Fencing, Football, Water Polo, Golf, Hockey, Ultimate and Boat, and Head Coaches in various sports such as Basketball and Netball. Particular attention is paid to developing these sports in the following ways:

- **Improving performance:** providing excellent opportunities and support structures to allow individuals and teams to fulfil their sporting aspirations, in particular in Scottish Student Sport (SSS), British Universities and Colleges Sport (BUCS) and other national and international events and leagues.
- **Growing participation:** providing high quality training and competitive experiences that attract students to become part of University sport.
- **For more information visit:** www.st-andrews.ac.uk/sport/performance

Golf bursaries
The University receives an annual grant from the R&A to part-fund a golf development programme for talented golfers, which we believe is the best student golf programme in the UK, and sees our golfers travelling all over the world to compete. The programme is open to any matriculated student who reaches the required standard. In 2014 - 2015 we had ten male and four female Golf Bursars, with the R&A supporting the overall University Golf Programme with a total grant of over £20K in the year.

For more information visit: www.st-andrews.ac.uk/sport/performance/programmes/golf/r&abursaries

Admissions information
All performance athletes must achieve the Faculty and Subject entrance requirements – no academic dispensations are given to student athletes. However, please let us know if you are considering coming to St Andrews or already have a place. Email: sport@st-andrews.ac.uk

Academic flexibility
There is a University-wide agreement supporting the training and competitive demands of athletes. This allows some flexibility in academic arrangements so that academic and sporting aspirations can be mutually compatible.

For more information visit: http://bit.ly/sta-acflexibility

Volunteering
Saints Sport prides itself in the vast array of volunteering opportunities that are on offer to students at St Andrews. The University is such a big part of the town that all of our sports clubs are tasked with doing some form of outreach and giving something back to the local community. We also offer students the opportunity to volunteer on activities within Saints Sport. St Andrews students have the opportunity to volunteer and work with pre-school and primary school children on the Junior Saints programme, work with the Youth Sport Trust to learn how to run and facilitate a national conference for sports leaders and spend six to eight weeks during the summer coaching children from schools and townships in Zambia and South Africa.

For more information visit: www.st-andrews.ac.uk/sport/volunteering

Supported Athletes Programme
The University supports talented individual student athletes studying at St Andrews and competing on the international stage, allowing them to excel in both their academic and sporting endeavours. Students can apply for funding to support their expenses for competition, travel and training, and get free access to the University sports facilities, strength and conditioning advice and coaching support.

For more information visit: www.st-andrews.ac.uk/sport/performance/individualsathletesupport/supportedathletesprogramme
In addition to the Main Library there are libraries elsewhere in the University:

• The JF Allen Library, which holds books and journals for most science subjects, offers a variety of quiet individual and group study spaces.

• St Mary’s College Library for Divinity and Mediaeval History, including the historic King James Library.

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

The Main Library has been fully refurbished and modernised, providing more than 1,000 study spaces. It is a welcoming and flexible space where staff are always happy to help.

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

“IT’S IN THE MIDDLE OF TOWN, IT HAS ALL THE RESOURCES YOU NEED AND IT’S THE PLACE WHERE THINGS HAPPEN!”

“What’s most useful about the Library?” video (https://youtu.be/nHR-FOmCis) – May 2015
IT Services

IT is an important part of your University experience and we offer a wide range of services to ensure you stay connected wherever you are in the University. Information is distributed via the University network and official communications are routinely made by email.

We have continued to make a significant investment in our infrastructure. This includes extensive Wi-Fi provision, Office 365 email, UniPrint, a range of software applications and an IT Service Desk to ensure any of your IT issues are dealt with efficiently.

Follow IT Services on Twitter for the latest news and advice: @StAITServices

You can gain access to the University network – and the internet – in the following ways:

- Wireless access across more than 95% of the University buildings.
- Computer classrooms are distributed throughout the University; many are open 24 hours a day, with over 1,000 fixed computers across the University.
- All halls of residence bedrooms have Wi-Fi access and cabled network connections.
- Access away from the University is available through a range of web-based services over the internet.

Further details about the IT services, including our FAQ section, are available at: www.st-andrews.ac.uk/itsupport

Software

We currently provide Microsoft Office in all computer classrooms. Office 365 email is our web-based email service powered by Microsoft. In addition to email, you can download the latest version of the Microsoft Office Suite on up to five of your personal devices (laptop, tablet, smartphone, etc.). Software is available for use on IT Services computers, for programming, statistical analysis and database applications. Moodle is the Virtual Learning Environment (VLE) used by the University for online course material.

UniPrint

We provide a secure printing, scanning and copying facility, that can be accessed from a wide variety of locations across the University. You can also print from your own laptop. www.st-andrews.ac.uk/itsupport/help/printing

Registering with IT Services

In the weeks leading up to the start of the session, you should access the University’s website and open your computer account. As soon as you arrive, you will be able to use this computer account to access a full range of computer services in the University, including email, the open-access computer rooms and UniPrint.

IT Service Desk

A wide variety of IT help can be found on our webpages, but if you have any problems with your computer account or any aspect of IT, you can visit us at the IT Service Desk in the Main Library. You can also log and track your own IT Service calls 24 hours a day, 7 days a week, using IT Self Service.

We also run a chargeable PC Clinic service, where you can bring your own equipment for support and repair.

“Everyone was so helpful. I had many questions and problems and they were answered so quickly and easily.”

Feedback card – September 2015
Advice when you need it

Student Services

Coming to university is an exciting time, but also a very challenging one. During the years ahead there may be times when you need some help and advice and the University offers an extensive range of support to ensure that, on both an academic and personal level, your experience as an undergraduate is successful and fulfilling.

Student Services provides support in the following ways:

- The Advice and Support Centre (ASC) – information centre
- Disabilities team
- Personal advice and counselling
- International and immigration advising
- Finance advising
- Academic advising
- Warden residential support

The student experience

Student Services’ staff have a target of helping to maintain the quality of your student experience. They will gather feedback from you, monitor your opinions, disseminate thoughts on the service required and try to ensure that the experience itself is protected and enhanced and personal to each student. One thing comes over clearly: life at this University is very different from any other in the UK.

The Advice & Support Centre

The main front door for any query you may have is The ASC (The Advice and Support Centre) at 79 North Street. The team of advisers and administrators can assist on any issue, for example:

- interpreting university administration
- assisting with banking or financial processes
- offering support, specialist advice and/or counselling
- helping with academic problems
- providing advice on relationship difficulties / family problems

CAPOD: academic and professional skills support

The Centre for Academic, Professional and Organisational Development (CAPOD) can support you during your time in St Andrews in a number of ways.

Academic skills support

CAPOD can provide you with advice and guidance on how to develop academic skills. These include, but are not limited to, note-making, essay writing, time management and reading comprehension. We also offer support with the mathematics and statistics within your course. All students can book a confidential appointment with a postgraduate academic skills tutor at any time for one-to-one help. CAPOD also oversees some academic skills workshops delivered locally by postgraduate tutors within some Schools.

Professional skills support

CAPOD provides a comprehensive programme of professional development for students in the form of the Professional Skills Curriculum (PSC). All students can take part in the PSC and over 30 skills topics are available, including leadership, time management, public speaking, assertiveness, planning, and many more. The PSC is endorsed by the Institute of Leadership and Management.

IT skills support

CAPOD offers access for all students to a range of high quality online IT training resources and the opportunity to sit Microsoft Office Specialist Exams.

More information on all of CAPOD’s support for students can be found at: [www.st-andrews.ac.uk/capod/students](http://www.st-andrews.ac.uk/capod/students)

Health

The University requires you to register with a National Health Service doctors’ practice based at the local Community Hospital in St Andrews. You will be given the opportunity to register at matriculation.

You are required to bring with you three things:

1. A letter of transfer from your medical practitioner at home detailing:
   a) Medical conditions experienced over the past year.
   b) Medical conditions from birth which could have relevance to current health.
   c) Any current medication and/or treatment.
   d) Any contra-indicators of past medication.
   e) Any allergies.
   f) An inoculation history: please note, you should ensure that you have received two doses of MMR (Measles, Mumps and Rubella) vaccine and one dose of Meningitis C vaccine before coming to St Andrews.

2. At least one month’s supply of any current medication and if you are an international student you need to check before you come that the medication is registered and licensed for use in the UK. Get advice from your home physician if it is not.

3. If you are a student from the UK, you should bring your National Health Service Medical Card.

All international students coming here for longer than six months will have paid the Healthcare Surcharge on submitting their visa application and this will cover you for national health services. However the service is for chronic management and critical healthcare primarily and you may find that the NHS services do not cover you for choosing particular styles of personal healthcare which you might want to opt for. In addition, students on the study abroad programme for less than six months will be charged for all healthcare services. Some international students have found that taking out private health insurance in addition to the Healthcare Surcharge is a good idea and all students have the option of paying for private services if they so wish. A list of providers can be obtained from Student Services or the ASC. [www.st-andrews.ac.uk/students/advice/health](http://www.st-andrews.ac.uk/students/advice/health)
Some examples of areas in which counselling can be helpful:
- Depression.
- Anxiety, panic and other pressure and related feelings.
- Managing relationships (e.g. with friends, academic staff, parents, partners).
- Personal development and self-esteem.
- Family difficulties.
- Eating disorders.
- University pressures (homesickness, loneliness, stress of your studies etc.).
- Abuse and harassment.
- Bereavement.

The University provides a free, professional and confidential counselling service for all its students. Counselling gives you the opportunity to talk in confidence to someone who has no other role in your life (someone who is not a tutor, friend or relation). It is the chance to talk to someone who will not judge you, criticise you or be shocked by whatever you have to say. Counsellors will work flexibly with you to help you develop a clearer understanding of your situation, help you recognise your feelings, and discuss and agree strategies to help with the difficulties you are experiencing.

Students with disabilities or learning difficulties

The University is committed to helping people realise their academic potential and, in accordance with our statements and policy documents on a range of equal opportunities issues, this commitment extends to students with disabilities, long term medical conditions or learning difficulties. If you have a disability it will not stand in the way of your being offered the chance to study here at St Andrews and recent years have seen an expansion of our services. It is our policy to assess applications from all students on strictly academic grounds. Other access arrangements will be considered separately to this.

The University has students with a wide range of disabilities and learning difficulties and we welcome the opportunity to work with these students to meet their individual requirements. Every student who enters this University makes a contribution to our community, based on their particular experiences. Students with disabilities are no exception to this.

Within the University’s Student Services team, there are two Disability Advisers and a Specific Learning Difficulties Co-ordinator. They can be contacted at any stage of the application process for information, advice or support. Applicants are encouraged to make known their needs on the application form and/or at interview, so that the University can best respond in terms of appropriate support and advice.

Counselling

T: +44 (0)1334 462720
E: disability@st-andrews.ac.uk

For more information about our counselling service and other forms of personal support available please go to:
www.st-andrews.ac.uk/students/advice/counselling

Childcare

Childcare costs are borne by the student, but financial help for some students eligible for hardship grants can sometimes be offered – contact the Student Services’ Money Adviser. If you require information about childcare provision in the St Andrews area, please also contact Student Services below. We provide details of nurseries, childminders and after-school care services at: www.st-andrews.ac.uk/students/advice/family/childcare

Chaplaincy/Faiths

Donald MacEwan is Chaplain to the University (staff and students) and can usually be found in the building called Mansefield in St Mary’s Place on weekdays.

Mansefield is used by many groups, including faith societies, for meetings, events, meals, prayer and meditation. The Chaplain offers support and encouragement, as well as an opportunity to talk through personal, relational and academic problems on a confidential basis. Some students explore personal growth and spiritual development, while others discuss issues with no reference to faith. You are welcome, regardless of faith or philosophy.

The Chaplaincy works closely with Student Services and plays a full part in assisting students, particularly through illness. The Chaplaincy also oversees an International Students Befriending Scheme, connecting local families with students whose first language is not English.

For information on various faiths such as Christian, Muslim, Jewish, Baha’i, Eastern Religions, Pagan and others, on worship in University Chapels, and on the team of Honorary Chaplains, please view the webpage (see below).

Get in touch with the Chaplaincy

Mansefield, St Mary’s Place
T: +44 (0)1334 462866
E: chaplaincy@st-andrews.ac.uk
W: www.st-andrews.ac.uk/chaplaincy

Get in touch with Student Services

The ASC – Advice and Support Centre, 79 North Street
T: +44 (0)1334 462020
E: theasc@st-andrews.ac.uk
W: www.st-andrews.ac.uk/studentservices
Fees and funding

Applicants should note that it is a condition of their university registration that they accept liability for their tuition fees and that it is the applicant’s responsibility to apply to an appropriate funding body for support with fees. Confirmation of funding will be required prior to matriculation at the start of each year of study.

For current information please see:
www.st-andrews.ac.uk/study/ug/fees-and-funding
www.st-andrews.ac.uk/study/ug/fees-and-funding/tuition-fees

The University will clarify compulsory fees and charges it requires any student to pay at the time of offer. The offer will also clarify conditions for any variation of fees. The University’s approach to fee setting is described at:
www.st-andrews.ac.uk/media/teaching-and-learning/policies/fee-setting-protocol.pdf

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. All such tuition 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

The University of St Andrews Entrant Bursaries (Scotland) supplements funding available from household contribution and government sources in order to alleviate the financial burden. The Bursary is awarded on the basis of financial need. Further details are available from:
www.st-andrews.ac.uk/study/ug/fees-and-funding/scholarships/bursaries-scheme-scotland

Students living in England

Indicative tuition fees at the University of St Andrews for students domiciled in England are £9,000 per annum. You may be eligible to have the full cost of your tuition fees covered by a Tuition Fee Loan, provided you are an English domiciled, full-time student, and you are taking your first degree. The loan is not repayable until after graduation. Details on how and when to apply are available from:
www.gov.uk/apply-online-for-student-finance

Students living in Wales

Indicative tuition fees at the University of St Andrews for students domiciled in Wales are £9,000 per annum. You may be eligible to have the full cost of your tuition fees covered by tuition fee grants and loans, provided you are a Welsh domiciled, full-time student, and you are taking your first degree. The Tuition Fee Loan is not repayable until after graduation. Details on how and when to apply are available from:
www.studentfinancewales.co.uk

Students living in Northern Ireland

Indicative tuition fees at the University of St Andrews for students domiciled in Northern Ireland are £9,000 per annum. You may be eligible to have the full cost of your tuition fees covered by a Tuition Fee Loan, provided you are a Northern Ireland domiciled, full-time student, and you are taking your first degree. The loan is not repayable until after graduation. Details on how and when to apply are available from:
www.studentfinanceni.co.uk

Students living in the Channel Islands and the Isle of Man

Indicative tuition fees at the University of St Andrews for students domiciled in Jersey, Guernsey, Alderney, Sark, Herm and the Isle of Man are £9,000 per annum. The island authorities of Guernsey, Jersey, and the Isle of Man all offer a range of Tuition Fees Grants and Maintenance Grants, subject to assessment. Details on financial support and how and when to apply are available from the relevant island authority:
Guernsey: www.education.gg/educationhome
Jersey: www.gov.je/Education
Isle of Man: www.gov.im/categories/education-training-and-careers/student-grant

Students living in the European Union (EU)

If you are an EU domiciled, full-time, first degree student you could be eligible for your tuition fees to be paid by the Scottish Government. All such tuition 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

International students

Students who are classed as ‘overseas’ for tuition fee purposes are liable to pay the overseas fee rate appropriate to their chosen programme of study. International students usually have to be self-funded, however there may be funding available from their government, independent sponsors, or from other award paying bodies. Normally, there is an annual percentage rise in the overseas tuition fees.

- For students from the USA:
  www.fafsa.ed.gov
- For all other international students:
  www.educationuk.org/global
Scholarships and support

St Andrews is committed to attracting the very best students, regardless of financial circumstances, which is why we offer a large number of bursaries and scholarships to undergraduate students. These are designed to provide assistance to help students support themselves financially during their time at university and also aim to reward academic excellence.

What support is available?

For UK and EU students, the University of St Andrews offers a variety of maintenance scholarships. In 2015-2016 the value of individual scholarships ranged from £1,000 to £7,500. Some scholarships cover the entrant year only and others are awarded per annum for the duration of a student’s course.

For international students, the University of St Andrews offers a portfolio of merit-based tuition fee scholarships and means-tested tuition fee scholarships. In 2016-2017 the value of individual tuition fee scholarships will range from £1,000 to £10,000. The number and value of scholarships may vary from year to year. Merit scholarships will be awarded specifically for academic achievement, and supported by noted all-round leadership ability and a well written Personal Statement.

In 2015-2016 the University of St Andrews implemented an Accommodation Award to be paid as a discount against university accommodation. The award value was £3,000 per annum for the first two years of study and was means-tested, based on financial need.

The scholarships webpages also hold a wealth of information in relation to the financial support offered by the University, statutory student support and external bodies who offer financial assistance.

For our full list of awards and for more information on application deadlines and eligibility criteria, please go to: www.st-andrews.ac.uk/study/ug/fees-and-funding/scholarships

Other financial assistance

Travel Scholarships
Financial assistance is available if you wish to undertake travel projects during the summer vacation. Further information can be found at: http://bit.ly/sta-travelscholarships

Vacation Grants
Some Schools offer Vacation Grants for the following purposes:

• Courses of study at home or abroad during vacations.
• Courses of study, away from the University, during term.
• Practical placements during term at home or abroad.

Further information is available on School webpages: www.st-andrews.ac.uk/schools

Financial difficulties

Governmental Discretionary Funds are provided to support UK students. Students funded by the Students Awards Agency for Scotland who have registered childcare may be eligible to apply to the Childcare Fund via Student Services.

All students encountering unforeseen financial difficulties may be eligible to apply to the University for limited assistance.

Please contact:
The ASC (Advice & Support Centre)
E: theasc@st-andrews.ac.uk
www.st-andrews.ac.uk/students/money
www.st-andrews.ac.uk/students/money/timeline

“The Chemistry Wardlaw Scholarship has provided me with a stable financial backing that has reduced the pressure and stresses of living as a student. I am very thankful that the monetary support has allowed me to focus much more upon my studies and my university experience, something that may not have happened otherwise. I am sure that the aid will continue to ensure that this remains true in the coming years, especially within the more difficult penultimate and final years of my degree.”

Paul (Arbroath, Angus, Scotland)
Careers and employability

What the Careers Centre offers

The Careers Centre provides a wide range of resources to help you make well-informed and timely decisions about your future. These include:

- One-to-one careers advice on working out a career path, getting an internship, making effective CVs and job applications, preparing for interview and applying for postgraduate study.
- Workshops led by careers advisers and employers on topics such as: getting started on your career planning, making successful applications, tackling interviews and assessment centres, presentation skills.
- Easy-to-use and comprehensive webpages: www.st-andrews.ac.uk/careers
- The Careers Centre JobsOnline and other databases offering hundreds of graduate jobs and internships across the UK, and an increasing number of international opportunities.
- Employer presentations providing an opportunity to meet top graduate employers.
- Resources to enable you to connect with St Andrews alumni and develop networking skills.
- An extensive range of books, career magazines and journals.
- A ‘Job Shop’ advertising part-time jobs in the St Andrews area.

Making the most of your university

There are plenty of activities to get involved with at St Andrews which can enhance your employability. You might consider:

- Undertaking a university-based internship: the St Andrews Summer Internship Scheme provides opportunities to get experience in the non-academic University units. In recent years these have included opportunities in the Development Office, Admissions, the Principal’s Office, the Careers Centre, CAPOD, Finance and HR. The scheme is funded. 45% of the 2014 graduating year undertook internships.
- Becoming an Ambassador: you can get involved in organising and running university Admissions events including Visiting Days, or assist with a range of exciting initiatives for school pupils.
- Volunteering: the Student Voluntary Service offers opportunities across a wide range of different sectors.
- Study / work abroad: you could spend part of your degree working or studying in another country. www.st-andrews.ac.uk/studyabroad

Getting involved in extra-curricular activities

Employers report that active involvement in extra-curricular activities can set candidates apart when it comes to the job market as it helps develop transferable skills including: leadership, team-working, presentation skills and problem-solving.

- At St Andrews there are approximately 150 societies, so whether your passion is for A Cappella singing or wildlife and conservation, you will find something to enjoy. For a list of societies affiliated to the Students’ Association visit: www.yourunion.net/activities/societies
- If you win awards for any of your extra-curricular achievements these will be listed on your Higher Education Achievement Award (HEAR) transcript when you graduate, providing you obtain formal recognition. Just under half of the students who graduated in 2013 had at least one achievement on their HEAR.

External opportunities

Most students undertake a variety of work experience placements or internships during their time at St Andrews. In recent years students have interned at a huge range of organisations including Accenture, Deloitte, JP Morgan, National Galleries of Scotland, the Naval Historical Centre in Washington, the Whale Conservation Network and many more.

The Careers Centre encourages you to document these experiences to benefit your peers. To learn more about what students have been doing during recent years visit the ‘Be Inspired’ section of the Careers Centre webpages and look at the work experience case studies: http://bit.ly/sta-careers-beinspired

International opportunities

The Careers Centre provides a dedicated service and knowledgeable staff for international students with country specific information on jobs, internships and networks of contacts. North America is especially well provided for with a series of dedicated networking events in the major cities for alumni and students. Alumni and parents provide an excellent network of supportive well-connected contacts.
**Student Enterprise**

The Student Enterprise Office within the Careers Centre aims to encourage students to build entrepreneurial skills and to promote business start-up as a viable career choice. We host Meet the Entrepreneur sessions, featuring both commercial and social entrepreneurs. Many of our guest entrepreneurs are graduates of St Andrews. We run an Ideas Competition every year, with a supporting range of seminars on topics such as finding ideas, turning ideas into opportunities, business planning, marketing, leadership and intellectual property matters. Business Gateway, the Scottish Institute for Enterprise (SIE), and Youth Business Scotland (part of the Prince's Trust) provide access to networks of support, advice and events available outside the University.

The Enterprise Adviser is available for one-to-one support and guidance. An SIE Student Enterprise intern works closely with various student societies. For further information visit: [www.st-andrews.ac.uk/enterprise](http://www.st-andrews.ac.uk/enterprise)

**Professional Skills Curriculum**

Hundreds of students engage with the University’s Professional Skills Curriculum. Over 30 different topics on skills employers’ value are delivered via evening and lunchtime lectures, online workshops and practical skill sessions. If you complete eight or more topics in an academic year you achieve a certificate and recognition on your degree transcript. For more information visit: [www.st-andrews.ac.uk/students/career-matters/professional-skills](http://www.st-andrews.ac.uk/students/career-matters/professional-skills)

**Recent Graduate Discount for postgraduate study**

When considering future career options at postgraduate level, the University of St Andrews offers a wide range of taught and research programmes and the Recent Graduate Discount is an initiative designed to recognise the loyalty of our students. A 10% discount in postgraduate tuition fees is available to students who graduate from St Andrews. For more information and eligibility criteria, please see: [www.st-andrews.ac.uk/study/pg/fees-and-funding/scholarships/recent-graduate-discount](http://www.st-andrews.ac.uk/study/pg/fees-and-funding/scholarships/recent-graduate-discount)

**Further information**

Careers Centre, University of St Andrews, 6 St Mary’s Place, St Andrews, Fife, KY16 9UY.

T: + 44 (0)1334 462688
E: careers@st-andrews.ac.uk
W: [www.st-andrews.ac.uk/careers](http://www.st-andrews.ac.uk/careers)

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**Undergraduate first destination statistics**

(for EU, including UK, graduates)

**January 2015**

Outcomes of graduates from summer 2014

<table>
<thead>
<tr>
<th>Outcome</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gained employment</td>
<td>45.1%</td>
</tr>
<tr>
<td>Work and further study</td>
<td>3.8%</td>
</tr>
<tr>
<td>Further study only</td>
<td>3.8%</td>
</tr>
<tr>
<td>Seeking employment</td>
<td>6%</td>
</tr>
<tr>
<td>Other e.g. “Taking time out to travel” or “Due to start work”</td>
<td>41.3%</td>
</tr>
</tbody>
</table>

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**What employers say about St Andrews graduates**

Graduates from the University of St Andrews have a good reputation with employers who say that they are impressed with the passion students have for their subject and the range of extra-curricular activities they undertake:

“… At PwC we value the skills and personal and professional development that University of St Andrews students are equipped with throughout their time at the University. That’s why we take part in many on-campus activities, and offer a wide range of opportunities. As a major recruiter of graduates, we recognise the important role played by the Careers Centre. It’s not just the type of degree that we look for, it’s the breadth of relevant attributes that develop the high-calibre, motivated individuals who are ready to apply to join us in professional services.”

Claire Burhouse
Student Recruitment Officer, PwC

“Museums contain many interesting objects and artefacts and to look after them, promote them and conserve them they need good people. We look for enthusiasm, energy, an open and a curious mind. The Careers Centre offers valuable advice to ensure your application stands out.”

Mark Macleod
Head of Infirmary Museum, University of Worcester

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I studied hard at university and built up a strong academic record which proved to my employer that I have the technical aptitude and work ethic to be an actuary. My actuarial internship enhanced my understanding of what actuaries do and provided me with valuable experiences to draw upon in my interviews. The sport I played at university and my work experience in retail acted as evidence of my ability to get on with others and function as part of a team.

Tom (MSc Mathematics and Statistics (2009))
Executive, Ernst & Young LLP

“My experiences at St Andrews, in particular the myriad of extra-curricular activities I took part in, were invaluable in getting my early placements and jobs. I’m not sure I noticed it at the time, but looking back, I can see much of the skills and experience I needed to begin my career emerging throughout my four years at St Andrews: I was responsible for raising money for STAR Radio through local and corporate sponsorship, I ran a theatre company under Mermaids and had to make funding applications to finance my productions, I had to draw up yearly society budgets and figure out where that money was going to come from, and I gained a huge amount of experience in marketing, design and event management.”

Philippa (MA Hons English (2008))
Head of Development, Classical Opera
The St Andrews connection

The University of St Andrews takes pride in its loyal alumni who, together with their parents and families, act as some of the University’s best ambassadors and supporters. St Andrews offers a unique and stimulating academic environment in which to live and study and many lifelong friendships are made here.

During your time at St Andrews

At St Andrews, your family is considered an integral part of the University community and this is recognised through our comprehensive Family Programme:

- Parents and guardians of first-year undergraduates are invited to attend a reception at the start of Orientation Week, when families are welcomed to the University community by the Principal and members of staff are on hand to answer questions regarding all aspects of your university life.

- Family Programme membership enables your parents or guardians to receive a copy of Chronicle, our annual magazine for alumni and friends of the University, Link, the bi-annual newsletter for parents, and a regular e-newsletter, St Andrews in the News, keeping them up-to-date with University news and developments throughout the year.

- Members also receive a SPARC benefit card which provides access to a range of benefits and services, including our online Love from Home service, run in conjunction with a local bakery, which allows families to mark special occasions by sending cakes and gift baskets to you in St Andrews.

- Families may choose to support the University in a variety of ways, including contributing to the Library through the Family Book Fund or volunteering as career contacts for Saint Connect, our Careers Alumni Network, to assist students and recent graduates.

After you graduate

While graduation marks the culmination of your years of hard work, the University aims, through its Alumni Relations programmes, to ensure that the celebratory Graduation Ceremonies, Garden Parties and Ball do not mark the end of the association of our graduates and their families with the University, but rather the beginning of a lifelong membership of our alumni community. As life members of the General Council, a governing body which meets twice a year, graduates have a first-hand opportunity to connect with the achievements and aspirations of the University, while contributing to discussions on matters of importance to its future.

Graduates are also entitled to:

- marry in either of the University’s two chapels.
- apply for life membership of the Students’ Association and the University Library,
- receive the annual magazine, Chronicle, with features about the University as well as information about clubs and events, reunions and news from former students.
- join St Andrews alumni clubs throughout the UK and abroad, enabling you to reconnect with old friends and find new ones amongst those who have shared the St Andrews experience.

When you graduate you will receive a SPARC alumni card which entitles you to a range of benefits and services, including access to SPARC, the online community for St Andrews alumni. Together with a dedicated email service and our presence on Facebook, Twitter and LinkedIn, it is easier than ever before for our alumni and friends to keep in touch with each other and with their alma mater.

www.st-andrews.ac.uk/alumni
Lifelong and flexible study

If you are in employment, have family or caring responsibilities or a health condition to manage, then part-time study might be the best option for you. Part-time study can also be a “taster” for those who are unsure about whether degree-level study is for them, and it can also meet the needs of those who might wish to take just a few degree-level modules in a subject or subjects of particular interest.

We offer degree programmes in the daytime or in the evenings.

**Part-time evening study**

Our evening programme is primarily designed for those who may have missed out on higher education, but feel they can succeed at degree level study. You may have some recent experience of study or you may be working in a demanding professional environment where organisational and/or technical skills have been tested.

Evening modules have small class sizes and you will study alongside students from a similar background. It is particularly suitable for those who have an active interest in a range of subject areas and do not necessarily wish to specialise in any particular one.

**The evening degree at a glance**

- Study for a Master of Arts (General) degree or Bachelor of Science (General) degree in three to nine years.
- Combine a range of modules and build up your degree programme.
- Part-time students with incomes below £25,000, taking more than 30 credits, may apply to SAAS (Student Awards Agency for Scotland) for the full tuition fee.
- Credit can be given for recent previous learning at higher education level (HNC, HND, OU, etc.)
- You can take classes on one or two evenings a week.
- September or January start.
- Subject areas can also be taken as stand-alone or as “taster” modules.

For more information and an application form please visit: www.st-andrews.ac.uk/study/ug/options/routes/part-time/evening-degree

Interviews will be held for all suitable applicants as part of the decision-making process.

“Combining a full-time career in nursing with a hectic family life, I have found the flexibility of the evening degree programme at St Andrews has allowed me to continue my professional development with a range of subjects that complement my areas of interest and enhance my existing qualifications. The quality of teaching and resources are second to none and the evening degree students and academic staff foster an ethos of inclusiveness and support.”

Sheena (Dundee, Scotland)

**Part-time daytime study**

If you are available during the day and meet the required level of recent qualifications, you can attend the same classes as our full-time MA (Master of Arts) or BSc (Bachelor of Science) students, taking one or two modules each semester instead of the full-time three. Through daytime study you can work towards the MA General degree or BSc General degree or work towards an Honours degree in a named subject (or subjects).

**Part-time daytime study at a glance**

- Entry qualifications need to be recent and of a similar level to those offered by our full-time students.
- The range of degree options includes Honours (typically six to eight years of part-time study) as well as the General degrees (four to six years part time).
- Students take one or two modules per semester, and will be studying alongside full-time students.
- Help and guidance in arranging a suitable timetable are readily available.
- Part-time students with incomes below £25,000, taking more than 30 credits, may apply to SAAS for the full tuition fee.
- Generally a September start (although January may be possible).
- Subject areas can also be taken as stand-alone modules.

For more information and an application form please visit: www.st-andrews.ac.uk/study/ug/options/routes/part-time/day-study

Interviews will be held for all suitable applicants as part of the decision-making process.
“Having been out of education for nearly ten years, I was unsure how I would cope with university. However, I was immediately impressed by the enthusiasm and expertise of the academic staff, who encouraged me to explore my interests and to have confidence in my ability. In second year, I was able to convert from a General degree to an Honours degree in Modern History with the support of the Lifelong Learning team. The presence of other students who have taken similarly unorthodox routes to higher education has also been vital in helping me adapt to St Andrews.”

Danny (Dundee, Scotland)
Access

The University of St Andrews is proud of its diverse and vibrant student community, and we continue to strive towards attracting students who have the talent and potential to succeed, regardless of personal or social circumstances.

Access to the University of St Andrews has always, and continues to be, at the forefront of our agenda. Our wide range of long-established initiatives and pioneering new projects engage with learners at every stage along their educational journey.

The Access team at St Andrews provides tailored information, advice and guidance to those students coming through alternative routes or from non-traditional backgrounds.

Whether you are a school leaver, college leaver or planning to go back to education after a significant break, we are committed to providing you with the information you need in order to make an informed choice about studying here. This could include ensuring that you have the right qualifications, support with your UCAS Personal Statement or simply arranging to visit the University.

We have designed, and we run, a number of programmes such as the Reach Project, Sutton Trust Summer School and the Shadowing Day Programme to give senior school pupils and college students a practical insight into student life at St Andrews. Please see our webpages for more information: www.st-andrews.ac.uk/study/access

Care leavers

The University of St Andrews offers additional support to care leavers, both during the application process and as a student at the University. This includes financial support and guidance as well as help finding 365 day a year accommodation. There is a dedicated Care Leaver Support Co-ordinator in place to ensure that this support is directed in an effective manner.

When applying to the University through UCAS please indicate if you have been in care. We can then contact you at the application stage to give you more information about the kind of support we can offer as well as put you in touch with our Care Leaver Support Co-ordinator.

For more information please see: www.st-andrews.ac.uk/study/access/care-leavers

UK qualifications

If you are not applying directly from school and you are studying for one of the following qualifications, we strongly recommend that you contact the Access team in order to seek guidance on preparing your UCAS application.

The following qualifications meet the minimum academic requirements for entry. However, the content of each qualification will be carefully assessed to ensure that it is relevant to the subject or subjects for which you have applied.

- **Higher National Certificate**: the current minimum entry requirement is an ‘A’ grade in all Graded Units. Normally a Higher National Certificate allows entry into first year only unless you attend a college with an articulation agreement with the University.
- **Higher National Diploma**: the current minimum entry requirement is an ‘A’ in all Graded Units. The Higher National Diploma allows entry into various years. You should check with Admissions before applying to ascertain which year of entry would be the most appropriate.
- **SWAP Access Programme**: the current minimum entry requirement is an ‘A’ grade profile on your SWAP Access Programme. It is recommended to undertake external SQA Higher examinations where possible but this is not essential for entry unless specifically stated.
- **Access Diploma to Higher Education**: we require 60 credits with a minimum of 45 credits at Level 3. Further to this we would require the Level 3 credits at Distinction and Merit. The number of credits required at Distinction or Merit along with specific subjects will depend on the course for which you are applying.

“I left school at sixteen and always regretted not having had the opportunity to study English literature at university. I returned to education in 2014, completed an Access course, and was delighted to find that I was successful in my university application. I am delighted that I have finally realised not only my dream but also my academic potential. My peer group are also friendly and supportive and my tutors are very approachable.”

**Lorraine** (Perth, Fife, Scotland)
The University offers Gateway programmes for those wishing to study for a degree in Computer Science or Physics. These programmes are designed for applicants with high academic potential who have fallen short of the minimum entrance requirements. The programmes provide students with enhanced academic support in their first year to gain the skills required for entry into the second year of the main programme. Please refer to the specific subject pages 76 and 138 for more information.

Senior school projects

The Access team run a number of projects and initiatives with schools, providing help and support with the transition to university. The following are examples of such projects.

- **First Chances** – in partnership with The Robertson Trust and our local schools this University project works in 12 Fife schools to deliver a programme for S3-S6 pupils. This will include tutoring sessions, revision camps, UCAS workshops, support with applications to college and university, transferable skills based workshops and summer camps. The programme also offers a flexible structure for care experienced young people.

- **Shadowing programme** – invites pupils from non-traditional backgrounds to spend a day shadowing an undergraduate student to appropriate lectures, tutorials and seminars as well as finding out more about university life.

- **Sutton Trust Summer School** – aimed at those who have the academic potential to do well at university, but who may not have family experience of higher education or who may have attended a state-sector school with little experience of sending pupils to the University of St Andrews. S5 / Year 12 pupils have the opportunity to sample student life at a free, week-long residential summer school.

Advice and guidance

- Working closely with schools and colleges, we actively promote the advantages of higher education.
- We attend HE Fairs, Careers Conventions and deliver informative talks and presentations to schools and colleges.
- Through conferences and information sessions, we continue to maintain strong links with teachers and advisers.
- Parents are welcome to contact us for advice or meet us at any relevant HE event or school convention.

These are just some of the services offered by the Access team. If you have any particular questions about applying to St Andrews please contact us.

Admissions
University of St Andrews, St Katharine’s West, 16 The Scores, St Andrews, Fife, KY16 9AX.
E: schools.access@st-andrews.ac.uk
student.recruitment@st-andrews.ac.uk
W: www.st-andrews.ac.uk/study/access

"My initial experience with the University was through the First Chances programme and I was then offered the chance to participate in a pilot-scheme partnership between my secondary school and the University. This was the Guided Access Programme (GAP).

This helped me to prepare for University life through full participation in two modules. I attended all the lectures, tutorials and sat the final examinations alongside current students. These programmes helped me overcome both the academic and personal concerns that I had about university life. The support I received from mentors, tutors and the Admissions team was invaluable in helping me decide that studying at St Andrews was right for me. This experience helped me immensely and I now mentor the latest First Chances participants in my role as a university ambassador."

Jonathan (Kennoway, Fife, Scotland)
Bachelor of Arts (International Honours)
St Andrews – William & Mary Joint Degree

Collaborative international learning

The Bachelor of Arts (International Honours) from the University of St Andrews and the College of William & Mary in Virginia, USA.

This innovative collaboration between two leading universities in the UK and USA provides a rare opportunity for today's students. You will receive a truly international education which will prove a great asset in the contemporary global and competitive job market. The Programme combines the depth of study for which St Andrews is renowned and the breadth characteristic of William & Mary's liberal arts tradition. The Joint Degree goes beyond the standard study abroad route in that it allows you to spend two years at each respective institution and yet graduate with a jointly awarded BA (International Honours) degree carrying the insignia of both institutions.

Structure

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

From the outset you elect to specialise in one of four subject areas: Economics, English, History (including significant study of a second language) or International Relations. In years one and two you have the opportunity to study from the broad curriculum offerings of the two institutions, as well as your chosen specialisation. The variety of subjects available can be viewed in the respective course catalogues at each institution.

Would you like to know more?

For comprehensive information, including details of the higher tuition fees for all students on this exciting international collaboration, please visit: www.st-andrews.ac.uk/study/ug/options/routes/wm

The College of William & Mary

- Founded in 1693, William & Mary is the second oldest college in the United States.
- Three former Presidents of the United States benefited from educational programmes offered by the College: Thomas Jefferson, James Monroe and John Tyler.
- US News and World Report ranks W&M the best small public university in the US, and the public university with the strongest commitment to teaching.
- Over 6,000 undergraduate students.
- Student: faculty ratio – 12:1.
- Nearly 400 student clubs and organisations.

“IT only makes sense for a student of international relations to have an international education, particularly at two of the most historic universities in the English-speaking world. The programme prepares students for career paths and educational opportunities all around the world, while fostering global sensibilities and perspectives.”

Matthew (Queensboro, North Carolina, USA)
BA (International Honours) – International Relations, 2017

“IT only makes sense for a student of international relations to have an international education, particularly at two of the most historic universities in the English-speaking world. The programme prepares students for career paths and educational opportunities all around the world, while fostering global sensibilities and perspectives.”

Elizabeth (Westport, Connecticut, USA)
BA (International Honours) – International Relations, 2017

BA (International Honours) programme route example

<table>
<thead>
<tr>
<th>Year One</th>
<th>Year Two</th>
<th>Year Three</th>
<th>Year Four</th>
</tr>
</thead>
<tbody>
<tr>
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<td>St Andrews</td>
<td>St Andrews</td>
<td>William &amp; Mary</td>
</tr>
</tbody>
</table>

BA (International Honours)

Return to Contents
Study Abroad opportunities

Study Abroad in the St Andrews degree programme

Whether it is exploring Australian marine life as part of a Biology programme at James Cook University in Queensland; or studying Psychology at the University of Toronto; or gaining a new perspective on International Relations at the University of Hong Kong, Study Abroad programmes play an important role in the University's commitment to a learning culture that is challenging, imaginative and flexible. The University is delighted to offer undergraduates in Arts, Divinity and Science a number of exciting opportunities to apply to spend a semester or year abroad as part of a St Andrews degree programme. We are partnered with large and small institutions, ancient and young, across the globe. Some offer an intimate campus experience; others are located in the heart of a major metropolis, from Beijing to 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 world-class 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 or a full academic year, while others involve a full academic year abroad (usually Junior Honours year).
- Opportunities are available in most degree programmes in Arts, Divinity and Science.
- Some programmes are competitive and the main criterion is a strong academic record.
- Approved courses abroad will count towards your St Andrews degree programme.
- 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 of Study Abroad.

Before applying to study abroad, it is important to think about your financial circumstances carefully. 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 and supplies; and medical insurance. Please also note that accommodation is not guaranteed at our partner universities. For full details, please visit the Study Abroad webpages.

St Andrews Abroad as of 2016 - 2017

- 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.

<table>
<thead>
<tr>
<th>Country</th>
<th>St Andrews Abroad Partner Institutions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia</td>
<td>University of Melbourne</td>
</tr>
<tr>
<td>Canada</td>
<td>Queen’s University</td>
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<tr>
<td></td>
<td>University of Toronto</td>
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<td>Western University</td>
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<td>New Zealand</td>
<td>University of Auckland</td>
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<td>Singapore</td>
<td>National University of Singapore</td>
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<td>United States</td>
<td>University of California</td>
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<td>University of North Carolina, Chapel Hill</td>
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<td></td>
<td>Purdue University</td>
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<td>University of Richmond</td>
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<td>University of Virginia</td>
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<td></td>
<td>Washington College</td>
</tr>
<tr>
<td></td>
<td>College of William &amp; Mary</td>
</tr>
</tbody>
</table>

School Study Abroad programmes

- School Study Abroad programmes are programmes for students in specific disciplines.
- Several Schools have Erasmus+ links with other European institutions.
- Some European partners offer courses in English, so you do not have to study a language to participate.
- A number of Schools have established Study Abroad programmes outside Europe, including Australia, China, the Middle East and Uruguay.
- In 2016 - 2017 the University has more than 40 subject-specific Study Abroad programmes in 18 countries.

For a full list of destinations and participating Schools, please see: www.st-andrews.ac.uk/studyabroad/outgoingstudents

Please refer also to individual subject pages 56 - 151.

“Studying abroad in Hong Kong was the best thing I have ever done; my academic experience was fantastic. Don’t get me wrong, it was challenging and incredibly busy but, at the same time, it was stimulating, engaging, and full of opportunities. The classes I took on Southeast Asia, and the knowledge imparted to me by my professors, allowed me to gain new perspectives which I could not have acquired anywhere else.”

Jennifer (Aberdeen, Scotland)
Studied in Hong Kong
“I spent my year abroad working in the Netherlands. I gained invaluable experience working in a research and development department which has really improved my CV. You see a lot of job adverts asking for previous experience and that was what I was able to gain during my year abroad. It was really a unique experience; I felt valued as my project was something up and coming, so little research had been done on the subject and the company entrusted me with it.”

Naomi (Blackpool, Lancashire, England)
Worked in The Netherlands

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, in Chemistry and in Modern Languages, you may apply to undertake a work placement abroad for credit. For further information on MBiochem, MMarBiol and MBiol External Placements, please refer to page 62. For further information on Chemistry External Placements, please refer to page 66. For further information on working abroad as part of a Modern Languages degree, please refer to page 130.

Before applying to work abroad, it is important to think about your financial circumstances carefully. The costs involved in working 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 and supplies; and medical insurance. For full details, please visit the Study Abroad webpages.

Erasmus+
The Erasmus+ programme is a European project run by the European Commission, and is running from 2014 to 2020. It is intended to support activities in education, training, youth and sport in all sectors of lifelong learning including higher education. For additional information regarding the current entrance requirements together with the procedures and deadlines for application can be found on the Collaborations & Study Abroad webpages.

Study Abroad at St Andrews

Exchange opportunities
The University of St Andrews has partner institutions within Europe and throughout the rest of the world. Exchange students can apply to spend either a semester or a full academic year at St Andrews.

International Study Abroad Programme
A large number of Study Abroad students attend St Andrews each year from all over the world (programme fee attached).

Inbound Exchange and Study Abroad students can choose to study a range of subjects, at a range of levels, in the Faculties of Arts, Divinity or Science. If you wish to study Honours-level modules you should ensure that you have the requisite background knowledge – for most subjects this means prior study at university level. If you are attending St Andrews on subject-specific exchange programmes you may be permitted to take additional courses in other subjects.

Entrance requirements and how to apply
Entrance to the University of St Andrews is highly competitive and applicants are expected to have a strong overall average grade and evidence of English language proficiency. Information on subject-specific exchange programmes you may be permitted to take additional courses in other subjects.

Further information
For further information on all of our exchange and Study Abroad programmes, including details of our current partner institutions and details of Erasmus+, please check the Collaborations & Study Abroad webpages: www.st-andrews.ac.uk/studyabroad and www.st-andrews.ac.uk/studyabroad/outgoingstudents/erasmus

Collaborations & Study Abroad
E: studyabroad@st-andrews.ac.uk
T: +44 (0)1334 462245

For information about the Robert T “Bobby” Jones Memorial Scholarship, (Emory University, Atlanta), please contact Development. E: roberttjones@st-andrews.ac.uk

“My study abroad experience was nothing short of incredible. I made new friends from all across the world, experienced an excitingly different academic model, and travelled throughout Scotland, the UK, and Europe. St Andrews is truly a special place, and I’m jealous of all the new visiting students who have a full semester to look forward to.”

Dan (Bedford, New York, USA)
Study Abroad student from Cornell University, USA
English Language Teaching

English Language Teaching is a dynamic department offering a range of courses and programmes. These include:

- **pre-sessional language** and academic skills courses for those who have received an offer to study at St Andrews.
- modules in English as a Foreign Language and Academic English for students who use English as an additional language.
- modules in the Foundations of Language (Introductory Linguistics) open to all students.
- English language and academic literacy development: workshops, tutorials and online materials.
- Introductory TEFL training for students.

## Pre-sessional English language and academic skills courses

Our two-week and four-week pre-sessional courses offer international students a flying start to their university career, providing an opportunity for you to develop your use of English for academic purposes and receive a useful orientation to life at St Andrews.

With an emphasis on academic writing and the use of sources, they ensure you are well-prepared for the kinds of assignments required on your degree programmes. You will attend an interesting series of lectures on a range of topics and develop strategies for successful note-taking. You will participate in seminars, work in groups and receive personalised feedback on your writing and presentations. There are also plenty of opportunities for socialising, including Scottish ceilidh dancing and visits to places of interest nearby.

If your first language is not English, we strongly recommend the four-week course for the best possible start to your studies in St Andrews. You will have time to find your way around the University, improve your English and familiarise yourself with UK cultural conventions.

If you come from a non-UK educational background, you may appreciate our two-week course, which focuses on academic writing conventions and provides a practical orientation to life in the UK and at St Andrews.

Students with advanced levels of English find these courses an enjoyable and useful introduction to university study.

For further information contact Jonathan Harvey.
E: elt@st-andrews.ac.uk

Students whose language qualifications do not satisfy the University requirements may be asked to attend the four-week course as a condition of entry. For further information contact ELT E: elt@st-andrews.ac.uk

www.st-andrews.ac.uk/elt

### In-sessional English Language Service (IELS)

The University’s English language service is available to any student who does not have English as their first language. The Service provides a range of workshops and bookable individualised tutorials. The workshops focus on specific language levels or student groups; the bookable tutorials are suitable for developing a self-study plan or for receiving feedback on the structure of a longer piece of writing.

### Credit-bearing modules as part of your degree

#### First Year

Class sizes: typically between 12 - 14 students.

**English as a Foreign Language A & B**
These modules are specifically for students who use English as a second or additional language. The syllabus integrates language-related classes with lectures on UK culture and society. There is a focus on speaking, listening and writing, in both academic and non-academic contexts. You will find these modules particularly useful if you are a non-graduating student who is attending the University for one year or one semester only.

**Foundations of Language 1 & 2**
These modules are for all students, regardless of language background. If you are interested in language and linguistics, these modules will give you a real insight into how language works and cover key concepts relating to grammar, word formation, sentence structure, how sounds can be analysed, how language is acquired and how language is used to negotiate meaning. These modules complement study of modern languages, psychology, social anthropology, philosophy, or any discipline which explores the nature of human language and communication.

#### Second Year

**Academic English 1 & 2**
If you use English as an additional language, these modules will help you develop your proficiency in English, specifically in an academic context. Focusing on essay planning, structuring and appropriate citing and referencing skills, you will have the opportunity to apply language and skills in a way that is both integrated with and appropriate for your own academic discipline.

### Introduction to TEFL

We offer short introductory TEFL courses which provide valuable initial training if you are considering teaching English as a foreign language. These are particularly useful if you are planning to spend a year abroad as part of a degree in Modern Languages. For further information please contact Rosalind Doig.
E: rd21@st-andrews.ac.uk
The Centre for International Foundation Programmes (CIFP) provides well-established and widely-recognised undergraduate pre-degree foundation programmes for international students. These programmes are specifically designed to bridge the gap between national school-leaving qualifications and the demands of a degree programme at the University of St Andrews or another UK university.

These programmes will introduce you to the critical, analytical approach to learning expected in UK universities. Our programmes offer courses in a number of subject areas to develop your knowledge as well as enabling you to develop the academic skills and high levels of English language proficiency you will need for successful study at degree level in another language and in a different cultural context.

Our one-year International Foundation Programmes provide an entry route into undergraduate degree programmes across our Faculties, and are widely recognised by other top-ranking British universities: some of our students have gone on to do degrees in engineering, law, pharmacy and actuarial science elsewhere. There are five pathways, namely:

- Management, Economics & Finance
- Social Sciences & Humanities
- Science
- Medicine
- January intake (Arts & Science or Pathway to Medicine)

Learning and teaching

Our professional and experienced University teaching staff will give you the tools to follow lectures on complex topics in another language and to research and write essays in an appropriately academic style. We will help you to develop the skills you need, and teach you the techniques and strategies to use when faced with many different types of assessment. Our detailed feedback on your assignments will help you to make consistent progress.

Our teaching takes place in small multinational and multicultural groups so that you will benefit greatly from debate with your fellow students from different countries and cultural backgrounds, as well as with your tutors.

Medicine and Sciences

The International Foundation Programmes for Medicine and for Science are taught in conjunction with the Schools in the Faculties of Science and Medicine. You will take first year modules along with first year students, whilst following courses in Academic English and Communication Skills as well as subject-specific courses such as Medical Ethics and Higher Chemistry. This ensures that the knowledge you acquire in the classroom reinforces the knowledge and skills learned in the lecture theatre and laboratory. Science students with high grades at the end of the programme may be permitted to progress on to the second year of a degree in their chosen science.

Entrance requirements

The International Foundation Programmes are for overseas students with national school-leaving qualifications (rather than international qualifications such as IB, A-Levels or APs), or for those who need to develop additional language proficiency. Successful completion of a foundation programme in Science, Arts, Social Sciences & Humanities and Management, Economics & Finance satisfies our undergraduate entrance requirements and guarantees progression to undergraduate level. Successful Medicine students must meet additional School of Medicine entrance requirements before they can enter undergraduate Medicine. Details can be found on our webpage: www.st-andrews.ac.uk/elt/foundation/medicine

Entry to our Foundation Programmes requires an excellent high school transcript from your own country, and IELTS 5.5 - 6.5, (Academic, for UKVI) depending on the programme. Further requirements for Medicine can be found on our webpages and, for all programmes, you will also be interviewed, either in your country or online.

E: cifp@st-andrews.ac.uk
www.st-andrews.ac.uk/elt/foundation

“I believe that these courses are very well picked, organised and interrelated since they provide the basis that is needed for any subject that you’re going to study further at university. There is a genuinely friendly environment and teachers are always very willing to help with any problems students have.”

Ipek (Istanbul, Turkey)

“Studying with people from so many different nationalities taught me so much more than just subject knowledge. The foundation programme gave me confidence to face the UK education system.”

Caio (Goiania, Brazil)
How and when to apply

Every year, thousands of the world’s best students apply to study with us. We are interested in those students who will challenge ideas, make innovative findings, use their leadership talents in new areas, and take advantage of the breadth as well as the flexibility of the University’s offerings.

Apply through UCAS

For all full-time degree courses, applicants should apply online through the Universities and Colleges Admissions Service (UCAS) where full information on the application procedure will be found. An application fee is payable to UCAS when you submit your completed application.

UCAS application deadlines
- 15 October – Medicine (UK/EU applicants)
- 15 January – All other UK/EU applicants
- 31 January – Medicine (International)
- 30 June – All other International applicants

All applications received before these deadlines will receive equal consideration.

W: www.ucas.com
T: 0371 4680 468 (UK)
     +44 330 3330 230 (outside the UK)

Checklist of the UCAS application process

Here is a checklist to help you with your UCAS application if you wish to apply to the University of St Andrews.

✓ Check the courses available by using our degree list or visit the UCAS website where you may use the Course Search facility to look for courses in your chosen subject area.
✓ Check the minimum grades and any subject specific pre-requisites for the course.
✓ Check the Faculty Entrance Requirements for the degree programme, see page 53.
✓ If there is a choice of course between the Faculties of Arts (MA) and Science (BSc) decide which Faculty is for you.
✓ Draft your UCAS Personal Statement carefully so that it reflects your choice of course(s).
✓ Submit your UCAS application by the appropriate deadline.

What do we look for in an application?

Academic decision-making and criteria setting are at the heart of the selection and decision making processes. All applications are assessed by Admissions Officers within Admissions, guided by designated staff in each academic School. Decisions are supported by professional and experienced staff from Admissions and Registry which includes the provision of relevant information, management of data and processing of applications.

Where places are limited, we offer them to those eligible applicants who best meet our selection criteria, and who are judged by our academic Admissions Officers to have the most potential to benefit from their chosen course and to contribute to the academic School and the University. Selection for an offer of a place will include consideration of the following information as part of your application.

• Academic qualifications, both already gained and/or predicted.
• The context in which qualifications have been, or will be, achieved.
• Personal Statement: this is a very important part of your application. Most of our applicants will be well qualified so decisions on who will receive offers will often be determined by the quality of the Personal Statement. You are encouraged to spend time drafting and rewriting your statement so that it is structured and well written.
• Academic references.
• Where appropriate, performance at interview.
• Where appropriate, relevant work or other experience.
• Where appropriate, English language proficiency.

Will I be interviewed?

The majority of applicants will not be required to attend an interview as part of the application process. The exceptions to this will be if you are applying for:

• Medicine
• Gateway to Physics
• Gateway to Computer Science
• Part-time study
• General degree

Return to Contents
**International students**

You may only use one method of application to the University of St Andrews: via UCAS, the Common Application or by Direct Application. All applications are assessed on a rolling basis, meaning that a decision will usually be communicated to you within four weeks of receiving a completed application (with the exception of Medicine).

- **UCAS**: Please read the section opposite for further information. www.ucas.com
- **Direct Application**: International applicants who are not applying to any other UK university and who are liable to pay tuition fees at the overseas rate may apply to us directly. Direct Application forms and guidance notes are available from: www.st-andrews.ac.uk/study/ug/apply/direct
- **Common Application**: Applicants from the USA and overseas may apply using the Common Application. The deadline for submission, including the supplement, is 1 May.

Further details on all of these application methods can be found at: www.st-andrews.ac.uk/study/ug/apply/common-application

**Direct entry into second year**

It is possible for well-qualified school leavers to apply for admission directly into the second year of some science degree programmes. A BSc Honours degree may thus be obtained in three years and an MBiochem, MChem, MGeol, MMath, MPhys, MSci in four years rather than five.

HNC or HND students may also wish to contact academic Schools to enquire whether you meet entrance requirements for direct entry to second year.

You should bear in mind that direct entry into second year may reduce the flexibility of choice which is normally found within the Scottish four-year Honours degree. Students entering directly into second year will also be taking Honours entry exams in the first exam diet after they arrive. We strongly advise applicants considering direct entry into second year to contact the academic School to discuss this option.

**Deferred applications**

Applications for deferred entry will be considered on an individual basis; however you should be aware that only a very small number of deferred offers are made each year. Academic Schools may vary the number of deferred offers made for their programmes each cycle so you should check the most recent information regarding deferrals before making an application.

**Transferring from another university**

Applications from students wishing to transfer from other higher education institutions 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 to exceptionally well qualified students. Applications to transfer must be made through UCAS and are subject to the UCAS deadline of 15 January. You should highlight your intention to transfer clearly, and address your reasons for wishing to move from your current institution in your Personal Statement.

**Recognition of Prior Learning**

In some cases the University can recognise prior learning (RPL) that the applicant has undertaken. RPL can take the form of courses that have been obtained at college or through other education providers. RPL can enhance an application for admission to a degree programme and in some instances gain the applicant entry with advanced standing, entry to second year, or credit transfer. www.st-andrews.ac.uk/media/study/documents/ug/recognition-of-prior-learning.pdf

**Application decisions**

The decision made could be:

1. **An Unconditional Offer**
   This means that the academic conditions required for entry have already been satisfied and an offer of a place has been made.

2. **A Conditional Offer**
   This means that the academic conditions required for entry have not yet been satisfied and the offer is subject to these being obtained.

3. **We are unable to offer you a place**
   Regrettably, we receive many more applications from well-qualified applicants than we have places to offer.

**Any questions?**

If you have applied to St Andrews and have any questions, please contact us:

E: myapplication@st-andrews.ac.uk
T: +44 (0)1334 462150
F: +44 (0)1334 463330

If you have not yet applied and have any questions, please contact us:

E: student.recruitment@st-andrews.ac.uk (UK/EU)
   international@st-andrews.ac.uk (Rest of the World)
Your qualifications

UK qualifications

Curriculum for Excellence
The University of St Andrews is committed to ensuring that with the introduction of the Curriculum for Excellence prospective students are well informed of any changes relating to admissions.

For admissions in 2017 the University will use the following grades for the new National 5 qualification.

<table>
<thead>
<tr>
<th>National 5</th>
<th>Standard Grade</th>
<th>Intermediate 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>1</td>
<td>A</td>
</tr>
<tr>
<td>B</td>
<td>2</td>
<td>B</td>
</tr>
</tbody>
</table>

National 4 qualifications will not be accepted for selection and admission purposes.

The University guidelines on entrance requirements in response to the Curriculum for Excellence can be found at: www.st-andrews.ac.uk/study/ug/policy/curriculum-for-excellence

SQA Highers
For the majority of Scottish domiciled applicants Highers are the main basis of admission into first year. Most first year applicants will receive offers based on their Highers achieved in a single sitting.

All subjects at Higher are acceptable for entrance to the University of St Andrews. However, competition for certain degree programmes is extremely high and so 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 university entry. They are required, however, for direct entry into second year for subjects where that is an option (see page 51). (For Medicine S6 requirements see page 126).

Scottish Baccalaureate
The University of St Andrews will consider individual components of the Scottish Baccalaureate in conjunction with other Highers and Advanced Highers.

GCE A-Levels and AS-Levels
Admission is normally based on the achievement of three full GCE A-Levels in one sitting.

We do not consider the following A-Levels during our decision making and they will not form part of any offer that is made:

- Citizenship Studies
- Critical Thinking
- General Studies

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 Undergraduate Admissions Policy to ensure consistency, fairness and contextual consideration. Admissions decisions will also take GCSE results into account.

Cambridge Pre-U
Admission will be based upon three Pre-U Principal Subjects, or a suitable combination of three Pre-U Principal Subjects and A-Level subjects.

International Baccalaureate
The successful award of the International Baccalaureate (IB) Diploma is the basis for admission. If you are taking individual units of the IB Certificate qualification you will, in addition, normally be expected to have completed a recognised national secondary school leaving qualification and be expected to complete a foundation year.

Welsh Baccalaureate
The Welsh Baccalaureate Advanced Diploma is acceptable in combination with two A-Levels.

EU/EEA qualifications
The University of St Andrews welcomes applicants with national qualifications from European Union member states. We require applicants to meet the Faculty Entrance Requirements along with course-specific requirements.

International qualifications
The University of St Andrews welcomes students from around the world, and currently has undergraduates from more than 100 different countries.

All applicants must fulfil the Faculty Entrance Requirements, see opposite. Equivalent international school-leaving certificates, matriculation certificates, technical college diplomas, university degrees, and other qualifications can be accepted in complete or partial satisfaction of the Faculty Entrance Requirements.

USA
You should have a high school transcript and provide this with a copy of your school profile. We are looking for a minimum grade of A across academic subjects, or 89%+. Course selection should be College Preparatory and Honors level.

In addition we require at least one form of standardised test:

- SAT (new): A competitive score is required, including the essay
- SAT Subject Tests: 600+ (with 700+ on all pre-requisite subjects)
- ACT: 28+
- APs: grades of 4 or 5 (5 on any pre-requisite subject)

Canada
Canadian students from Alberta, British Columbia, Manitoba, Ontario and Quebec should have an 85%+ average on their High School Diploma.
**Other qualifications**

Not all international school-leaving certificates meet the University’s normal entrance requirements.

Many international qualifications may also be consolidated by completion of a pre-degree international foundation programme at St Andrews. (See page 49.)

**English language requirements**

If you use English as a second or additional language you will need to provide evidence that your English is proficient enough for you to be able to study effectively and benefit from our programmes. If you have not completed a significant part of your education in a majority English-speaking country, we require an English language test certificate – usually not more than two years old. We accept a number of English language qualifications including IELTS (Academic), CAE, CPE and the Pearson Test of English (Academic).

**Contact us**

For information on our minimum entrance requirements across a range of international qualifications, please see: www.st-andrews.ac.uk/study/entrance-requirements

For the latest list of English language qualifications we can accept, please refer to: www.st-andrews.ac.uk/elt/entry

For further information on qualifications please contact us using the relevant email address:

**UK/EU students:** student.recruitment@st-andrews.ac.uk
**International students:** international@st-andrews.ac.uk
**International Foundation students:** cifp@st-andrews.ac.uk

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### Faculty Entrance Requirements

**Faculty of Arts** and **Faculty of Divinity**

Specific subject entrance requirements listed on the subject pages are in addition to the following minimum Faculty Requirements. Applicants must satisfy one of the following:

1) SQA National 5 (B or above) or equivalent in English and Mathematics (or an approved science*).
2) GCSE (B or above) in English and Mathematics.
3) Passes in other examinations at such levels and in such subjects as the Dean of the Faculty may accept as a qualification equivalent to those mentioned.

**Examples:**
- National 5 Lifeskills Mathematics Grade A
- IB Standard Level (SL) or Higher Level (HL) in English and Mathematics.

The Dean of the Faculty may grant exemptions from these conditions under some circumstances.

**Faculty of Medicine**

Please see page 126.

**Faculty of Science**

Specific subject entrance requirements listed on the subject pages are in addition to the following minimum Faculty Requirements. Applicants must satisfy one of the following:

1) SQA National 5 (B or above) or equivalent in English and Mathematics (or an approved science*) AND two SQA Highers in approved science* subjects.
2) GCSE (B or above) in English and Mathematics AND one GCE A-Level in approved science* subjects.
3) Passes in other examinations at such levels and in such subjects as the Dean of the Faculty may accept as a qualification equivalent to those mentioned.

**Example:**
- IB Standard Level (SL) or Higher Level (HL) in English and Mathematics AND one HL in an approved science*.

The Dean of the Faculty may grant exemptions from these conditions under some circumstances.

* Approved sciences: Biology, Chemistry, Computing Science or equivalent, Geography, Geology, Mathematics, Physics, Psychology.
“As students, we are encouraged to embark on an independent journey of academic and self-discovery whilst having access to a network of academic, social and welfare support.”

Francesca (Tadworth, Surrey, England)
You can find more information on the wide range of subjects we offer on the following pages . . .
Ancient History

* See also: Classical Studies page 70, Classics page 72, Greek page 102, Latin page 118

Degree options in the Faculty of Arts

**MA (Single Honours Degrees)**

- Ancient History
- Ancient History & Archaeology

**MA (Joint Honours Degrees)**

Ancient History and one of:

- Art History
- Biblical Studies
- Comparative Literature
- Economics
- Film Studies
- French
- German
- Greek
- International Relations
- Latin
- Mathematics
- Mediaeval History
- Persian
- Philosophy
- Social Anthropology
- Spanish

Ancient History & Archaeology and Social Anthropology

Ancient History and two Modern Languages

Any combination of Arabic, French, German, Italian, Russian, Persian, Russian

International Relations

Ancient History & Archaeology and Social Anthropology

Entrance Requirements

Obtaining the following grades will not guarantee you a place as we consider all aspects of every application, including the Personal Statement.

**SQA Highers:** ABBB

**GCE A-Levels:** AAB

**International Baccalaureate Points:** 36

We strongly recommend that all applicants have a qualification in a modern or ancient foreign language at National 5 / GCSE level, or equivalent.

For full Faculty Entrance Requirements, see page 53.

For degrees combining more than one subject, the subject with the higher Entrance Requirements determines the grades you need. You will also need to meet any further subject-specific Entrance Requirements as outlined on their pages.

For further country-specific qualifications and pre-degree foundation programmes see:

[www.st-andrews.ac.uk/study/international](http://www.st-andrews.ac.uk/study/international)

**Do I need previous knowledge of this subject?** – No.

Features

* Part of the largest School in Scotland specialising in Ancient History.
* Broad choice of periods and topics on offer, from the archaeology of Greece to the politics of the later Roman Empire.
* Teaching by specialists in both historical and archaeological evidence.
* Friendly but academically challenging departmental ethos.
* Active undergraduate Archaeological Society.
* The School of Classics was rated first in Scotland and second in the UK in the Research Excellence Framework 2014.
* Fieldwork – students are encouraged to apply for a placement on one of our own staff’s fieldwork programmes or on an archaeological project or at one of the British School Summer Schools.
* Travel bursaries are available for approved programmes.

Facilities and resources

Classics is housed in Swallowgate, an attractive building which overlooks the sea and is only a few yards away from the University Library and the main quadrangle. There are computing facilities in the building, seminar rooms and staff offices. The School has its own Library, supplementing the University Library’s major holdings of books and periodicals.

What will I study?

Ancient History in St Andrews comprises the study of ancient Greece and Rome, and of neighbouring peoples such as the Persians and Carthaginians. You study the period from the beginning of Greek writing and urbanism in the eighth century BCE to the collapse of the western Roman Empire during the fifth century CE. Geographically the subject is centred on the Mediterranean World, but at times is extended from the Persian Gulf to the Clyde and from the Crimea to the Sahara. Current modules include The Archaeology of Minoan Crete, Persia and the Greeks, Alexander the Great and Death in Roman Culture. The subject is vast and growing every day, especially through new archaeological research and through interdisciplinary collaborations.

Ancient History is taught by a team of internationally-acclaimed scholars. Together we offer not just modules on Greece and Rome but also on archaeological and literary topics. Friendly contact is established from the start through small tutorial groups that enable you to get to know the staff and other students very quickly. All our Ancient History staff share the lecturing in first year.

Ancient History & Archaeology

If you choose this degree, we offer a wide range of modules at Honours that are entirely or largely archaeological in content. The core module Principles and Techniques in Archaeology is complemented by options such as The Ancient City of Rome, The Archaeology of Roman Britain and the module In the Footsteps of the Ancients, which incorporates a fieldtrip to Greece. Many
“The Ancient History Department offers students the opportunity to study a wide range of hugely interesting topics, with plenty of choice and flexibility. The expert tutors are open, friendly, and genuinely invest time in ensuring you achieve the best you possibly can. Students also have access to the incredibly well stocked Classics Library, with breathtaking views over the North Sea; I can spend whole afternoons there lost in a good book.”

Caitie (Dunning, Perth and Kinross, Scotland)

students also choose to write a dissertation on a subject of archaeological and historical interest. Candidates for this degree often attend the Summer Schools run at the British Schools of Athens or Rome.

Indicative programme information

First Year (2 x 20-credit modules required)
These modules assume no previous study of Ancient History or classical languages: any student is eligible to join. The first module traces the history of the Greek world from Archaic Greece to Alexander the Great. The second module follows Rome from its beginnings to the Emperor Augustus. They introduce political, social and archaeological aspects of civilisations that contributed much to later European culture. Lectures outline the major themes and questions, while the tutorials allow you to study key sources from the ancient world (in translation), so you are working directly with the evidence right from the start. These modules are complementary but may also be taken independently.

Second Year (2 x 20-credit modules required)
Two more advanced modules, again complementary but independent: an investigation of the social, economic, administrative and religious history of the Roman Empire from Augustus to Constantine; and a study of the history of human settlement in the Mediterranean throughout classical antiquity. The rise and fall of classical civilisation is examined, with emphasis on archaeological evidence. These modules bridge the gap to Honours through focused assessment methods, including deeper analysis and practical tutorials using the University’s archaeological collections.

Honours – Third and Fourth Years
There is a wide choice of modules at this stage, covering a wide range of periods (from The Archaeology of the Cyclades to Government and Society under Diocletian) and showcasing different historical approaches: political (Alexander the Great, Ancient Empires), military (The Roman Army), social (Roman Slavery), cultural (Cities and Urban Life in Late Antiquity (300-700 CE) and art-historical (Art of the Roman Empire, Classical Temple to Christian Basilica). See www.st-andrews.ac.uk/coursecatalogue for a full list of modules. Honours modules in the School carry 30 credits, so you study two modules each semester in Honours.

Study abroad
You may apply to the University’s St Andrews Abroad programme. See page 46.

In the academic year 2016-2017, students in the School of Classics may apply to spend one or two semesters at the University of Leiden as part of our Erasmus+ exchange.

For options available during your intended period of study, see: www.st-andrews.ac.uk/studyabroad/outgoingstudents

For further information about eligibility, the application and selection process, and costs involved, please see: www.st-andrews.ac.uk/studyabroad

Typical class sizes and teaching information
First Year: lectures 80 - 100, tutorials 8 - 12
Second Year: lectures 60 - 80, tutorials 8 - 12
Honours: seminars 10 - 20

In your first year, you will typically attend three lectures each week, in addition to a seminar in some weeks. At Honours you will learn, debate and make presentations in lively seminars. You will spend a lot of time at all stages in reading and guided independent study.

Typical methods of assessment
Assessment throughout the degree is generally 50% assessed coursework and 50% by examination, taken at the end of the semester. Some Honours modules, however, are assessed solely or mainly on coursework, and others include practical assessment. The final class of degree is based on marks awarded over the last two years.

All Single Honours students write a dissertation in their fourth year and this allows them to specialise in an area of their own key interest.

Final year students may obtain teaching experience and mentoring from teachers in local secondary schools.

Additional compulsory charges
The optional Honours module In the Footsteps of the Ancients includes a compulsory field trip in Greece. Students paid £500 in 2015 for accommodation, travel within Greece and entry permits. They must also pay for travel and health insurance, the flights to and from Greece, and meals other than breakfast. Some financial help may be available.

Careers

As contemporary channels of internet and television make world events more immediate and accessible, the ancient world is becoming ever more relevant in the lessons it has to offer. Increasingly economists, politicians and lawmakers are considering past histories and their relevance to future policy and strategy. Many graduates also use their degrees more directly in teaching, museums or archaeology.

Our Ancient History graduates can be found in a wide range of professions, including the law, audit, accountancy and teaching. They include administrators in the NHS and universities, civil servants, nurses, and bankers. Some use their IT skills in schools, some their pastoral skills in Human Resources and others their organising skills in events and conference management. Further training has led to curatorial posts in museums, whilst others are continuing to pursue their academic studies in ancient history, heritage management and archaeology. For more information: http://bit.ly/sta-classics-careers

See also page 36 for details of the University’s Careers Centre.

Return to Subjects
### Arabic

See also History – Middle East Studies page 108  
See also Modern Languages page 130

‘With Integrated Year Abroad Degrees’ are only available where the WIYA is taken in another language.

#### Degree options in the Faculty of Arts

**MA (Joint Honours Degrees)**
- Arabic and one of:
  - Art History (European & North American Art)
  - Comparative Literature
  - Economics
  - English
  - Film Studies
  - French
  - Geography
  - German
  - Hebrew
  - International Relations
  - Italian

- Available With Integrated Year Abroad – see Modern Languages.

**BSc “With” Degree**
- Honours in which the majority of the course deals with the first named subject:
  - Biology with Arabic

**MA (Honours Degrees) in:**
- Arabic and two of French, German, Italian, Persian, Russian, Spanish
- Arabic and (one of French, German, Italian, Russian, Spanish) and Comparative Literature
- Modern Languages (Arabic and [one of French, German], Italian, Persian, Russian, Spanish) and one of Ancient History, English, International Relations, Latin, Management
- Modern Languages (Arabic and [one of French, Italian, Persian, Russian, Spanish]) and Classical Studies
- Modern Languages (Arabic and Persian) and Middle East Studies
- Mediaeval Studies (see page 106)

- German-Latin combinations are not available due to a timetable clash.
- German-Management combinations are only available to non-beginners in German.
- Where first-level Russian modules clash with EN1003 and/or EN1004 then CO1001 and/or CO1002 should be taken instead.
- Russian-Ancient History and Russian-Management combinations are not possible due to a timetable clash.
- Classical Studies-Spanish combinations are not available due to a timetable clash.

### Entrance Requirements

Obtaining the following grades will not guarantee you a place as we consider all aspects of every application, including the Personal Statement.

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

For full Faculty Entrance Requirements, see page 53.

For degrees combining more than one subject, the subject with the higher Entrance Requirements determines the grades you need. You will also need to meet any further subject-specific Entrance Requirements as outlined on their pages.

For further country-specific qualifications and pre-degree foundation programmes see: www.st-andrews.ac.uk/study/international

**Do I need knowledge of this subject?** – No.

### Subject enquiries

**Ms Catherine Cobham**  
E: arabhod@st-andrews.ac.uk

### Features

- The Department of Arabic and Persian also offers Persian language classes at all levels. See page 134.
- Undergraduate societies – the Middle East Society, the Islamic Society and the Middle Eastern Film Group.
- Access to events in the Institute of Middle East, Central Asia and Caucasus Studies, the Institute of Iranian Studies and those organised by Middle Eastern Studies within the School of History.
- An annual prize is awarded to the best student in first and second year Arabic.
- The ground-breaking research project Language – Philology – Culture. Arab Cultural Semantics in Transition is running in the Department until 2018.
- Arabic was ranked first in the UK in the Complete University Guide for 2016.

### What will I study?

The topics covered in the modules include the language of the Arabic media, and classical and modern Arabic language and literature. The building of a high level of competence in language skills is a priority in all modules, and you will be expected to write using correct spelling, grammar and punctuation in both Arabic and English.
“The Arabic programme at St Andrews not only exposed me to new intellectual challenges and triumphs in the classroom, but also introduced me to worlds previously inaccessible. From studying abroad in the Middle East, to ultimately finding employment with an Arab cultural organisation, studying Arabic at St Andrews has been one of my most rewarding life experiences.”

Michael (West Hartford, Connecticut, USA)
MA (Hons) Arabic and International Relations (2014)
Resource Development and Media – ACA, Haifa

After completing the first two years, you will be able to read, write and converse in basic Modern Standard Arabic.

**Why is this approach important?**
The Arab world is currently going through a period of radical changes, which will continue to have widespread repercussions for decades to come. The region includes many different countries extending ‘from the Ocean to the Gulf’, as Arabs traditionally refer to it. Modern Standard Arabic is arguably the strongest link uniting countries as diverse as Iraq and Morocco. It is the official language of the twenty-two members of the Arab League and one of the six official languages of the UN. Perhaps more important than all this is the fact that Arabic has been for many centuries the language of thriving literatures (from pre-Islamic poetry to the contemporary novel) and rich and diverse cultures, and it is, of course, the language of Islam.

You can progress to Joint Honours in Arabic from the sub-honours modules in Arabic with a wide range of other subjects, including Persian, Middle East Studies, Modern History, Mediaeval History, International Relations, Modern European Languages, English, Mathematics.

**Indicative programme information**
If you intend to study Arabic language-based courses at Honours, your sub-honours programme will include:

**First Year (2 x 20-credit modules required)**
- Arabic for Beginners 1 and 2
  These 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 (2 x 20-credit modules required)**
- Intermediate Arabic 1 and 2
  These modules will enable you to read and write Modern Standard Arabic to intermediate level with the aid of a dictionary, and to speak in standard Arabic on appropriate topics with a limited vocabulary. Oral work and written class work will be based on a series of texts selected for their relevance to the understanding of contemporary issues and culture.
  - *Introduction to Classical Arab Culture*
    This is an optional module open to any student. It is particularly relevant for any student interested in Arabic or intending to graduate in Arabic.
  - *Introduction to Middle Eastern History*
    This is an optional module open to students who have taken at least three Arabic modules and it is particularly relevant for any student interested in Arabic or intending to graduate in Arabic.

**Honours – Third and Fourth Years**
(Normally 8 x 15 credit modules over two years)

At Honours, in addition to core language modules, you can choose from a range of modern and classical topics. It is also possible to study for a semester in an Arab country as part of your degree, although Arabic study abroad programmes are subject to modification, depending on the security situation in the relevant country.

Topics which can currently be studied in a Joint Honours Arabic degree include: Media Arabic, Advanced Arabic Language, Novellas, Short Stories, Classical Arabic Poetry, Key Texts in Classical Literature and Culture.

**Study abroad**
As a student of Arabic, you may apply to spend a semester in an Arab country. Because of the variable security situation in the Arab world, study abroad options are reviewed annually and students are kept informed of any changes or cancellations of individual programmes as early as possible.

You may also apply to the University’s St Andrews Abroad programme. See page 46.

**Typical class sizes and teaching information**

**First Year:**
- Lectures 40 - 80, tutorials 10 - 15

**Second Year:**
- Lectures 20 - 40, tutorials 10 - 15
- Honours: classes 5 - 20, tutorials 5 - 15

Tutors advise you closely on the preparation of written work and give individual assessments of your performance. Classes in Arabic language will include small group intensive classroom teaching in which students actively participate. Most Honours classes are organised as seminars for which you prepare literary and non-literary texts in English and Arabic for translation, analysis and discussion.

**Typical methods of assessment**
Assessed work may include advanced language exercises, discursive essays in English, oral presentations in Arabic and an Honours dissertation.

**Careers**

Graduates in Arabic go on to a wide range of careers for which an arts degree is a recognised qualification. Graduates of the Department have become academics in international institutions, civil servants in government departments (notably the British Foreign and Commonwealth Office and the US State Department), human rights lawyers, journalists and employees in non-governmental organisations and international companies. For more information:

See also page 36 for details of the University’s Careers Centre.
Art History

Degree options in the Faculty of Arts

MA (Single Honours Degree)
Art History

MA (Joint Honours Degrees)
Art History and one of:
- Ancient History
- Arabic
- Biblical Studies
- Classical Studies
- Comparative Literature
- English
- Film Studies
- French
- Geography
- German
- Greek
- Hebrew

* Available With Integrated Year Abroad – see Modern Languages.

Entrance Requirements

Obtaining the following grades will not guarantee you a place as we consider all aspects of every application, including the Personal Statement.

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

For full Faculty Entrance Requirements, see page 53.

For degrees combining more than one subject, the subject with the higher Entrance Requirements determines the grades you need. You will also need to meet any further subject-specific Entrance Requirements as outlined on their pages.

For further country-specific qualifications and pre-degree foundation programmes see:
www.st-andrews.ac.uk/study/international

Do I need previous knowledge of this subject? – No.

Features

- The School enjoys an international reputation for its teaching and research.
- The modular structure offers the possibility of combining art-historical courses with those in a range of other subjects.
- The School has a friendly face and is responsive to the needs of individual students.
- Excellent town centre location, a short distance from the sea and coastal walks, combines classrooms, administrative and staff offices, and an extensive Visual Resources Collection.
- The School performed well in the UK Research Excellence Framework 2014, in which it is was ranked top in Scotland and fourth in the UK for Art and Design (second in the UK for Art History).
- The School is generally recognised as one of the leading departments in the UK with an excellent record for both teaching and research.
- Art-historical study is visual and you will learn to look extensively and analytically at works of art and architecture, both in reproduction and in the original.
- Many modules are complemented by visits to galleries, monuments and other sites.
- Areas of special interest include: late mediaeval art and architecture; Italian Renaissance architecture, painting and sculpture; the history of Scottish art, architecture and design; the history of photography; nineteenth-century art; twentieth century modernism.

What will I study?

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

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

First Year (1 x 20-credit module required)
The two 1000-level modules available are The Art of Renaissance Italy and Northern Europe, which provides a chronological survey covering painting, sculpture and architecture in Italy and Northern Europe 1280 - 1580; and European Art and Architecture in the Seventeenth and Eighteenth Centuries, which begins with a study of Baroque art and architecture in Italy and then moves to the Low Countries, Spain, France and Britain.

Second Year (2 x 20-credit modules required)
Current modules are The History and Theory of European Art, Architecture and Design from the French Revolution to Vienna 1900, which focuses on the most important stylistic changes of the period and the role that individual artists played in encouraging new approaches; and Art, Culture and Politics from 1900 to Now, which concentrates on expressionism and geometrical abstraction through to post-modernism.

Honours – Third and Fourth Years
(1 x 30-credit core module and at least 3 x other 30-credit modules required over 2 years)
At Honours level students choose modules from a wide range of options, most of which correspond to the research interests of individual members of staff. In the third year all Single Honours students take a core module in the first semester (optional for Joint Honours students). This is designed to further their understanding of major art historical issues. In the fourth year students also prepare a dissertation. The following subjects (among others) are currently taught, although applicants are advised that this list is subject to change in line with the availability and teaching cycles of staff:

• Art of the mediaeval period
• Gothic architecture
• Renaissance painting, sculpture and architecture
• Nineteenth-century art
• The history of photography
• Orientalism and art
• Art Nouveau
• Russian art
• Aspects of Scottish art
• Twentieth-century modernism
• Contemporary art

For more detail on the Honours modules currently available see the Course Catalogue: www.st-andrews.ac.uk/coursecatalogue

Study abroad
You may apply to the University’s St Andrews Abroad programme. See page 46.

In the academic year 2016-2017, students in the School of Art History may apply to spend one or two semesters at the University of Leiden as part of our Erasmus+ exchange.

For options available during your intended period of study, see: www.st-andrews.ac.uk/studyabroad/outgoingstudents

For further information about eligibility, the application and selection process, and costs involved, please see: www.st-andrews.ac.uk/studyabroad

Typical class sizes and teaching information

First Year: lectures 180 - 200, tutorials 8 - 10
Second Year: lectures 130 - 150, tutorials 8 - 10
Honours: lectures 15 - 25, seminars 7 - 12

Teaching consists both of formal lectures, illustrated by visual presentations, and of less formal, small-group seminars or tutorials.

The relatively large number of academic staff ensures that the large lecture classes in the first and second years are offset by small-group tutorials and also provides a wide range of options at Honours. Visits are organised to galleries and monuments in Scotland.

Typical methods of assessment
1000- and 2000-level modules are assessed by an equal mixture of coursework and written examinations. At Honours level some modules are assessed entirely by coursework, while others include written examinations weighted at 30%.

Careers

A degree in Art History from St Andrews will provide an excellent foundation for a career in museums and galleries, arts administration, the art trade, or teaching, as well as in a wide range of other fields such as publishing and media, PR and marketing, law, business and finance, retail, catering and hospitality. A number of graduates also go on to take postgraduate courses.

In recent years our graduates have secured employment in a wide range of positions, including 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. For more information: http://bit.ly/sta-arthistory-careers

See also page 36 for details of the University’s Careers Centre.

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

Valeria (Chisinau, Moldova)
A postgraduate demonstrator (in blue coat) explains the use of the microscope to a first year student.

Entrance Requirements

Obtaining the following grades will not guarantee you a place as we consider all aspects of every application, including the Personal Statement.

**BSc Degree, MBiol Degree, MMarBiol Degree**
SQA Highers and GCE A-Levels should include Biology and one other science from Chemistry, Mathematics and Physics
SQA Highers: AAAB
GCE A-Levels: AAB
International Baccalaureate Points: 36 including HL6 in Biology and HL6 in another approved science*

**First Year Entry MBiochem Degree**
SQA Highers and GCE A-Levels should include Biology and Chemistry
SQA Highers: AAAB
GCE A-Levels: AAB
International Baccalaureate Points: 36 including HL6 in Biology and HL6 in Chemistry

**Second Year Entry MBiochem Degree**
SQA Advanced Highers and GCE A-Levels should include Biology and Chemistry
SQA Advanced Highers: AB
GCE A-Levels: AAA
International Baccalaureate Points: 38 including HL6 in Biology and HL6 in Chemistry

* An approved science for IB: Biology, Chemistry, Computing Science or equivalent, Physics, Design Technology, Mathematics or Further Mathematics.

Preference will be given to candidates offering strong science qualifications over and above the stated minimum requirements.

For full Faculty Entrance Requirements, see page 53.

For degrees combining more than one subject, the subject with the higher Entrance Requirements determines the grades you need. You will also need to meet any further subject-specific Entrance Requirements as outlined on their pages.

For further country-specific qualifications and pre-degree foundation programmes see:
www.st-andrews.ac.uk/study/international

Do I need previous knowledge of this subject?
– Yes, see above.

Subject enquiries

Dr Stuart MacNeill and Dr Christian Rutz
E: bioadmissions@st-andrews.ac.uk
“Studying biology gives you flexibility in your first two years; while I was drawn to molecular biology from the start I really enjoyed learning the foundation of zoology, ecology and evolution. Now in my third year, having chosen my degree subject, teaching takes place in small classes by leading scientists in their field. Teaching involves lectures and tutorials as well as labs where practical skills are developed.”

Charlotte (Wuppertal, Germany)

In first year the modules introduce you to core material relevant to all degree programmes in areas such as animal and plant biology, molecular biology, cell biology and genetics. In the second year you choose modules which will best prepare you for your intended degree (or group of possible degrees).

New topics are introduced in some second year modules such as evolutionary biology and ecology, whilst other modules allow you to continue to develop your knowledge of cellular, biochemical, molecular or organisinal biology.

**Features**

* We conduct world-class research that welcomes student participation and offers a unique learning experience.
* We provide a focused and friendly learning environment with close contact between staff and students.
* Our first year programme encourages you to choose modules from other fields including other sciences, the humanities and the arts to provide a well-rounded and interdisciplinary education.
* Flexibility within the School allows you to change your degree direction during your first two years.
* Our final year Honours programme is based on small, specialised modules including practical options in the laboratory or the field.
* Your Honours dissertation work enables you to conduct and publish your own research.
* Students have the opportunity to gather research experience around the globe.
* In the UK Research Excellence Framework 2014, Biology was second in the UK based on the impact of its research.
* We have a dedicated marine laboratory in St Andrews. The Scottish Oceans Institute incorporates the largest Sea Mammal Research Unit in the world and many other Marine Biology research groups.
* We have strong interdisciplinary links with the Schools of Chemistry, Geography & Geosciences, Mathematics & Statistics, Medicine, Physics & Astronomy and Psychology & Neuroscience.
* For latest news, stories and additional information for prospective students see: http://biology.st-andrews.ac.uk

**What will I study?**

Biology involves the study of life at all levels of organisation from the molecular biology of virus replication to the study of animals and plants in their natural habitats. Biology touches on many aspects of contemporary life, from drug design and investigating the molecular basis of Alzheimer’s disease, to the migration and conservation of marine mammals – all of which can be studied at St Andrews. We teach these subjects, and many more, to give either an overall or a specialist view of Biology, depending on your degree course.

**First and Second Year Modules in Biology**

Studying Biology at St Andrews means that a final choice of degree does not have to be made until the end of second year. In the first year, students take two modules in Biology, together with four modules selected from the full range of subjects delivered by other Schools in the University. In the second year, most students take four of the five modules available within Biology.

<table>
<thead>
<tr>
<th>Structure of Biology Degrees</th>
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<tbody>
<tr>
<td><strong>First Year</strong></td>
</tr>
<tr>
<td>Biology 1</td>
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<tr>
<td>Biology 2</td>
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<tr>
<td><strong>Second Year</strong></td>
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<tr>
<td>At least two, and typically four, of the following:</td>
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<tr>
<td>Biochemistry and Molecular Biology,</td>
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<tr>
<td>Cell Structure and Function, Comparative Physiology,</td>
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<tr>
<td>Ecology and Evolution, Zoology</td>
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<tr>
<td><strong>Honours</strong></td>
</tr>
<tr>
<td>Broad-based, degree specific Core Modules (Year 3)</td>
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<tr>
<td>Specialised Modules and a Research Project (Year 4)</td>
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<tr>
<td>(MBiol, MBiochem and MMarBiol students take</td>
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<tr>
<td>a year-long research placement in Year 4</td>
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<tr>
<td>and conduct advanced studies in Year 5)</td>
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</table>
Study abroad
At Honours you may have the opportunity to apply to carry out some of your studies abroad. The School of Biology conducts exchanges with European universities under the Erasmus+ scheme. This provides experience of scientific work in the context of a different European language and culture, as well as broadening the range of project topics that we are able to offer. In 2016 - 2017 we have exchange partner institutions in North America, Asia and Australia in our Biology Abroad Programme and the St Andrews Abroad programme (see page 46). For options available during your intended period of study, see: www.st-andrews.ac.uk/studyabroad/outgoingstudents

For further information about eligibility, the application and selection process, and costs involved, please see: www.st-andrews.ac.uk/studyabroad

Typical class sizes and teaching information

**First Year:** lectures 200 - 250, practicals 90 - 130
**Second Year:** lectures 100 - 150, practicals 50 - 80
**Honours Third Year:** 20 - 60
**Honours Fourth Year:** 5 - 15

All first and second year modules involve daily lectures (usually with one lecture slot every week being used for tutorials or seminars instead) and also weekly practical classes. A separate series of supporting classes develops transferable skills such as written and oral presentation skills and data handling.

Teaching is delivered by lectures, seminars, and tutorials with a strong practical element at all levels. In addition, emphasis is placed on transferable skills including IT and the presentation of material both orally and in writing. In addition to providing in-depth experience with laboratory or field investigation, our substantial final-year project allows you to develop research skills that are strongly desired by many prospective employers and also by graduate schools offering postgraduate degrees. These can also lead to your first publication in a scientific journal.

Third year modules are taught by lectures, seminars and practicals, but final (fourth) year is very different, involving a major project that occupies between a third and half of the year. The rest of the year consists of small focused modules taught in small groups on the selected topics of special interest to staff members and students.

**Typical methods of assessment**

All of our 1000- and 2000-level modules are assessed by an equal weighting of coursework and written examinations. At 3000-level, most modules give a higher weighting to examinations, and at 4000-level some modules are entirely assessed by coursework, while others still include written examinations in addition to coursework but they tend to be shorter and the weighting is usually 50% or less.

Integrated Masters Degrees

**Biology (MBiol), Biochemistry (MBiochem), Marine Biology (MMarBiol)**

The new five year Integrated Masters degrees in Biology, Biochemistry and Marine Biology are designed to enhance your research experience, preparing you for a career within the scientific sector. In the first three years core modules in each subject cover fundamental aspects. In the fourth year you will undertake a year-long industrial or research placement before your final year, taking advanced research-led modules in your chosen speciality and an extended laboratory research project.

**Single Honours Degrees**

When reading our list of degree programmes, bear in mind that you will be able to move easily between most Biology Honours degree intentions during your first two years of study. Once you reach your Honours years, your programme will include specialised modules in the subject area you have chosen.

**Behavioural Biology**

Behavioural Biology covers behavioural ecology, the mechanisms of animal behaviour, the processes of evolution and speciation, adaptive physiology of animals and animal cognition. An emphasis is given to current topics like cultural learning, animal communication and molecular ecology. Additional choices include marine biology, marine mammals, neuroscience, biodiversity and conservation, and animal-plant interactions.

**Biochemistry (BSc)**

Biochemical mechanisms are involved in all life processes, so biochemical techniques are applied to a broad spectrum of fields from viral replication to neurobiology. The biochemical aspects of cell and organismal function and regulation are covered in modules on protein function, molecular genetics, membranes and cell communication, bioenergetics and pharmacology as well as a final-year laboratory project with one of the relevant research groups in the School.

**Biology**

This allows you to select your own route through our Honours modules. If you have broad interests and are reluctant to specialise and wish to take a wide variety of topics throughout all four years, this is the degree for you. Many of our applicants initially apply for a degree in Biology and then after they have sampled a range of first and second year Biology modules decide on a more specialist degree.

**Biomolecular Science**

*(see School of Chemistry page 66)*

**Cell Biology**

Cell Biology is related to molecular biology in that cell function depends on molecular structures and biochemical processes. However, cell biology is also the basis for understanding the physiology and development of animals and plants, as well as many aspects of pathology. The Honours programme includes modules that emphasise structure and function in the cells of animals, plants and microbes. It explains how cells interact as they form tissues and embryos.
“Over my time in the idyllic University of St Andrews I have had the wonderful opportunity to study a diverse range of topics within my own area of personal interest, marine biology, as well as branching out to the entire breadth of biology itself. As well as this, the opportunities to study out with my subject, from laser physics to music theory have provided me with a fundamental academic base that will support me throughout the rest of my academic career as well as the rest of my life.”

Rufus (Kilmacolm, Inverclyde, Scotland)

Ecology & Conservation
Topics such as global warming, environmental change and species extinction are increasingly in the public eye. This Honours programme deals with core aspects of modern conservation biology and ecology. Modules cover the ecology of terrestrial and aquatic environments, the process of evolution and speciation, adaptive physiology of plants and animals, population biology, molecular ecology, biodiversity, sustainability and conservation issues, and behavioural ecology.

Evolutionary Biology
Theodosius Dobzhansky once said “Nothing in biology makes sense except in the light of evolution”. This Honours programme deals with the theory of evolution, evolutionary genetics, environmental physiology, terrestrial and aquatic ecology, evolution of behaviour, biodiversity and conservation, human evolution, and evolutionary ecology.

Marine Biology
We are situated on the shores of the North Sea and have the world-renowned Scottish Oceans Institute, a research institute which incorporates the world-class Sea Mammal Research Unit. Other active research areas include marine molecular ecology, genomics, the ecology and development of marine invertebrates, fish muscle physiology, the behaviour of marine animals and the ecology of coasts and estuaries. In this programme you will explore aquatic environments, evolutionary processes, behavioural biology, biodiversity and biological sustainability, marine microbiology, and marine mammal biology.

Molecular Biology
Progressing from a sub-honours foundation in molecular and cellular biology, this Honours programme covers core topics such as protein function, molecular genetics, membranes and cell communication, molecular virology, structural biology, bioinformatics and gene expression.

Neuroscience
(see School of Psychology & Neuroscience page 142)

Zoology
Zoology degrees are wide-ranging explorations of the animal kingdom investigating the structure, development, evolution, classification, behaviour, and distribution of all types of animal, both living and extinct. The choice of modules provides organismal, cellular, and molecular perspectives, including developmental, behavioural, neurophysiological, and environmental approaches with examples ranging from single-celled animals to marine mammals.

Joint Honours Degrees
The following degrees allow you a balanced and logical combination of modules with an emphasis on the areas of Biology which combine well with the other subject.

Biology and Economics
Biology and Geography
Biology and Geology
Biology and Mathematics
or Statistics
Biology and Philosophy
Biology and Psychology

Other Honours Degrees
Biology with Arabic
Biology with French
Biology is the major component of these programmes in which the development of written and spoken language skills is emphasised.

Psychology with Biology
More Psychology than Biology modules are taken in order to fulfil the requirements for accreditation in Psychology.

Additional compulsory charges
Students need to cover costs for lab and course materials of up to £25 per year. There are also additional charges of up to £100 in third year for either a field trip, a reading party excursion or a biochemistry lab class. Substantial additional expedition costs apply to some fourth year modules, including demand-driven modules such as Polar Ecology and Scientific Diving (pictured). Students on the Integrated Masters degrees may also encounter increased accommodation costs to carry in their fourth year if they choose to take industry or research placements outside of St Andrews.

Careers
Biology graduates are in high demand. They are keenly sought by many organisations including government, universities, research institutes and major companies. There are also exciting opportunities in a new generation of innovative grassroots companies, some of them spin-outs of our own School. Advisers to the developers of marine and terrestrial renewable energy sources, for example, need biologists for assessing the impact of novel installations. Our graduates also enter many other diverse fields such as management, accountancy, marketing, journalism and teaching as employers recognise the quality of our training.

Our Biology graduates have gone on to find success in a wide variety of careers in research, industry and business including (amongst many others):

- Professional biologists in biological research, conservation, higher education and the pharmaceutical, biomedical and other industries
- Researchers and advisers in government
- Journalists
- Advisers, researchers and managers in the National Health Service
- Teachers
- Forensic scientists
- Management consultants
- Marketing and advertising experts

For further examples of the careers followed by our graduates see: http://bit.ly/sta-biology-careers

See also page 36 for details of the University’s Careers Centre.
Entrance Requirements

Obtaining the following grades will not guarantee you a place as we consider all aspects of every application, including the Personal Statement.

First Year Entry
SQA Highers: AAAB (including A in Chemistry)**
GCE A-Levels: AAB (including A in Chemistry)
International Baccalaureate Points: 35 including HL6 in Chemistry

Second Year Entry
SQA Advanced Highers: AB (including A in Chemistry) and AB in two other Highers**
GCE A-Levels: AAA (including A in Chemistry)
International Baccalaureate Points: 37 including HL6 in Chemistry

** For BSc and MChem degrees – in addition to Chemistry, one further Higher must include Mathematics, Biology, Computing Science or equivalent, Geography, Geology, Physics, Psychology.

Preference may be given to candidates offering strong science qualifications.

Additional Entrance Requirements may be specified for Joint Honours and Biomolecular Science degrees.

For full Faculty Entrance Requirements, see page 53.

For degrees combining more than one subject, the subject with the higher Entrance Requirements determines the grades you need. You will also need to meet any further subject-specific Entrance Requirements as outlined on their pages.

For further country-specific qualifications and pre-degree foundation programmes see:
www.st-andrews.ac.uk/study/international

Do I need previous knowledge of this subject? – Yes, see above.
“The School offers multiple opportunities to get involved within the local community through their outreach programme and Communication and Teaching in Science module. The outreach programmes aim to make science fun and approachable for school-aged pupils and allows you to showcase not only your knowledge but your personality. This experience has shown me that you can be the person capable of answering questions instead of just asking them!”

Amber (Dundee, Scotland)

Features

* All laboratory classes are held in state-of-the-art facilities opened in Summer 2010.
* Students in the School thrive with 75% gaining First or 2.1 degree classifications in their final degree.
* Integrated Masters courses can include one-year placements in industry or in leading academic research laboratories in the UK, Europe and North America.
* A variety of Chemistry modules that allow you to exercise flexibility in your course selection.
* Two major degrees are offered, the BSc and the MChem, with a final decision made upon entry into third year.
* A number of Joint Degree programmes (with Mathematics, Physics, French and Geology) are also offered, as is the Biomolecular Science degree that combines Chemistry and Biology.
* There is an active student-based Chemical Society which hosts guest speakers and organises social events throughout the year.
* In the UK Research Excellence Framework 2014, EaStCHEM, the Edinburgh and St Andrews research school for Chemistry, was ranked top in Scotland with 28% of its output rated as ‘world leading’ (4*).

MChem or BSc?

We offer a range of exciting and stimulating degree programmes that allow students to develop skills in a variety of areas key to the future needs of society. The MChem degree is tailored to the intending professional chemist who plans to enter the chemical sector or carry out postgraduate study upon graduation. This degree gives you the best possible training for a career in chemistry. The course lasts either four (with direct entry into second year) or five years.

The BSc course provides a comprehensive academic and practical training to equip graduates for a wide spectrum of careers whether in science-based industries or other fields such as teaching, management or finance. The course lasts for three years (with direct entry into second year) or four years.

Direct entry into second year

It is possible to enter directly into the second year of study, resulting in either a four-year MChem or a three-year BSc. This option is offered to students with excellent Advanced Higher, A-Level or IB qualifications. For Joint Degree subjects, entry into second year is less straightforward as requirements must be met for all subjects involved. The Chemistry and Physics MSci degree has no direct entry to second year due to the number of pre-Honours modules needed in this programme as well as timetabling issues that result. We would be delighted to discuss the possibility of direct entry into the second year with any prospective students.

What will I study?

Chemistry is a vibrant and exciting central science that interfaces with biology, physics, mathematics, medicine and geology, and we offer appropriate modules highlighting the importance of these interfaces. It is fundamental to many important sub-disciplines such as biochemistry, molecular biology, nanotechnology and atmospheric science in which we also offer specialised teaching. Everything around us involves Chemistry, from the making of new materials to understanding biological systems, the food that we eat, the medicines which keep us healthy, ensuring the purity of the water we drink and the air that we breathe. The chemical and allied industries – fuels, pharmaceuticals and fragrances – are the most important manufacturing industries to the UK economy, recording trade surpluses of more than £4.8 billion each year. These industries employ large numbers of chemists in research, development, sales, marketing and management. The intellectual training (i.e. numeracy and problem-solving skills, team work, communication) obtained in studying for a degree in Chemistry is also ideal for a career in areas outside the chemical sciences.

“It was quite a challenge going straight from college directly into second year Chemistry. However, the excellent teaching standards and world-class facilities really helped me cope with the demands of degree-level Chemistry. What’s more, living in a town with such an eclectic mixture of stunning surroundings, quaint traditions and diverse cultures really makes me glad I chose to study at St Andrews.”

Cindy (Plymouth, Montserrat, West Indies)
Indicative programme information

First Year
This consists of six modules and you will study three modules of chemistry and three other modules, one of which may be a further chemistry option. Modules include: Inorganic and Physical Chemistry (CH1401 and CH1402); Organic and Biological Chemistry (CH1601); optional module: The Impact of Chemistry (CH1301). For the remainder you can choose modules from a wide variety of subjects and venture into something completely new.

Second Year
Second year consists of four modules. You will take three chemistry modules and one module from another School. Modules include: Inorganic Chemistry (CH2501); Organic Chemistry (CH2601); Physical Chemistry (CH2701). If you enter directly into second year, you will also complete a short introductory module covering essential 1000-level material and an introduction to laboratory work.

After completing the modules in first and second year you decide on your final degree choice (e.g. MChem or BSc) and enter the Honours class.

Integrated Masters (MChem) Degrees
The following degrees are also available as BSc Honours degrees.

Chemistry
Initially, you will study core Chemistry modules. In later (Honours) years you will study both core, compulsory modules reflecting key areas of chemistry and also more specialist modules chosen from a diverse range of chemistry topics. The “Chemistry” degree provides you with a very broad chemical knowledge; alternatively you may choose to specialise by selecting one of the degree options outlined below. MChem students may apply to spend their fourth year on industrial placement at a company at the forefront of chemical research and development.

Chemistry with Medicinal Chemistry
Chemistry with Medicinal Chemistry focuses on the important interface of chemistry with biology and medicine. In Honours years the content of this degree consists of modules at the chemistry/biology interface, providing training both in chemistry and biomolecular sciences. The MChem includes the opportunity to apply to undertake a placement of eight to thirteen months’ duration in the pharmaceutical or agrochemicals industry.

Materials Chemistry
Materials chemists seek to understand the interrelationships between the composition, structure, microstructure and properties of solids in order to design and develop new materials for example, semiconductor processing and fabrication; energy and IT; biomaterials; catalyst materials; ‘smart coatings’; and nanotechnology. In Honours years the content of this degree consists of modules at the interfaces of Chemistry, Physics, Engineering and Materials Science. MChem students have the opportunity to apply to undertake a placement in their fourth year; all students will undertake a research project which can be undertaken in one of our materials-related research groups.

Chemistry with French
We offer both four-year BSc and five-year MChem Chemistry with French degrees giving you the opportunity to study Chemistry whilst simultaneously enhancing your proficiency
“The flexible degree structure at St Andrews, which even gives the opportunity for external placement, allows you to really focus on the subjects you are interested in and provides a unique learning experience. Lecturers are very friendly and always approachable, and the focus on practical chemistry during the whole degree greatly develops laboratory skills. The fact that it is an international School, in a student-driven town just adds to the overall experience.”

Daniel (Moralzarzal, Madrid, Spain)

with French. In each case, there is an option to apply to spend an integrated year in a French-speaking country (e.g. France and parts of Belgium, Switzerland and Canada).

Chemistry with Mathematics
This degree (MChem only) allows students to incorporate Mathematics content in their Honours years.

Single Honours BSc Degrees
Biomolecular Science
St Andrews has a world-class research record in working at the interface between chemistry and biology in areas including new treatments for flu, tropical diseases and cancer. The degree programme interlinks chemistry, medicine and biology and builds on our research strength in this area. Its aim is to equip students with the skills required for modern biomolecular and biotechnology industries. Students will gain expertise in chemical synthesis, enzyme kinetics, structural biology and molecular biology. The degree offers a unique opportunity to blend modules from Chemistry and Biology throughout all four years. The first two years consist of a common core of subjects in biochemistry and chemistry; the third and fourth years specialise in modules that balance chemistry and biology.

Chemical Sciences
This chemistry-based programme offers more flexibility to study some modules in the Honours programme in a range of other subjects. These can be other sciences, social science or business-related subjects.

Study beyond St Andrews
In 2016 - 2017, as an integrated part of the MChem courses, the School of Chemistry will assist students in applying for eight- to thirteen-month placements in leading industrial research laboratories in the UK, Europe and North America. Typically, you may join a research and development group within a company and receive a salary for the duration of your placement. It is also possible for the placement to be carried out in an overseas academic institution. In 2016 - 2017 the School of Chemistry will have exchange links with the University of Bonn and the Ecole Nationale Supérieure de Chimie de Lille (ENSCL). For options available during your intended period of study, see: www.st-andrews.ac.uk/studyabroad/outgoingstudents

For further information about eligibility, the application and selection process, and costs involved, please see:
www.st-andrews.ac.uk/studyabroad

An alternative option is the St Andrews Abroad programme. For more information see page 46.

Typical class sizes and teaching information
First Year: lectures 90 - 160, labs 20 - 40, tutorials 6 - 10
Second Year: lectures 80 - 90, labs 40 - 50, tutorials 5 - 7
Honours: lectures 10 - 60, labs 50 - 60, tutorials 6

Lectures are typically supported by small group tutorials and students very quickly feel that they are valued and become an integral part of the School. All of our lecture courses have web-based support materials and additional teaching support is given in selected topics, for example mathematics, as we recognise that there is a wide diversity in the background of the students entering our chemistry programmes.

Typical methods of assessment
For all our 1000- and 2000-level modules the assessment is made up of 60-70% written examinations combined with 30-40% coursework covering laboratories, tutorials and transferable skills exercises. For 3000-, 4000- and 5000-level modules, the assessment is either by written examination in the case of lecture-based modules, or coursework including written reports, oral presentations and oral examinations for laboratory, workshop and research project modules.

RSC Accreditation
All MChem degree programmes are accredited by the Royal Society of Chemistry (RSC), as are five of our BSc programmes: Chemistry, Chemistry with Medicinal Chemistry, Chemical Sciences, Chemistry with French, Chemistry with French (WIYA).

Careers
Chemistry graduates have never been more in demand and they are keenly sought by major companies but there are also exciting opportunities in a new generation of innovative grassroots companies. Our chemists follow a diverse range of careers (see below), as employers recognise the quality of the training encountered in a Chemistry degree. St Andrews Chemistry graduates are highly employable and have gone on to find success in a wide variety of careers in industry and business including (amongst many others):

- Professional chemists in the chemical and pharmaceutical industries
- Teachers
- Forensic scientists
- Various careers in the food industry (including breeding)
- Management consultancy
- Marketing and advertising
- Patent lawyers
- Journalism and the media
- Finance (Accountants and Investment bankers)

Our recent graduates are engaged in many diverse roles, including as an intern at the European Patent Office, as a research scientist at a company involved in enhanced oil recovery in western Canada, as a pharmaceutical development scientist at Reckitt-Benckiser, as an audit assistant at KPMG and as a regional liaison officer for the Royal Society of Chemistry.


See also page 36 for details of the University’s Careers Centre.
Classical Studies

* All modules are taught in translation.
* Classical Studies includes study of the following: Greek and Roman literature, social structures, cultural history, philosophy, religion, art, and archaeology.
* Our academic staff are experts in their fields and provide you with the latest ideas and material to research and evaluate.
* The School of Classics was rated first in Scotland and second in the UK in the Research Excellence Framework 2014.
* Teaching in small groups assures close attention and individual help.
* New modules and topics include Greek religion and society, magic in literature and life, ancient animals, Hellenistic ethics and the reception of the Aeneid.
* The School has a lively student life including an undergraduate Archaeological Society.
* Our staff are friendly and approachable.

Features

Classical Studies and two Modern Languages
Any combination of Arabic, French(W), Italian(W), Persian, Russian(W) is available, see page 130.

W Available With Integrated Year Abroad – see Modern Languages.
X Due to a timetable clash, students taking this degree will take Ancient History, Latin or Greek modules in their first year, and Classical Studies in their second. Contact the School of Classics for further information.

Entrance Requirements

Obtaining the following grades will not guarantee you a place as we consider all aspects of every application, including the Personal Statement.

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

For full Faculty Entrance Requirements, see page 53.

For degrees combining more than one subject, the subject with the higher Entrance Requirements determines the grades you need. You will also need to meet any further subject-specific Entrance Requirements as outlined on their pages.

We strongly recommend that all applicants have a qualification in a modern or ancient foreign language at National 5 / GCSE level, or equivalent.

For further country-specific qualifications and pre-degree foundation programmes see: www.st-andrews.ac.uk/study/international

Do I need previous knowledge of this subject? – No.

Subject enquiries

E: classics@st-andrews.ac.uk

Return to Subjects
"As someone who threw themselves wholly into the School of Classics, taking only classical subjects from my first year onwards, I can honestly say that Classical Studies here is incredible. While the School is small, it works to our advantage, as the staff are extremely supportive outside classes and within them. The work is challenging, interesting and different and the courses are so diverse."

Marjan (London, England)

Indicative programme information

First Year Classical Studies modules (20 credits each)

First Semester: Myth and Community in Ancient Greek Literature and Culture.
This module explores some of the most dynamic literary and artistic achievements of archaic and classical Greek culture. Using a twin focus on myth and on ideas of community, the module ranges across Homeric epic, Athenian tragedy, Aristophanic comedy, and the writings of intellectuals; it studies the relationship between texts and images in the expression of cultural values; and it examines a series of major themes in Greek views of identity, morality, politics and religion.

Second Semester: Images of Augustan Rome.
This module studies a range of literary works that were written during the lifetime of the first emperor, Augustus, and their different reactions to the new regime that he established. A central theme of the module is the development of the architecture and public art of the city of Rome during this period, and the variety of ways in which the city features in the literature of the time.

Second Year Classical Studies modules (20 credits each)

First Semester: Culture and Thought in the Late Roman Republic.
This module addresses the intellectual life of late Republican Rome through a range of artistic and literary sources, including the poems of Catullus on myth, sex and politics and the great poem by Lucretius on atomic physics and what it means for you.

Second Semester: Early Greek Poetry and Philosophy.
Early Greece is the age of beautiful poetry and cutting-edge philosophy. This module explores the diversity of early Greek thought at the crossroads of poetry and philosophy, starting with Hesiod's struggle to re-order the world of gods and humans, before considering the exciting literary and intellectual experiments of the successors of Hesiod and Homer, who saw poetry as a way of writing philosophy, exploring love, and attacking enemies.

Honours – Third and Fourth Years

You choose further modules for more advanced study of ancient texts, discourses and images. Modules reflect the research interests of the staff who teach them, and take you straight to the heart of current questions in our understanding of the Greeks and Romans. Modules currently available include:

- The Ancient and Modern Novel
- Greek Theatre
- Knowledge and the World in Hellenistic Philosophy
- Animals in Greco-Roman Antiquity
- Herodotus
- Roman Praise

Honours modules in the School carry 30 credits, so you study two modules each semester in Honours. Single Honours students write a dissertation worth 30 credits in their fourth year.

Study abroad

You may apply to the University's St Andrews Abroad programme. See page 46.

In the academic year 2016-2017, students in the School of Classics may apply to spend one or two semesters at the University of Leiden as part of our Erasmus+ exchange.

For options available during your intended period of study, see: www.st-andrews.ac.uk/studyabroad/outgoingstudents

For further information about eligibility, the application and selection process, and costs involved, please see: www.st-andrews.ac.uk/studyabroad

Typical class sizes and teaching information

First Year: lectures 60 - 80, tutorials 8 - 12
Second Year: lectures 60 - 80, tutorials 8 - 12
Honours: seminars 10 - 20

Friendly contact is established from the start through small tutorial groups that enable you to get to know the staff and other students very quickly.

At Honours you will learn, debate and make presentations in lively seminars. All members of staff contribute to the Classical Studies programme. Staff interests include Greek and Roman archaeology and art, Greek and Roman literature (including late Latin literature), ancient drama, Homer, Herodotus and Thucydides, Roman historiography, ancient science and philosophy, Greek rhetoric, ancient economic and social history, ancient literacy, the Classical tradition, the representation of foreign peoples, Athenian imperialism, and the cultural history of the Roman Empire.

Typical methods of assessment

Assessment throughout the degree is generally 50% assessed coursework and 50% by examination, taken at the end of the semester; in some modules, coursework predominates. The final class of degree is based on marks awarded over the last two years.

All Single Honours students write a dissertation in their fourth year and this allows them to specialise in an area of their own key interest.

Final year students may obtain teaching experience and mentoring from teachers in local secondary schools.

Careers

Recent Classical Studies graduates include librarians, journalists, civil servants, teachers and nurses. Others hold posts in museums, finance, and teaching English overseas. Some have embarked on further training in classics, accountancy, law, and journalism. For more information: http://bit.ly/sta-classics-careers

See also page 36 for details of the University's Careers Centre.
Features

* The School of Classics was rated first in Scotland and second in the UK in the Research Excellence Framework 2014.
* Excellent linguistic training in the skills of reading and understanding Greek and Latin literature.
* Strong grounding in the classics of Greek and Latin literature combined with an introduction to the wider culture of the ancient Mediterranean.
* Wide choice of related subjects which may be studied as part of the Single Honours Classics degree, including Greek and Roman political and cultural history, ancient philosophy, archaeology and material culture.
* Wide range of complementary modules from other Schools and Departments in the University, such as Mediaeval History, Philosophy, or Modern Languages.

Facilities and resources

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

What will I study?

The Classics programme in St Andrews is designed for those who wish to study both Latin and classical Greek language and literature to Honours, either starting from scratch or building on previous study. At the outset, there are separate classes for beginners and those with prior knowledge. There are opportunities at all stages to take related and complementary subjects, especially Ancient History and Ancient Philosophy. To study Classics in the original languages is to engage at first hand with the tradition which revolutionised the intellectual life of Western Europe. It requires a combination of precise linguistic skills, a mature sense of historical context and development, and an openness to new ways of seeing our own world.

The first two years are spent in gaining a thorough grounding in the language and literature of Latin and ancient Greek.

In the third and fourth year you choose modules reflecting your own special interests. These may include the major genres of Greek and Latin literature, such as Epic, Comedy, or Historiography. A wide selection of other historical, philosophical and cultural topics may also be studied, such as Pleasure, Goodness and Happiness: Hellenistic Ethics, Government and Society under Diocletian, and The Ancient and Modern Novel.
“I have found the course here challenging and rewarding. The flexibility and variety of modules has really enriched my experience, giving me the opportunity to explore the classical world more widely. My degree has let me explore the ancient world in ways I didn’t know I could – it is exciting.”
Livvy (Blandford Forum, Dorset, England)

Indicative programme information

First Year
(4 x 20-credit modules required – 2 in each of Greek and Latin)
Whether you are a beginner in Greek and Latin, or have studied them before, we have specially designed modules for you. As part of the Classics programme, you will study both Greek and Latin all year (two semester-long modules each). You will study one further module in each semester in a subject of your choice – either related to Classics (e.g. Ancient History or Classical Studies) or else something completely different. Both the beginners and advanced programmes help to develop your skill and confidence in reading Greek and Latin texts independently and to broaden your knowledge of classical literature and culture.

By the end of the year all beginners will have studied some Greek or Latin literature in the original and will have the basic skills to translate real Greek or Latin texts.

Second Year
(4 x 20-credit modules required – 2 in each of Greek and Latin)
The needs of both ex-beginners and more advanced students are catered for in a pair of modules which allow for convergence between the two groups. Again both Greek and Latin are studied all year and there are two further modules of your choice to round out your programme. In Latin the focus is on the literature of the Republic and the Empire. In Greek the epic narrative and comic prose dialogue are explored in one semester and bucolic or pastoral poetry and the romantic novel are studied in the other.

At the end of these modules you will be familiar with Greek and Latin literature from a wide range of genres and periods.

Honours – Third and Fourth Years
You choose from a range of modules covering major genres, such as Epic, Comedy, Satire, Rhetoric and Historical Writing in both Greek and Latin, with an option to study Latin and Greek Prose Composition. You will do a minimum of two modules in Greek and two in Latin at this level, and then you can target the rest of your Honours modules to specialise in one classical language or the other, or balance your programme with a mixture of both. You may also write a dissertation on a topic of special interest.

At all levels students may combine Greek and Latin with modules in Classical Studies and Ancient History or may choose unrelated subjects.

Study abroad
You may apply to the University’s St Andrews Abroad programme. See page 46.

In the academic year 2016-2017, students in the School of Classics may apply to spend one or two semesters at the University of Leiden as part of our Erasmus+ exchange.

For options available during your intended period of study, see: www.st-andrews.ac.uk/studyabroad/outgoingstudents

For further information about eligibility, the application and selection process, and costs involved, please see: www.st-andrews.ac.uk/studyabroad

Typical class sizes and teaching information

First Year: lectures 25 - 35, tutorials 10 - 15
Second Year: lectures 25 - 35, tutorials 10 - 15
Honours: seminars 10 - 20

First Year
Three to four weekly lectures/classes and, where possible, one is broken down into smaller groups.

Second Year
Typically three to four classes per week. Ex-beginners receive close attention and help to meet their developing needs; they are increasingly integrated with the advanced class over the year. Questions and discussion are encouraged in all classes.

Honours
Honours is taught by a combination of lectures and seminars, mostly in small groups with increasing emphasis on students’ own contribution, both in informal class discussion and in presentations by individuals or small groups.

Typical methods of assessment
Assessment throughout the degree is generally 50% assessed coursework and 50% by examination, taken at the end of the semester. The final class of degree is based on marks awarded over the last two years.

All Single Honours students write a dissertation in their fourth year and this allows them to specialise in an area of their own key interest.

Final year students may obtain teaching experience and mentoring from teachers in local secondary schools.

Careers

Traditional Classics courses have provided an entry to a wide range of careers and positions since employers have placed a premium on the combination of intellectual flexibility and rigour of Classics graduates. Students graduating with classical degrees typically do well in the graduate employment market. Graduate destinations include financial services, the law, marketing and management, civil and armed services, journalism, museums, galleries, and libraries, teaching and further research. Some have built on their linguistic skills to use modern foreign languages in employment. For more information: http://bit.ly/sta-classics-careers

See also page 36 for details of the University’s Careers Centre.
Comparative Literature

See also Modern Languages page 130

Degree options in the Faculty of Arts

MA (Joint Honours Degrees)
Comparative Literature and one of:

- Ancient History
- Arabic
- Art History
- Biblical Studies
- Classical Studies
- Classics
- English
- Film Studies
- French
- Geography
- German
- Greek (Ancient)

- Hebrew
- Italian
- Latin
- Modern History
- Mediaeval History
- Management
- Russian
- Social Anthropology
- Spanish

MA (Honours Degrees)
Comparative Literature and two of:

- Arabic
- French
- German

- Italian
- Philosophy
- Russian
- Social Anthropology
- Spanish

Features

- Comparative Literature can be studied without any previous knowledge of foreign languages.
- A team of literary experts from the School of Modern Languages – Arabic, French, German, Italian, Persian, Russian and Spanish – and the School of English.
- A wide range of literature from around the world in English translation.
- Comparisons and connections across countries, time periods, subjects and genres.
- See the world from multiple perspectives through reading literature in English translation.
- Acquire and develop analytical and critical skills that will make you highly employable in the UK and abroad.
- Optional Honours modules such as Folk and Fairy Tales, Autobiography and the Visual Arts and Cultural Memory and Literature.
- Flexible options for module choices and study abroad.

What will I study?

Comparative Literature gives you the chance to consider the ideas, human values, and historical forces that have helped to form the world’s literatures. A focus on close reading and an exploration into the practice of literary translation will develop your analytical, descriptive, and evaluative skills. You will have the opportunity to read, to discuss, to present reasoned arguments, and to work on writing with precision and clarity. As a graduate, your capacity to process and assimilate complex material from a range of cultures will make you highly employable.

First and second year modules raise awareness of different genres and themes as they appear in a range of literatures (Arabic, East European, French, German, Italian, Persian, Russian, Spanish, UK, USA, Latin American) and address the issue of how to study literature comparatively. At Honours (third and fourth years) you will take several core modules and make choices among others taught by specialists in the School.

Indicative programme information
First Year (2 x 20-credit modules required)
We offer two 1000-level modules to introduce you to the study of Comparative Literature. The Nineteenth-Century Novel and Drama in the Twentieth and Twenty-first Centuries will cover a diverse range of texts in English translation. These may include Tolstoy’s Anna Karenina; Flaubert’s Madame Bovary; Pardo Bazán’s House of Ulloa; Brecht’s The Measures Taken; Ionesco’s Rhinoceros; and John Hodge’s Collaborators.

Entrance Requirements

Obtaining the following grades will not guarantee you a place as we consider all aspects of every application, including the Personal Statement.

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

For full Faculty Entrance Requirements, see page 53.

For degrees combining more than one subject, the subject with the higher Entrance Requirements determines the grades you need. You will also need to meet any further subject-specific Entrance Requirements as outlined on their pages.

For further country-specific qualifications and pre-degree foundation programmes see:
www.st-andrews.ac.uk/study/international

Do I require previous knowledge of this subject? – No.

Subject enquiries

Dr Emily Finer
E: complit@st-andrews.ac.uk

Return to Subjects
Second Year (2 x 20-credit modules required)
Journeys is a core module dealing with real and imaginary travel in and across literatures. We reflect on similarities and differences between the narrative treatment of travel in texts of varying genres and time periods. This forms the basis for discussion of matters of identity, nationalism and border-crossing.

In our other core module, Good and Evil, we read a range of literary texts in order to investigate moral principles and behaviour; notions of individual and collective identities; and the relationship between religion and literature. Authors studied may include Dante, Primo Levi, Mikhail Bulgakov, and Jonathan Safran Foer.

Honours – Third and Fourth Years
(4 x 15-credit core modules required and 4 other 15-credit modules required over 2 years)
Honours includes compulsory modules – Issues in Comparative Literature; The Literary Canon; Issues in Cultural Studies and Found in Translation – to which you add optional modules, each based on at least three national literatures. Modules currently available, but subject to change (see Curriculum development page 7), include or cover aspects of:

- Autobiography and the Visual Arts
- Illness and Literature
- Classicism in European Literature
- Cultural Memory and Literature
- Performing Early-Modern Sexualities
- Literature and the Bible
- Folk and Fairy Tales
- Crossing the Mediterranean

Study abroad
If you decide to take Comparative Literature as part of a Joint Honours degree with a language, you have the option of applying to spend a year abroad after your second year of study. The School of Modern Languages makes final decisions on study abroad during the second year of study, when students apply for their preferred option.

Honours degrees With Integrated Year Abroad (WIYA) in countries in which French, German, Italian, Russian or Spanish are spoken involve residence there for the academic session between second and third years. Language students taking a four-year degree may apply to spend all or part of their Junior Honours year as an Erasmus+ exchange student at one of our partner universities (for arrangements for students of Arabic and Russian see subject entry). For options available during your intended period of study, see: www.st-andrews.ac.uk/studyabroad/outgoingstudents

For further information about eligibility, the application and selection process, and costs involved, please see: www.st-andrews.ac.uk/studyabroad

You may also apply to the University’s St Andrews Abroad programme. See page 46.

Typical class sizes and teaching information
First Year: lectures 100 - 120, seminars 10 - 15
Second Year: 60 - 70, seminars 10 - 15
Honours: 10 - 15

All modules are taught by a combination of traditional lectures and small discussion seminars.

Typical methods of assessment
At sub-honours, Comparative Literature modules are assessed by 50% coursework, and 50% written examination. Many Honours level modules are assessed entirely by coursework. Modules taken in other Schools will involve a mixture of assessment methods.

Careers
Graduates in Comparative Literature can pursue rewarding careers in publishing, journalism, business and commerce, marketing, media, and the civil service. Employers value our graduates who are sensitive to diverse cultures. Graduates may also go into postgraduate study, either at St Andrews or to other universities. Some graduates will follow careers in teaching in a wide variety of school environments both at home and abroad.

Graduates of the School of Modern Languages have an extremely good record of employment after graduating. For more information: http://bit.ly/sta-modlangs-careers

See also page 36 for details of the University’s Careers Centre.

“The Comparative Literature programme is diverse, exciting and interesting with fantastic lectures from people all across the globe. Learning about world cultures through their most famous literature, and comparing these, provides a fantastic insight into the differences of people across the world, and their views. The range of literature and drama is wide, and the choice to focus on the books you love provides a lot of flexibility.”

Olivia (Belfast, Northern Ireland)
Computer Science

Degree options in the Faculty of Science

**BSc (Single Honours Degree)**
Computer Science

**BSc (Joint Honours Degrees)**
Computer Science and one of:
- Economics
- Management
- Management Science
- Mathematics
- Philosophy
- Physics
- Psychology
- Statistics

**MSci (Integrated Masters Degree)**
Computer Science

Entrance Requirements

Obtaining the following grades will not guarantee you a place as we consider all aspects of every application, including the Personal Statement.

Preference may be given to candidates offering strong science qualifications.

**First Year Entry**

SQA Highers: AAAB including A in Mathematics. One further Higher must be in an approved science*

GCE A-Levels: AAA including Mathematics

International Baccalaureate Points: 38 including a 6 in Mathematics at HL or SL

**Second Year Entry**

Direct entry to second year is available for well-qualified applicants. An accelerated programme with dedicated modules enables a student to graduate with a BSc in three years, or an MSci in four years. Applicants should have some experience in computer programming and may be asked to demonstrate this. Please contact the School for more information.

SQA Highers: AB at Advanced Higher in Mathematics and an approved science* plus AB at Higher in two approved sciences* and evidence of previous programming experience

GCE A-Levels: AAA including Mathematics and a science subject, and evidence of previous programming experience

International Baccalaureate Points: 39 including a 6 in Mathematics at HL or SL, and evidence of previous programming experience

* An approved science: Biology, Chemistry, Computing Science or equivalent, Geography, Geology, Physics, Psychology.

For full Faculty Entrance Requirements, see page 53.

For degrees combining more than one subject, the subject with the higher Entrance Requirements determines the grades you need. You will also need to meet any further subject-specific Entrance Requirements as outlined on their pages.

For further country-specific qualifications and pre-degree foundation programmes see: www.st-andrews.ac.uk/study/international

Do I need previous knowledge of this subject? – No.

Computer Science (Gateway) Entry

The Computer Science (Gateway) is targeted at applicants from Scotland who meet some or all of the University’s widening participation criteria and have the potential to do well at university. Typical asking rates are BBBBB-AABB in SQA Highers. Please contact the School if you are interested in this programme.

Subject enquiries

E: admissions-cs@st-andrews.ac.uk

Features

* Our student:staff ratio is excellent at 8.1:1 (as of 2014-2015).
* 100% of our students agreed that “Overall, I am satisfied with the quality of the course” (National Student Survey 2014 and 2015).
* Almost all of our academic staff are involved in undergraduate tutoring and teaching.
* Students are actively involved in research, through internships and project modules, and often publish in major international conferences.
* Many students spend summers as interns within companies including Adobe, Facebook and Google.
* Students are on first-name terms with staff, through small tutorial groups and labs.
* The student-run St Andrews Computing Society offers a social group for students interested in computer science.
* Social activities include the Honours Reading Party in the Highlands, School BBQs and pizza and gaming sessions.
* Students often win awards such as the TARGET IT and Computer Science Undergraduate of the Year Award.
* World-leading research in human-computer interaction, constraint programming, cloud computing and more, is embedded into our teaching at all levels.
“The emphasis on practical work throughout the Computer Science degree, coupled with the ability to focus on areas of interest in Honours years, massively equips students to pursue a career in research or industry after graduating. The approachable and knowledgeable staff are always willing to help, and there is a close-knit community fostered by the Computing Society and the shared labs. This homely environment combined with the world-class academics and research-led teaching means choosing St Andrews was the best decision for me.”

Aniaq (Dundee, Scotland)

Facilities and resources
Practical and small-group teaching takes place within the two Computer Science buildings, with larger lectures in dedicated facilities in adjacent science buildings. You will have 24-hour access to our laboratories, which were refurbished in the summer of 2014 and are filled with up-to-date Mac, Linux and Windows-based computers. Full wireless internet access is available throughout.

BSc or MSci?
If you wish to study even more advanced topics in Computer Science, then the MSci (Honours) in Computer Science may be for you. This Integrated Masters degree takes place over five years, with an option for direct entry into the second year. Qualified students can therefore graduate with a Masters degree in four years. The first three years of the MSci are shared with the BSc programmes. In the final two years, you can choose among modules at 4000 and 5000 (Masters) level, enabling both breadth and depth across the discipline. The final year is spent taking 5000-level modules as well as an advanced project. This may take the form of a project within the School, an industrial placement or a research internship, enabling MSci students to build skills that are useful for both academic and industrial careers.

What will I study?
Computer Science at St Andrews allows you to study in a friendly and intimate environment. Our excellent staff:student ratio and small group teaching will put you on a first-name basis with internationally-renowned researchers and teachers. Ongoing research projects include GAP, a widely-used free software package for applying computers to research problems in pure mathematics. The Human-Computer Interaction group’s work in gesture-based interactions and fonts for representing data, have received much press interest in publications such as New Scientist and Wired. The constraint solver Minion, developed at St Andrews, has been used for applications as diverse as parsing the Sanskrit language, debugging programs, scheduling protein assay equipment, and even for setting crosswords on the web. Research on Open Virtual Worlds has included virtual reconstructions of St Andrews Cathedral, Linlithgow Palace and the Acropolis Basilica in Sparta, which have been used for education and research. This world-class research is applied to teaching at all levels, for example, in Junior Honours projects on sensor networks, Senior Honours projects on natural language processing or constraint programming, or even second-year programming exercises on analysing Twitter datasets from the London Olympics.

The School offers single-subject BSc and MSci Honours degrees in Computer Science, plus a range of BSc Joint Honours degrees with other subjects. You will normally take 120 credits of work each year as part of a flexible four-year BSc Honours degree, where you may take modules in other subjects. A five-year MSci Honours degree in Computer Science is also available if you wish to specialise further. Our Honours degree programmes are designed to ground you in both the theory and practice of computer science. You will learn how to think and solve problems logically (“computational thinking”), understand the fundamental principles of how computing systems work, and be exposed to significant new technologies. In the first two years you will learn the basic concepts behind computer science and several different programming languages, while in two (or three) Honours years you will learn about advanced and cutting-edge topics at the frontier of our subject. A flexible degree structure means that it is possible to change your degree direction during the first two years, while direct second-year entry is also possible to any of our BSc or MSci Honours degree programmes. Our students are universally happy with our degree offerings, with 93% of respondents to the National Student Survey in 2015 declaring that they were “very satisfied with the quality of the course” and a further 7% “satisfied”.

Interactive undergraduate teaching session
## Indicative programme information

### First Year (2 x 20-credit modules required)
First year computer scientists take two compulsory modules: Object-Oriented Programming (CS1002), which introduces the basics of programming and object-orientation in the Java language, and Programming with Data (CS1003), which introduces programming for processing data. We also offer two optional 20-credit modules: Computer Science in Everyday Life (CS1005), which provides a broad introduction to computer science issues in a variety of areas ranging from digital cameras to cloud computing, and Programming Projects (CS1006) which gives the opportunity to build sophisticated programs including games and some basic artificial intelligence.

### Second Year (2 x 30-credit modules required)
Second year has two core modules: Foundations of Computation (CS2001) and Computer Systems (CS2002), which are taken by all Computer Science students. The optional The Internet and the Web: Concepts and Programming (CS2003) covers the design of networked internet applications, while the popular Advanced Programming Projects (CS2006) provides a highly-practical introduction to functional and dynamic programming in the Python and Haskell languages. Subject to satisfactory performance in the second year, you can progress to a single-subject BSc or MSci Honours degree, or a joint BSc Honours degree in Computer Science with another subject.

### Honours (third, fourth and optionally fifth years)
The Honours degree programmes are designed with the following aims:

- To provide you with a thorough grounding in the theoretical and practical principles of computer science and to show how computing techniques can be used to analyse problems.
- To provide you with in-depth knowledge of computer science, as well as equipping you with a range of transferable skills.
- To encourage you to explore rigorously the core principles of the subject and to give you an understanding of its intellectual frontiers.

In the two years of the BSc Honours programme, you can choose from a wide range of options. As of the academic year 2015-2016 these comprise:

- Artificial Intelligence
- Component Technology
- Computational Complexity
- Computer Architecture
- Computer Graphics
- Computer Security
- Concurrency and Multi-Core Architectures
- Constraint Programming
- Data Communications and Networks
- Data Encoding
- Databases
- Distributed Systems
- Human Computer Interaction
- Logic and Software Verification
- Multimedia
- Operating Systems
- Programming Language Design and Implementation
- Software Engineering
- Video Games

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**Computer Science**

(continued)
In your final BSc year, and the MSci year, you can also choose from our wide range of Masters modules (e.g. Green Information Technology, Mobile and Wireless Networks) and our newest modules including Critical Systems Engineering, Language and Computation, User-Centred Interaction Design and Information Visualisation and Visual Analytics. Other popular Honours modules include the interdisciplinary Communication and Teaching in Science (ID4001), where students are placed in a local primary or secondary school to design and deliver lessons.

Projects
In the Junior Honours year, you undertake a 30-credit team project, with the whole class divided into small co-operating teams. In Senior Honours, you undertake a 30-credit (15 credits for Joint Honours students) individual project with a member of staff, based on personal or research interests. The MSci year involves an entire semester dedicated to an advanced individual 60-credit project, which may be taken in the School or optionally in industry. Individual projects are of a very high standard, often winning prizes, for instance the International Undergraduates Awards in 2015, and the Lockheed Martin Software Engineering Award in both 2014 and 2015.

Reading Party
All Honours students attend a Reading Party in their Junior Honours year. This takes place in a large country house in the Highlands, where you and the rest of the Honours class spend three days giving presentations, taking part in outdoor and indoor activities, and generally socialising with other students and staff.

Internships
As an Honours student you may choose to spend one, two, or even three, of your summers in an internship. These may be in the UK, Europe, the US or beyond. In the summers of 2013 to 2015, our students could be found at internships with Accenture, Adobe, AIG, Credit Suisse, Facebook, Google, McLaren, Palantir, PlanForCloud, Skyscanner, Thales and elsewhere. The School and the University also offer various paid research internships whereby a student can work closely with a research group for eight to ten weeks.

Study abroad
You may apply to study abroad under the University’s St Andrews Abroad programme. See page 46.

Typical class sizes and teaching information
First Year: lectures 48 - 155, labs 5 - 60, tutorials 6 - 7
Second Year: lectures 46 - 76, labs 14 - 76, tutorials 6 - 7
Honours: lectures, labs and tutorials 13 - 54
We use a wide variety of teaching methods in addition to traditional lectures, with an emphasis on personal and small group teaching. Around 35 - 40 students graduate each year, with the majority attaining First Class or Upper Second Class Honours degrees.

Typical methods of assessment
Most modules in the School are assessed by at least 40% coursework (with the balance of assessment in the form of written examinations). Project modules are assessed entirely by coursework.

Careers
All of our degrees allow graduates to enter into technical, academic, financial or commercial posts at both national and international levels. Employers regard our Computer Science graduates as technically and intellectually capable. A number of employers visit us on a regular basis, including Amazon, Apple, BT, Google, IBM, Skyscanner and Sword Ciboodle. Other recent employers include Accenture, Adobe, CloudSoft, Deloitte, Sky, Dresdner Kleinwort, KPMG, RBS, Thomson Reuters, Logica, Wolfson MicroElectronics, Metaswitch Networks and the Ministry of Defence.

Many of our students enter postgraduate study here at St Andrews (a St Andrews Recent Graduate Discount is available) and at other universities in the UK and abroad, while others enter careers in teaching. Several of our students have also started their own companies. You can follow the activities of our staff, students and alumni using our Twitter lists at: http://twitter.com/StAndrewsCS/lists


See also page 36 for details of the University’s Careers Centre.

“The School of Computer Science is open and friendly. Its relatively small size enables the students to have close contact with staff members and be treated as an individual. The programme is very flexible, allowing each student to focus on areas they find most interesting. It’s a great place to study and socialise, with the lab open 24 hours.”

Paula (Gdansk, Poland)

“Coming to study Computer Science at St Andrews was by far the best decision I have ever made. I have never had a time so rewarding and enjoyable in my entire life, whether it be studying the subject that I love or taking part in all the huge variety of things which go on in this small corner of North East Fife. The School of Computer Science is small and homely, making every student feel very welcome regardless of what programming experience they have beforehand, and there is always help available if required.”

Mark (Dumbarton, Scotland)
Divinity – Theology (MTheol), Theological Studies (MA), Biblical Studies (MA), Bachelor of Divinity (BD)

Degree options in the Faculties of Arts and Divinity

**MTheol (Single Honours Degree)**
With options for specialising in subjects such as:
New Testament, Old Testament, Theology, Practical Theology, Church History, or a combination of these.

**MA (Single Honours Degrees)**
Biblical Studies
Theological Studies

**MA (Joint Honours Degrees)**
See the possible degree combinations under the degree descriptions, below.

**BD (Single Honours Degree)**
Three years, available only to those with a previous degree with direct entry into second year of study.
With options for specialising in subjects such as:
New Testament, Old Testament, Theology, Practical Theology, Church History, or a combination of these.

**MA (Joint Honours Degrees)**
Biblical Studies and one of:
Ancient History
Art History
Classical Studies
Comparative Literature
Economics

Hebrew and one of:
Arabic
Art History
Biblical Studies
Comparative Literature

New Testament and Modern History

**Theological Studies and one of:**
Classical Studies
Film Studies
French
Greek

Mathematics
History
Business History
Comparative Literature

Greek (Ancient)

New Testament and Modern History

**Entrance Requirements**

Obtaining the following grades will not guarantee you a place as we consider all aspects of every application, including the Personal Statement.

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

For full Faculty Entrance Requirements, see page 53.

For degrees combining more than one subject, the subject with the higher Entrance Requirements determines the grades you need. You will also need to meet any further subject-specific Entrance Requirements as outlined on their pages.

For further country-specific qualifications and pre-degree foundation programmes see:
[www.st-andrews.ac.uk/study/international](http://www.st-andrews.ac.uk/study/international)

Do I need previous knowledge of this subject? – No.

**Subject enquiries**

Undergraduate Recruitment and Admissions Officer,
School of Divinity
E: divinity@st-andrews.ac.uk

**Features**

* The only Scottish university which focuses principally on Christianity and the Judeo-Christian tradition.
* An emphasis on learning to think critically about truth-claims and how people live in the light of faith.
* An exceptional range of subject combinations.
* Integrated programmes that combine foundational courses with flexibility of choice.
* The opportunity to study Biblical languages in depth – Hebrew, Greek and Aramaic.
* Small-group work that is built into the style of learning.
* A closely-knit community that provides a supportive context in which to engage in stimulating theological explorations.
* Academic staff who are acknowledged as world experts in their fields.
* Personalised attention from teaching staff that benefits students and allows letters of reference for future employers to be more discerning and effectual.
* The opportunity to undertake a placement in a local secondary or primary school.

Students in the School of Divinity (also known as St Mary’s College) come from diverse backgrounds and with very different goals in mind. While some wish simply to explore questions of worldview and consider the shape of religious
belief and practice in our society, others wish to explore and expand their faith commitments. A mixture of presuppositions, outlooks and interests amongst both students and staff fosters lively debate, enables you to gain respect for others and helps you understand their views. Whatever perspective you come from these programmes are guaranteed to encourage deep intellectual reflection upon prior assumptions and upon theology’s engagement with culture.

Which programme is for you?
The MTheol, our most popular degree, is the best choice if you want to focus your university career on topics directly related to theological and biblical studies. If you want a wider range of options across arts subjects, but still want to give most of your attention to divinity, then either the MA (Biblical Studies) or the MA (Theological Studies) is the degree for you. Should you have academic interests that straddle both divinity and another subject area then one of the Joint Honours options would suit you best. If you already have an undergraduate degree then the shorter BD degree, with its focus on theological and biblical studies would be ideal, especially if you are considering service within a Christian denomination.

Location and resources
The School of Divinity is located in St Mary’s College, one of the oldest and most historic parts of the University, where theology has been taught for over 500 years. Today, teaching happens in seminar rooms and lecture theatres equipped with the latest technology in St Mary’s College and around the University. The Divinity Library is housed in the historic King James Library and students have their own common room in the former Principal’s House.

Study abroad
You may apply to the University’s St Andrews Abroad programme. See page 46.

In the academic year 2016-2017, students in the School of Divinity may apply to spend one or two semesters at the University of Leiden as part of our Erasmus+ exchange.

For options available during your intended period of study, see: [www.st-andrews.ac.uk/studyabroad/outgoingstudents](http://www.st-andrews.ac.uk/studyabroad/outgoingstudents)

For further information about eligibility, the application and selection process, and costs involved, please see: [www.st-andrews.ac.uk/studyabroad](http://www.st-andrews.ac.uk/studyabroad)

Typical class sizes and teaching information
First Year: lectures 10 - 100, tutorials 10 - 15
Second Year: lectures 10 - 50, tutorials 10 - 15
Honours: classes 5 - 35, seminars 5 - 15

Teaching in first and second years is mainly by lectures, supplemented by regular small-group tutorials. At Honours level greater emphasis is put on individual study and on students taking a major role in preparing for, and conducting, seminars.

Typical methods of assessment
All our 1000- and 2000-level modules are assessed by at least 50% coursework, with the balance of assessment made up by written examinations. At Honours level at least 50% assessed work is coursework, with some modules including no exam element at all, depending on the subject area.

Dissertation
In the final year you write a dissertation on a topic of your choice under the personal supervision of a member of staff. The Scottish four-year Honours programme allows extra freedom to arrange your final two years to develop broad interdisciplinary interests and to achieve a greater depth of understanding in your chosen subjects.

Bursaries and prizes
A number of bursaries are made available each year to students within the Faculty of Divinity. The awards are competitive, and the primary consideration is academic merit. A number of undergraduate prizes are also awarded at the end of each academic year for outstanding coursework.

Careers
Graduates from the theological and biblical disciplines develop key transferable skills in critical thinking and in written and oral communication, which make them highly attractive to potential employers. Accordingly, employment prospects are usually wide ranging. A group of recent graduates from the School of Divinity includes a quality improvement officer with an English local council, a nursery nurse, an administrator with the Financial Services Agency (FAS), an officer in the accounts department of Nexus Communication, a policy officer with the Scottish Executive, a teacher, a trainee accountant with KPMG, an assistant minister with the Church of Scotland and a Youth Pastor with the Free Church of Scotland.

Previous graduates have become lawyers, corporate bankers, marketing managers, social workers, language therapists, even wine tasters, as well as vicars, chaplains and school teachers. Graduate-level employers have included the BBC, Royal Bank of Scotland, IBM, The Body Shop, Bristol-Myers Squibb Pharmaceuticals and Standard Life Assurance. Many graduates also go on to do further study. For more information: [http://bit.ly/sta-divinity-careers](http://bit.ly/sta-divinity-careers)

See also page 36 for details of the University’s Careers Centre.

More information on the structure and details of the degrees offered within the School of Divinity can be found on the following pages.
You choose one further module from an approved list of options that includes Divinity modules (e.g. New Testament Greek 2 or Hebrew 1: Introduction to the Hebrew Language) and modules taught in cognate subjects such as philosophy or history. Your two remaining modules may be chosen from the approved list, or from a module offered by another School in the Faculty of Arts or the Faculty of Science. This gives you an opportunity either to consolidate your Divinity interests or to develop interdisciplinary ones. Please note that we encourage people to take New Testament Greek and/or Hebrew but that neither language is required for the MTheol. The 2000-level module in Church History focuses on the Early and Mediaeval Church and its theology and practice.

Honours MTheol
In third year, you will complete eight out of ten short reading-centred modules (15 credits each) intended to bring you into close contact with the primary texts of Christian theology and biblical studies, providing transition from the broader thematic study of subjects at sub-honours level to the more detailed analysis of texts and traditions typical of Honours level work.

In fourth year, you choose two further modules and a one-semester dissertation, under the direction of a member of staff. The School provides significant support for the dissertation, with a breakdown of the assessment into different stages (e.g. a bibliography and a methodology paper) and a programme of seminars to assist in the development of advanced research and communication skills.

“At school I developed a passion for studying the Christian faith and I am very much enjoying my time here. I have not only found a deeper understanding and appreciation for theology, but also a cheerful community of friends. I am hoping to go on to postgraduate study and hopefully find employment in the educational world.”

Seamus (Llanelli, Carmarthenshire, Wales)
Divinity – Theological Studies

Degree options in the Faculty of Arts

MA (Single Honours Degree)
Theological Studies

MA (Joint Honours Degrees)
Theological Studies and one of:

- Classical Studies
- English
- Film Studies
- French
- Geography
- German
- Mathematics

W Available With Integrated Year Abroad – see Modern Languages.
H Standard pathway. Contact the School of History for more information.

For Entrance Requirements – see page 80

What will I study?

Theological Studies combines two distinct but closely related fields of study: Theology and Practical Theology.

Modules in Theology provide introductions to the rich theological traditions of Christianity, covering the history of Christian theology from the early church to the modern world, and considering key topics (God, salvation, Jesus Christ, Trinity, creation) in relation to the contexts in which they emerged and developed. They also consider some of the distinctive challenges to faith presented by modern secular culture (neo-Darwinian evolutionary theory, atheist existentialism, the role of religion in the modern world, poverty, and post-modern ‘deconstructionism’).

Modules in Practical Theology explore ways in which Christianity is being expressed and lived out today. They include the study of worship, spirituality and the development of the discipline of Practical Theology in the UK and internationally. Other modules address liturgy, and social and political engagement in Latin America and Africa. Topics of ethical concern across contemporary cultures are also explored (e.g. abortion, economic justice, sexuality and technology).

Indicative programme information

First and Second Years
(4 x 20-credit modules required over the 2 years)
In your first year you take two core modules:
- Theology: Issues and History (systematic theology and philosophy of religion)
- Living Faith (practical theology)

Further credits may be chosen from additional modules offered within Divinity. Alternatively, you may pursue broader interests by taking a module offered by other Schools in the Faculties of Arts or Science.

In your second year, you also take two core modules:
- Christian Thought and Practice
- The Early and Mediaeval Church: History, Beliefs and Practices

“... I have been able to explore the areas of history I am deeply interested in, as well as developing my skills of critique, exegesis and analysis. The atmosphere is one that is open, friendly, and intellectually stimulating, allowing you to grow as a person.”

Lucy (Manchester, England)

You may choose other modules from an approved list of options in Divinity and you have the opportunity to take modules in subjects outside Divinity. This gives you an opportunity to explore cognate subjects (such as philosophy or modern history) that allow interdisciplinary interests to develop. Within Divinity, Biblical Greek or Hebrew are additional options in the second year of study, but neither is a requirement for this degree programme. The 2000-level module in Church History focuses on the Early and Mediaeval Church.

Single Honours – Third and Fourth Years
(4 x 15-credit core taught modules, 1 x 30-credit dissertation, and 4 further 30-credit modules required over 2 years)
You choose four out of five core 15-credit modules, which are designed to bring students into contact with the primary texts of Christian theology. This will allow transition to the detailed engagement with theological writing involved in Honours study. These modules run through the first and second semester of third year and you choose two further 30-credit modules to take alongside these.

In fourth year, you choose two further modules and a one-semester dissertation, under the direction of a member of staff. The School provides significant support for the dissertation, with a breakdown of the assessment into different stages (e.g. a bibliography and a methodology paper) and a programme of seminars to assist in the development of advanced research and communication skills.

Joint Honours
Combining Theological Studies with another subject as a Joint Honours degree is also a popular option. In the first and second years you follow the same core modules in Theological Studies as Single Honours students. You choose your remaining modules according to the requirements of your other Honours subject.

Joint Honours includes the Semester 1 core modules (Reading in Patristic Theology and Reading in Mediaeval Theology) in third year, along with a further 30-credit module in Biblical Studies. In fourth year, you take a further 60 credits in Biblical Studies, either by completing the 30-credit dissertation on a topic of your choice or by taking a further two 30-credit modules. A dissertation must be completed in the final year, but this may be undertaken in either of the Schools involved in the joint programme.
Divinity
– Biblical Studies

What will I study?

Biblical Studies combines two major fields of study: Old Testament (or the Scriptures of Judaism) and New Testament.

The Old Testament modules focus on the history, religion and culture of Israel, and incorporate a wide range of texts from prophetic, hymnic, wisdom and apocalyptic literature. The New Testament modules focus on Jesus and the Gospels, Paul’s letters and the rest of the New Testament writings in the context of the history and theology of early Christianity. These courses of study are designed to introduce you to the complexities and wonders of reading biblical texts: contexts, content, methods and hermeneutics (a reading of ancient texts in a modern world.) In addition, you will choose a biblical language to study – either Hebrew or Greek – which will provide a basis for Honours level exegesis courses.

Biblical Studies provides an opportunity to explore in depth the profound influence that the Jewish and Christian Scriptures have had on Western civilisation. This can be done either by devoting the entire Honours programme to Biblical Studies or by taking a Joint Honours programme which combines Biblical Studies with another approved subject in the Faculty of Arts. For example, the Joint Honours combination with Ancient History allows you to study the wider context of the ancient world in which the New Testament texts were written.

The combination with English opens the door to discovering how biblical ideas and themes have found their way into so much of the literature of the English-speaking world.

Indicative programme information

First Year (2 x 20-credit modules required)
You take two core modules:

- Old Testament 1: Torah and Prophets
- New Testament 1: Jesus and the Gospels

And either Hebrew 1: Introduction to Hebrew Language or New Testament Greek 1

Further credits may then be chosen from additional modules offered within Divinity. Alternatively, you may pursue broader interests by taking a module offered by other Schools in the Faculties of Arts or Science.

“I came to St Andrews without any basis in Biblical Studies. Now I find myself equipped with two biblical languages and I hope to continue my studies following graduation. The School has also given me the opportunity to get involved with non-academic activities, which include the designing of college clothing and giving Open Day tours.”

Samuel (Newcastle Upon Tyne, England)
“I had no idea what to expect when I began Divinity, and had just taken it as an extra module. I was met with an engaging class with lectures that were informative and entertaining, and tutorials that stimulated discussion and (pardon the pun) revelation. I’ve been won over, and look forward to continuing Divinity next term.”

Tori (Kuala Lumpur, Malaysia)

Second Year (2 x 20-credit modules required)
Core modules:

- Old Testament 2: Wisdom, Psalms, Apocalyptic and Apocryphal Literature

And follow on with your Biblical language with Hebrew 2 or New Testament Greek 2.

You may choose other modules from an approved list of options in Divinity, and also have the opportunity to take modules in subjects outside Divinity.

Single Honours – Third and Fourth Years
(4 x 15-credit core taught modules, 1x 30-credit dissertation, and 4 further 30-credit modules required over 2 years)

You choose four out of five core 15-credit modules on advanced exegesis and hermeneutics, allowing transition to the detailed analytical study involved in Honours study. These modules run through the first and second semester of third year and you choose two further 30-credit modules to take alongside these.

In fourth year you choose two further modules and a one-semester dissertation, under the direction of a member of staff. The School provides significant support for the dissertation, with a breakdown of the assessment into different stages (e.g. a bibliography and a methodology paper) and a programme of seminars to assist in the development of advanced research and communication skills.

Joint Honours
Combining Biblical Studies with another subject as a Joint Honours degree is also a popular option. In the first and second years you follow the same core modules in Biblical Studies as single Honours students. You choose your remaining modules according to the requirements of your other Honours subject.

Joint Honours includes the Semester 1 core modules (Reading in the Old Testament/Hebrew Bible and Reading in the New Testament) in third year, along with a further 30-credit module in Biblical Studies. In fourth year, you take a further 60 credits in Biblical Studies, either by completing the 30-credit dissertation on a topic of your choice and another module or by taking a further two 30-credit modules. A dissertation must be completed in the final year, but this may be undertaken in either of the Schools involved in the joint programme.
Earth Sciences –
Environmental Earth Sciences, Geology

Degree options in the Faculty of Science

MGeol (Integrated Masters Degree)
Earth Sciences

BSc (Single Honours Degrees)
Environmental Earth Sciences
Geology

BSc (Joint Honours Degrees)
Geology and Biology
Geology and Chemistry

Features

* Our programmes are ranked third in the UK by the Guardian University Guide and the Times and Sunday Times University Guides, respectively for 2016.
* We specifically focus on skills and vocational training, emphasising fieldwork experience in diverse geological settings within the UK and overseas.
* The MGeol degree can include a three-month industry placement.
* The Geology and Environmental Earth Sciences degrees are accredited by the Geological Society of London and the Institution of Environmental Sciences, respectively. Accreditation is a benchmark of quality and employability, a professional recognition that our teaching is of the highest standard. Both accredited degrees provide a faster track to chartered status.
* Industry professionals are involved in teaching within some of the Honours modules.
* There is an active student-led Geological Society which co-ordinates social events and academic events.
* A number of industry-sponsored bursaries and scholarships are available each year.

Facilities and resources

The University has recently invested in several new state-of-the-art laboratory facilities for Earth and environmental science research for the high precision geochemical and isotopic analysis of minerals, rocks, soils, and fluids. You will receive hands-on training on these analytical facilities and undergraduate experimental and analytical research is encouraged.

Field kit, such as compasses, are provided for all entering students through industry sponsorship and about 50% of all field training costs are paid for through alumni contributions to our training programme. Students will need to pay ~£1,500 over the four-year degree; this is ~50% of the total cost.

Entrance Requirements

Obtaining the following grades will not guarantee you a place as we consider all aspects of every application, including the Personal Statement.

First Year Entry
SQA Highers and GCE A-Levels should include at least two sciences from Biology, Chemistry, Geography, Geology, Mathematics and Physics

SQA Highers: AAAAB
GCE A-Levels: AAB
International Baccalaureate Points: 36 including at least 2 HL6 science subjects*
Preference may be given to candidates with strong science qualifications.

Second Year Entry
SQA Advanced Highers/Highers and GCE A-Levels should include Geology plus two sciences from Biology, Chemistry, Geography, Mathematics and Physics

SQA Advanced Highers: AA and AA in two other Highers
GCE A-Levels: AAA
International Baccalaureate Points: 38 including at least 3 at HL7, HL6, HL6 from the following subjects: Biology, Chemistry, Geography, Physics

* An approved science: Biology, Chemistry, Computing Science or equivalent, Geography, Geology, Mathematics, Physics, Psychology.
For full Faculty Entrance Requirements, see page 53.
For degrees combining more than one subject, the subject with the higher Entrance Requirements determines the grades you need. You will also need to meet any further subject-specific Entrance Requirements as outlined on their pages.
For further country-specific qualifications and pre-degree foundation programmes see:
www.st-andrews.ac.uk/study/international

Do I need previous knowledge of this subject?
– Preferable for direct entry into second year

Subject enquiries

Dr Rob Wilson
E: earthsci@st-andrews.ac.uk
“With supportive and engaging staff and the breadth of Scottish geology at its doorstep, St Andrews is perfectly situated to study all aspects of Earth Science. Dynamic fieldwork opportunities, both within the UK and abroad, supported by innovative lab-based research and teaching by the very best of staff ensures a degree here is a gateway to a world of opportunities.”

Callum (Perth, Scotland)

### What will I study?

The Geology degree provides the training to understand how the lithosphere, hydrosphere, biosphere and atmosphere co-evolved. It emphasises the origin and chemistry of rocks and minerals, geological mapping and the genesis of hallmark periods of change in the development of the Earth system. The Environmental Earth Sciences degree focuses on Earth surface processes, the biogeochemical cycling of elements at the surface of the Earth, and environmental change. The MGeol in Earth Sciences is an Integrated Masters degree that combines subject knowledge across the Earth and environmental sciences and includes the opportunity for an internship with industry, an extended research project, and a major fieldwork expedition.

#### MGeol or BSc?

The MGeol degree is designed to give you advanced experience prior to undertaking full-time employment or PhD research. MGeol students normally have a formal industrial placement and take part in a geological expedition. Some sectors do not require a Masters-level degree and therefore any student can choose to graduate with a BSc degree.

#### Indicative programme information

The first two years of study for any degree are spent completing the core training in Earth Sciences and accompanying subjects.

##### First Year (2 x 20 credit modules required)

The Earth Sciences modules provide the underpinning concepts and fundamental aspects of Earth structure and Earth history, including the key ideas regarding the origin of the planet and its biosphere, as well as Earth materials and resources. There are several field excursions, including the five-day residential “Highland Fling” field course to classic Scottish geological localities, all of which are designed to reinforce and enhance the learning obtained in the lectures and laboratory practicals. The geological background to natural resources is a core theme of the excursion.

##### Second Year (3 x 30 credit modules required)

All students take a core Earth Sciences module in Semester 1 which provides basic knowledge and training in low temperature mineralogy, sedimentary systems, palaeontology, and geophysics. There is a dedicated module for each BSc degree in Semester 2 and they cover deep Earth geology (BSc Geology) and biogeochemical cycling and surface processes (BSc Environmental Earth Sciences). MGeol students take both Earth Sciences modules in Semester 2, and therefore develop the knowledge base and skills associated with the two core modules for Geology and Environmental Earth Sciences. There is a major emphasis on field training in second year through several day-long excursions in Scotland and two residential courses. BSc Geology students undertake an eight-day geological mapping excursion in central Spain, and the BSc Environmental Earth Sciences students complete a five-day excursion on the geochemistry and mineralogy of acid-mine drainage in the Rio Tinto region in southern Spain. The aims of the field courses are to develop the key skills required to observe, measure and interpret geological and geochemical data, as well as to build confidence, and encourage critical and independent thinking.

After completion of second year, you decide on your final degree choice (e.g. MGeol or BSc) and enter the Honours class.

#### Honours – Third, Fourth and Fifth Years

(7 - 8 x 15-credit core modules required in third year and at least 2 - 3 other 15-credit modules required over two years)

Study at Honours level is composed of core training and optional modules in which you have the opportunity to focus on a particular area of interest and undertake your own research. The modules involve key skills training and the opportunity to gain first-hand experience of new research discoveries and advances in Earth and Environmental Sciences by our staff in an integrated lecture-lab-field forum. Some selected examples of core modules are provided in the table below. Other modules that are either core or optional courses, depending on the degree programme, include Geodynamics, Geochronology, Global Climate Change, Contemporary Environmental Problems, Metallogeny and Isotope Geochemistry.

#### Some of the Core Modules taken in Years 3, 4 & 5

<table>
<thead>
<tr>
<th>Module</th>
<th>Degree Programmes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Geological Mapping</td>
<td>BSc Geology &amp; MGeol</td>
</tr>
<tr>
<td>Advanced Environmental Field Methods</td>
<td>BSc Environmental Earth Sciences</td>
</tr>
<tr>
<td>Geochemistry</td>
<td>All degree programmes</td>
</tr>
<tr>
<td>Igneous and Metamorphic Petrology</td>
<td>BSc Environmental Earth Sciences</td>
</tr>
<tr>
<td>Global Biogeochemical Cycles</td>
<td>BSc Environmental Earth Sciences</td>
</tr>
<tr>
<td>Processes and Products in Sedimentary Systems</td>
<td>All degree programmes</td>
</tr>
<tr>
<td>Structural Geology and Tectonics</td>
<td>BSc Geology &amp; MGeol</td>
</tr>
<tr>
<td>Petroleum Exploration and Geophysics</td>
<td>BSc Geology &amp; MGeol</td>
</tr>
<tr>
<td>Research Dissertation</td>
<td>All degree programmes</td>
</tr>
<tr>
<td>Industry and Research Placements</td>
<td>MGeol</td>
</tr>
</tbody>
</table>

In-depth training occurs in the first Honours year and includes the statistical analysis and presentation of scientific data. Fourth and fifth years are dedicated to further developing critical thinking and problem-solving skills, and the opportunity to gain industry experience. The content of each year is dependent on degree choice (MGeol or BSc). Choosing the BSc degree pathways require an independent research dissertation, involving field and laboratory analyses and research presentations. MGeol students can apply for a three-month placement in industry and complete a field- or laboratory-based research project. The fifth year includes an extended independent research dissertation and a project-based geological overseas expedition to localities linked to staff.
research areas. Optional Honours modules are also on offer across a range of Earth science topics for the Honours years. The extensive field training combined with research and industry experience that our degrees offer produce graduates that successfully compete for industry jobs or the best PhD projects.

Fieldwork
Our graduates are valued as independent and confident scientists in the field. This level of competence is developed through 14-day field excursions during Years 3 and 4, weekend and day-long field excursions associated with individual modules, and up to four weeks of fieldwork associated with the independent research projects. Two weeks of geological mapping are conducted in the NW Highlands during Year 3, providing intensive training on classic Scottish geology. Environmental Earth Sciences students have a tailored field mapping and geochemistry course in the Cairngorms. A two-week field course across the western Alps (Geology) and the central Pyrenees (Environmental Earth Sciences) at the beginning of fourth year are designed to integrate all the learning of the previous three years for all degree students. In total, students participate in at least 70 supervised field days over the length of the degree, and in most cases the amount of fieldwork is over 100 days with the research project component.

Study abroad
You may apply to study abroad under the University’s St Andrews Abroad programme. See page 46.

Typical class sizes and teaching information
First Year: lectures 90 - 110, tutorials 3 - 6
Second Year: 40 - 50
Honours: 30 - 40

Teaching is based on semester-length modules and hands-on practical/laboratory training. Performance is measured through a mixture of continuous assessment and examinations. Our degrees balance skills training, incorporating a significant laboratory and/or field component, with subject-based modules that deepen and broaden theoretical knowledge. Many modules enhance problem-solving skills and involve professional Earth scientists from industry. Field courses are fully integrated with the degree programmes and have been conducted in Scotland, England, Spain and the Swiss-Italian Alps in recent years. The country and geological setting of the MGeol expeditions varies each year, and participating students are involved in choosing the location and planning the expedition.

Second year Environmental Earth Sciences students in Rio Tinto, south-west Spain.

Fourth year dissertation student studying 7,000 year old pine trees in the Scottish Highlands.
“With some of the most iconic and diverse geology right on the doorstep, St Andrews is perfectly placed to study Earth Sciences. The Department is full of enthusiastic and supportive staff, and there are always opportunities for undergraduates to assist with cutting-edge research. The extensive fieldwork on offer, high-quality teaching and training in state-of-the-art laboratory facilities, ensure students graduate with the very best career prospects.”

Tanya (Stanmore, Middlesex, England)

Throughout each degree programme, you are encouraged and supported to develop literacy, numeracy, computing and presentation skills, as well as exercising critical, independent and creative thought and judgement.

Typical methods of assessment
All our 1000- and 2000-level modules are assessed by coursework that includes a practical examination (50%) and a final written examination (50%) based on short answer questions and essays. At Honours level, some modules are assessed through coursework (50%) and a final examination (50%), and other modules are based entirely on coursework. The BSc Honours dissertation and MGeol Advanced Research modules are year-long courses that are assessed through the written dissertation, a project proposal and a presentation. The MGeol research paper is expected to be of publishable quality.

Scholarships and prizes
Fieldwork expenses for Geology or Environmental Earth Sciences degree students are subsidised by the Irvine Bequest and contributions from our alumni. There are financial awards at every level of study for students who have earned the highest marks in fieldwork.

Careers
The Department is proactive about developing career opportunities, and career activities are provided for all students (from first year onwards). There are a wide variety of career options for Earth and Environmental Sciences graduates. Our graduates now work in the energy, natural resources and environmental sectors, as well as in wider science areas. Many students continue with research in PhD programmes before embarking on their professional careers. Our graduates are recognised internationally as being highly trained, independent thinkers with the appropriate skills required to problem solve in a variety of research or applied areas. For both BSc and MGeol graduates, recent employers include Chevron, Maersk Oil Ltd, BHP Billiton, BP, Shell, the British Geological Survey, Nexen Ltd., Norsk Hydro, Neftex, Red Rock Mining, African Mining Corporation, Fugro, Geotechnics Ltd., Axmin Inc., Scottish Natural Heritage, Scottish Environmental Protection Agency, Balfour Beatty, Mouchal and Jacobs.


See also page 36 for details of the University’s Careers Centre.
**Degree options in the Faculty of Arts or Faculty of Science**

**MA or BSc (Single Honours Degrees)**
- Economics
- Financial Economics

**BA (International Honours Degree)**
- Economics *(See page 45)*

**MA or BSc (Joint Honours Degrees)**
- Economics and one of:
  - Geography
  - Management
  - Mathematics

**MA (Joint Honours Degrees)**
- Economics and one of:
  - Ancient History
  - Arabic
  - Biblical Studies
  - English
  - Film Studies
  - German
  - International Relations
  - Italian

**BSc (Joint Honours Degrees)**
- Economics and one of:
  - Biology
  - Computer Science
  - Management Science

**MA “With” Degree**
- Honours in which the majority of the course deals with the first-named subject:
  - Economics with German
  - Economics with Russian
  - Economics with Social Anthropology
  - Economics with Spanish

*W* Available With Integrated Year Abroad — see Modern Languages.

**Entrance Requirements**

Obtaining the following grades will not guarantee you a place as we consider all aspects of every application, including the Personal Statement.

**SQA Highers:** AAAB**
**GCE A-Levels:** AAA**

International Baccalaureate Points: 38

** For BSc degrees – at least two Highers or one A-Level must include Mathematics, Biology, Chemistry, Computing Science or equivalent, Geography, Geology, Physics, Psychology.

For full Faculty Entrance Requirements, see page 53.

For degrees combining more than one subject, the subject with the higher Entrance Requirements determines the grades you need. You will also need to meet any further subject-specific Entrance Requirements as outlined on their pages.

For further country-specific qualifications and pre-degree foundation programmes see:
- [www.st-andrews.ac.uk/study/international](http://www.st-andrews.ac.uk/study/international)

**Do I need previous knowledge of this subject?**
- No, but mathematical ability is an advantage.

**General Enquiries**
- **UK/EU:** student.recruitment@st-andrews.ac.uk
- **Rest of the World:** international@st-andrews.ac.uk

**Features**

* We provide a structured, cumulative and rigorous foundation of economic concepts, principles, analysis, techniques and knowledge.
* We have specialist strengths in macroeconomics, choice theory, bounded rationality, game theory, expectations and learning, competition and innovation and climate change.
* More than 80% of the research output by staff in the School has been rated as internationally excellent and / or world-leading in the recent Research Excellence Framework 2014 – this was above the average for all Economics Departments in the UK. On the basis of the quality of its research publications the School came second in Scotland and joint-tenth in the UK.
* We help you develop your analytical and decision-making abilities by providing training in quantitative and model-based methods of analysis.
* Our programmes provide you with a wide range of transferable skills.
* The students run an active Economics Society.
“The School of Economics & Finance and its accessible staff have prepared me for my future career with hands-on economic modelling, policy debate, and theory derivation. My time as Captain of the Boat Club and Student Representative increased the sense of community that this small town engenders in its incredibly driven and vibrant students.”

Anthony (Guatemala City, Guatemala)

What will I study? – MA or BSc

Economics is studied up to Honours in both the Faculty of Arts and the Faculty of Science. Whether you study for an MA or BSc depends on what entrance qualifications you have and which other subjects you wish to do. The programmes you follow for MA and BSc are exactly the same within the Economics element of your degree (for other BSc requirements see page 5). In the first two years all students follow the same core programme in economic principles. There are no special admission requirements for entry to the 1000-level modules.

1000-level modules provide the required general knowledge of Economics as well as introductory quantitative techniques. Study of the subject in the second year and especially in Honours equips you with a fuller understanding of economic relationships and with further techniques necessary for their analysis. In addition to compulsory modules, in Honours you select modules from a range of options on specific topics. These provide an analytical understanding of key aspects of business management and government policy formation.

Indicative programme information

First Year
Microeconomics is the study of how households and firms make decisions about consumption and production and how they interact in markets. Macroeconomics is the study of phenomena which affect the national economy, such as unemployment, growth and inflation.

In the first year you are introduced to the principles of microeconomics and macroeconomics, as well as simple mathematical techniques for economists. The modules provide a basic insight into the use of quantitative methods, an understanding of contemporary issues as well as the economic system in general.

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.

Honours – Third and Fourth Years
We offer a wide range of modules every year, for example:

- Econometrics
- Decision and Game Theory
- Economic Growth

and also modules, which may vary, for example:

- Macroeconomic Policy
- Inequality and Redistribution
- Behavioural Economics
- International Macroeconomics
- Experimental Economics
- Corporate Finance
- Health and Education
- Economics of Labour
- Economic History

If you wish to specialise in finance you can take modules in Portfolio Management, Asset Pricing and Corporate Finance, in order to graduate with a degree in Financial Economics. You also have the opportunity to undertake independent study and research in a dissertation. Further details of the degree structure and a list of current Honours modules are available here: www.st-andrews.ac.uk/coursecatalogue

Study abroad
You may apply to study abroad under the University’s St Andrews Abroad programme. See page 46.

Typical class sizes and teaching information

First Year: lectures 320 - 360, tutorials 15 - 22
Second Year: lectures 220 - 250, tutorials 14 - 20
Honours: lectures 20 - 110, tutorials 11 - 15

First and second year modules generally involve a series of lectures, laboratories and tutorials, the latter in smaller groups to facilitate effective interaction.

Single Honours students typically attend seven to eight lectures and one to two tutorials or labs each week. Joint Honours students typically attend three to four lectures a week and also have tutorials in most weeks.

Typical methods of assessment

Progress is monitored through tutorial assignments and assessment is by a combination of graded work and examinations. Almost all our modules are assessed by at least 50% written examinations, with the balance of assessment made up by coursework.

Careers

Popular career choices amongst recent graduates include: investment, commercial and international banking, accountancy, consultancy, management in the industrial and commercial sectors, organisations such as the Bank of England and the World Bank, the Civil Service, university research and teaching, and the media.

You will find St Andrews Economics graduates at renowned financial institutions such as Accenture, Ernst & Young, JP Morgan, Barclays Capital, PriceWaterhouseCoopers, HSBC and Lloyds, to name but a few. Further information: http://bit.ly/sta-economics-careers

See also page 36 for details of the University’s Careers Centre.
Degree options in the Faculty of Arts

MA (Single Honours Degree)
English

BA (International Honours Degree)
English (See page 45)

MA (Joint Honours Degrees)
English and one of:

- Arabic
- Art History
- Biblical Studies
- Classical Studies
- Classics
- Comparative Literature
- Economics
- Film Studies
- French
- German
- Hebrew
- Italian
- Latin
- Management
- Mathematics
- Mediaeval History
- Middle East Studies
- Modern History
- Philosophy
- Psychology
- Scottish History
- Social
- Anthropology
- Spanish
- Theological
- Studies

English and two Modern Languages

Any combination of Arabic, French, German, Italian, Persian, Russian, Spanish is available (3 Modern Language modules (150 credits) and 3 English modules (90 credits) at Honours). See page 130.

W Available With Integrated Year Abroad – see Modern Languages.
E Where first-level Russian modules clash with EN1003 and/or EN1004 then CO1001 and/or CO1002 should be taken instead.

MA Mediaeval Studies
This degree (in which English modules may be taken) is administered through the Department of Mediaeval History. See page 106.

Entrance Requirements

Obtaining the following grades will not guarantee you a place as we consider all aspects of every application, including the Personal Statement.

SQA Highers and GCE A-Levels must include English Language or English Literature or Drama

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

For full Faculty Entrance Requirements, see page 53.

For degrees combining more than one subject, the subject with the higher Entrance Requirements determines the grades you need. You will also need to meet any further subject-specific Entrance Requirements as outlined on their pages.

For further country-specific qualifications and pre-degree foundation programmes see:

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

Do I need previous knowledge of this subject?
– Yes, see above.

Features

- In the UK Research Excellence Framework 2014, the School is rated top in Scotland and sixth in the UK.
- In our most recent teaching review, the curriculum was rated ‘broad, well balanced and notable for its generous range of options covering all periods of literary writing in English from Anglo-Saxon times to the present. Students benefit from engagement with enthusiastic, highly regarded research-active staff who are also dedicated to teaching and ensuring students have the best possible experience at St Andrews’.
- Members of the School include winners of the Queen’s Gold Medal, the Forward Prize, the Whitbread Prize and T S Eliot Prize for poetry, and the Jerwood Fiction Prize, the Saltire Scottish Book of the Year Award, the Somerset Maugham Award, and a Commonwealth Writers Prize for fiction.
- Varied programme of published authors as visiting speakers, giving students the chance to discuss contemporary literature and criticism with leading modern writers.

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 mediaeval 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. The opportunity to read, to discuss, and to reflect with clarity on a wide variety of texts develops analytical, descriptive, and evaluative skills. You learn to communicate more fluently, lucidly, economically, and persuasively. These skills are both intrinsically enriching and eminently transferable.

In your first and second years the modules in English will take up one third of your time. At Honours, in the third and fourth years, you can do all your work in English or, if you choose to take a Joint Honours degree, you can divide your time between English and another subject. In all four years you will be assessed partly on your coursework, submitted during the semester, and partly on your performance in examinations at the end of the semester. The emphasis in our first- and second-year modules is on introducing texts from the full range of English literary history and methods for interpreting them. At Honours you are able to make choices from the wide range of modules taught by specialists in the School, on subjects ranging from Beowulf to science fiction.
“Having originally applied to read English Literature, the chance to take Philosophy modules at sub-honours ignited an interest in that subject and therefore I am now studying for a Joint Honours degree. I feel that the flexibility of the degree programmes, and the support for any difficulties you may have along the way, is what makes a degree at St Andrews unlike many others. Students are encouraged to embark on an independent journey of academic and self-discovery whilst having access to a network of academic, social and welfare support.”

Francesca (Tadworth, Surrey, England)

Indicative programme information

First Year (2 x 20-credit modules required)
Culture and Conflict: An Introduction to Nineteenth- and Twentieth-Century Literature explores texts in prose and verse, ranging from Wuthering Heights and Dr Jekyll and Mr Hyde to contemporary Scottish writing. Emphasis is on practical criticism, close reading and the importance of literary/historical contexts. Explorers and Revolutionaries: Literature 1680-1830 covers, among other works, Gulliver’s Travels, Frankenstein, Wordsworth and Coleridge’s Lyrical Ballads, and looks at travel, colonialism, the Gothic and the Romantic.

Second Year (2 x 20-credit modules required)
Mediaeval and Renaissance Texts provides an introduction to the earliest literature in English and the language in which it is composed. The mediaeval element draws on editions prepared by scholars in the School of English, designed to make early texts readily accessible. The Renaissance element focuses on Donne’s Songs and Sonnets and Milton’s Paradise Lost.

The second year programme concludes with Drama: Reading and Performance, a module that concentrates on the special characteristics of drama as an art form that crosses the boundaries of written text and public performance. The module covers a wide range of plays from Christopher Marlowe and William Shakespeare to contemporary Scottish drama.

Honours – Third and Fourth Years
There is an exciting range of some 40-45 modules from which to choose, and options may include Chaucer, Scottish Literature, Jane Austen, T S Eliot, Creative Writing, Shakespeare and Film, Beowulf and a wide variety of other topics and approaches to the study of literature written in English. Single Honours students normally take eight modules in the two Honours years. You must include at least one module on mediaeval literature, one module on early modern literature and one other module on eighteenth-century, Romantic or nineteenth-century literature. Joint Honours students normally take four modules in English (including one on pre-twentieth-century literature), and four in another subject. The dissertation, which is compulsory for Single Honours students, allows you to write an extended essay on a literary topic of your own choice.

Several other modules involve creative coursework which – as well as the traditional essay – may involve literary journal-keeping (Literature and Ecology); writing a short play in its entirety (Playwriting); or the opportunity to try a bit of mediaeval forgery (Courtly Literature in Middle English). 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
In 2016 – 2017 as a student of English, you may apply to participate in our Erasmus+ exchange with Trinity College Dublin. You may also apply to study abroad under the University’s St Andrews Abroad programme, see page 46. For options available during your intended period of study, see: www.st-andrews.ac.uk/studyabroad/outgoingstudents

For further information about eligibility, the application and selection process, and costs involved, please see: www.st-andrews.ac.uk/studyabroad

Typical class sizes and teaching information
First Year: lectures – 240, tutorials – 5-9
Second Year: lectures – 150, tutorials – 5-9
Honours: classes generally have no more than 20

Most modules at all levels are taught by a combination of whole-class lectures and small discussion groups, either tutorials or seminars. We aim to give all students in English the chance to discuss their work in tutorials or seminars, since we think that is the best way of teaching and learning. Prospective students should note that candidates who are allowed to write their exams on a computer are not permitted to use Spellcheck.

Typical methods of assessment
Almost all our modules are assessed by a balanced mixture of coursework and written examinations.

Extra-curricular events
The School of English also offers a lively and enriching programme of events open to undergraduate students, ranging from workshops, where creative writers meet to share their work and exchange ideas, to readings and discussions with leading poets, novelists, critics and scholars. Many students become involved in the Literary Society, student drama, or debating.

Careers
Recent graduates in English have entered a wide variety of professions and career paths. They have taken up internships with the United Nations, become writers and editors for Penguin Books, Harper Collins, The Times, Country Life magazine, and The Field magazine. They have gone into sales in a number of spheres such as books and music, e.g. Waterstones, W H Smith, and work for charitable organisations (Save the Children), into public policy (Scottish Executive, British Council), and into arts administration (the Barbican Centre, Sotheby’s). A couple of graduates have gone into the financial sector – KPMG and Abbey National, and one is a head-hunter for a small film company.

A large number of our graduates go into postgraduate study, some to other universities but many remaining with us in St Andrews, especially as the University offers a Recent Graduate Discount. A considerable number of graduates follow careers in teaching in a wide variety of school environments. For more information: http://bit.ly/sta-english-careers

See also page 36 for details of the University’s Careers Centre.
Film Studies

Degree options in the Faculty of Arts

MA (Single Honours Degrees)
Film Studies

MA (Joint Honours Degrees)
Film Studies and one of:
Ancient History
Arabic
Art History
Biblical Studies
Classical Studies
Comparative Literature
Economics
English
French
Geography
German
International Relations
Italian
Modern History
Philosophy
Psychology
Russian
Scottish History
Social Anthropology
Spanish
Theological Studies

W Available With Integrated Year Abroad – see Modern Languages.

Entrance Requirements

Obtaining the following grades will not guarantee you a place as we consider all aspects of every application, including the Personal Statement.

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

For degrees combining more than one subject, the subject with the higher Entrance Requirements determines the grades you need. You will also need to meet any further subject-specific Entrance Requirements as outlined on their pages.

For full Faculty Entrance Requirements, see page 53.

For further country-specific qualifications and pre-degree foundation programmes see:
www.st-andrews.ac.uk/study/international

Do I need previous knowledge of this subject? – No.

Features

* The Department of Film Studies consistently receives excellent ratings of student satisfaction in course evaluations and national polls.
* Academics at the cutting edge of their discipline introduce you to the latest ideas and innovations in research.
* You are exposed to a wide range of films from around the world, not only Hollywood and Europe.
* Based on staff expertise, modules cover key topics in film including stardom, authorship, identity, industry, history, politics, and technology.
* You develop proficiency in oral and written communication, critical thinking, media literacy, and other transferable skills.
* We consistently maintain high standards of teaching and student work.
* Students take an active role in St Andrews’ robust film culture, participating in and programming film series, festivals, and other events.

Location and resources

The Department is located in two buildings on North Street near the town’s cinema. All Film Studies modules are taught in a way that includes the screening of selected cinematic texts, which take place in a specially equipped auditorium. The University Library holds an extensive collection of film and audiovisual materials. Our vibrant research culture features many student-led initiatives, including film festivals such as the ‘60 Hour Film Blitz’, the Reel Film Society (a student-run film series), our postgraduate film journal, Frames; and student-led professional conferences and symposia.

What will I study?

Film Studies at St Andrews is a dynamic and growing discipline, drawing in students with a variety of intellectual interests. The Film Studies degree resonates with the demands of today’s job market, where film and media literacy is of direct relevance to a variety of careers, from journalism and teaching to professions in the creative industries. Our students engage with the cultural, historical, and intellectual substance of film scholarship, and emerge with a powerful and relevant set of analytical tools.

Film Studies at St Andrews is defined by a particular focus on world cinemas. We critically examine the history of cinematic art across time and cultures, looking at a diverse range of topics from sexuality in film to activist documentary, from early propaganda to the contemporary European crime film. Film Studies uses a variety of critical, theoretical and historical approaches to examine the most significant cultural form of the twentieth century.
“Film Studies has been incredibly interesting for me throughout my time here at St Andrews. The lecturers are really knowledgeable and enthusiastic about the subject, and the film screenings each week expose me to so many different films that I wouldn’t have seen otherwise. I have enjoyed my course immensely.”

Emma (Bury St Edmunds, Suffolk, England)

The introductory modules at sub-honours (first and second years) lay the foundation and provide the theoretical, cultural and methodological frameworks you will need for the more specialised and increasingly challenging modules offered at Honours. The Honours syllabus reflects the research expertise of teaching staff, who are, in many cases, pre-eminent scholars in the field. Students work closely with the teaching staff, developing excellent intellectual, writing and research skills that are useful in a wide variety of professions.

Indicative programme information

First Year (2 x 20-credit modules required)
The two 1000-level modules include film form and aesthetics, 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), early cinema and the advent of sound, classical Hollywood cinema, key aspects of European cinema and other world cinemas. Cinema provides a rich resource for analysing the social, cultural, and ideological currents of a particular historical moment, and the films we teach bring these into bold relief.

Second Year (2 x 20-credit modules required)
The two 2000-level modules focus on historical aspects and technological advances in the period following World War II, typically looking at new wave cinemas in Europe, political movements in Latin America and Africa and contemporary trends in Asia. Throughout these modules we introduce a variety of methodological and theoretical frameworks for the historical study of cinema and the visual media. Based on screenings of a selection of cinematic texts, you are also introduced to questions of identity and representation, and the relationship of film, public discourse, cultural production, and cultural policy.

Honours – Third and Fourth Years
Honours modules explore particular topics, such as War and Cinema, Cinemas of India, and the European science fiction film. Each week you will participate in seminar discussions of advanced work in the field. The Honours programme introduces a diverse range of film theories covering gender, national & transnational, and philosophical approaches. In your final year you will have the opportunity to complete a dissertation on an advanced topic in Film Studies.

We offer a rich programme combining traditional approaches to film study with emerging forms of critical thought. We specialise in:

- World cinemas
- Film, human rights and activism
- Queer theory and gender identity
- Film and Politics
- Film and History
- War and cinema
- Colonial film
- Early cinema and film history
- Documentary, advertising and non-theatrical film
- Film and music
- Film festivals

Modules available will reflect current staff specialisms and therefore may vary year to year.

Study abroad
You may apply to study abroad under the University’s St Andrews Abroad programme. See page 46.

Typical class sizes and teaching information

First Year: lectures 153, tutorials maximum 10
Second Year: lectures 75 - 153, tutorials maximum 10 (usually fewer)
Honours: classes maximum 16

The teaching makes use of the University’s growing collection of films on DVD, which includes films from various historical periods and national traditions. Most teaching on film takes place in a lecture theatre equipped for the evening film screenings that accompany lectures. Sub-honours Film Studies modules are taught by a combination of whole-class lectures, screenings and seminars. Class sizes at Honours vary between modules. We aim to give all students in Film Studies the chance to engage in learning, debating and presenting in lively seminars.

Typical methods of assessment
All 1000- and 2000-level modules are assessed by a balance of coursework and written examinations. At Honours level, the modules are entirely assessed on the basis of coursework.

Careers

A degree in Film Studies from St Andrews will provide an excellent foundation for a wide range of careers as well as for careers directly connected with cinema (such as film distribution and production, arts administration, cinema management, film festivals, advertising and public relations, journalism/media, publishing and education).

The main purpose of the programme is to provide a high quality general education, promote independence of thought and encourage intellectual initiative backed by a solid knowledge of cinema’s history. We do not teach film production, although we do host film festivals and frequently invite filmmakers to the University as guest speakers.

Film Studies graduates will be well placed to compete in today’s job market, having gained an extensive range of skills from written and oral communications to archival research and visual analysis. For more information: [http://bit.ly/sta-filmstudies-careers](http://bit.ly/sta-filmstudies-careers)

See also page 36 for details of the University’s Careers Centre.
French

See also Modern Languages page 130

Degrees all available With or Without Integrated Year Abroad

Degree options in the Faculty of Arts or Faculty of Science

MA (Single Honours Degree)
French

MA (Joint Honours Degrees)
French and one of:
- Ancient History
- Arabic
- Art History
- Biblical Studies
- Classical Studies
- Classics
- Comparative Literature
- English
- Film Studies
- Geography
- German
- Greek (Ancient)
- Hebrew
- International Relations
- Italian
- Latin
- Management
- Mediaeval History
- Modern History
- Persian
- Philosophy
- Psychology
- Russian
- Social Anthropology
- Spanish
- Theological Studies

MA (Honours Degrees) in
- French and two of Arabic, German, Italian, Persian, Russian, Spanish
- French and (one of Arabic, German, Italian, Russian, Spanish) and Comparative Literature
- Modern Languages (French and (one of Arabic, German, Italian, Persian, Russian)) and one of Ancient History, English, International Relations, Latin, Management
- Modern Languages (French and (one of Arabic, Italian, Persian, Russian)) and Classical Studies
- Modern Languages (French and (one of German, Italian, Persian, Spanish)) and Greek
- Mediaeval Studies (see page 106)

Entrance Requirements

Obtaining the following grades will not guarantee you a place as we consider all aspects of every application, including the Personal Statement.

SQA Highers: AAAB (A in French)**
GCE A-Levels: AAB (A in French)

** For BSc and MChem degrees – Chemistry is required and one further Higher must include Mathematics or an approved science. Approved sciences are: Biology, Computing Science or equivalent, Geography, Geology, Physics, Psychology.

International Baccalaureate Points: 36 including HL6 in French.

For full Faculty Entrance Requirements, see page 53.

For degrees combining more than one subject, the subject with the higher Entrance Requirements determines the grades you need. You will also need to meet any further subject-specific Entrance Requirements as outlined on their pages.

For further country-specific qualifications and pre-degree foundation programmes see:
www.st-andrews.ac.uk/study/international

Do I need previous knowledge of this subject? – Yes, see above.

Subject enquiries
Dr Gavin Bowd
E: frenchhod@st-andrews.ac.uk

Features
- Academic staff are leading researchers in their fields.
- The teaching team is engaging and includes several native speakers.
- Acquisition of high-level skills in spoken and written French.
- Honours modules in French Literature, History and Culture, ranging from the Mediaeval period to the twenty-first century.
- Transferable skills, such as analysis, synthesis and the ability to give public presentations, are developed throughout the programme.
- Opportunity to apply for a work placement in France as part of a five-year degree or study at a French university as an integral part of a four-year degree.

Resources
The Department of French is diverse in its outlook and activities. Significant numbers of international students are attracted to it within the context of our exchange and postgraduate study programmes, making it a truly international and francophone environment in which to pursue academic study. We have a Multimedia Centre with the latest technology.

Return to Subjects
“St Andrews is the most wonderful place. This small town offers an entirely unique experience: the balance between a challenging academic environment and a seaside holiday mindset cannot be compared to any other university. I love studying French and seeing my level of language and appreciation for French culture improve. Although my year abroad was truly phenomenal, I am so glad to be back in the ‘Bubble’, with lifelong friends, fantastic societies and a positively hectic social calendar.”

Alice (Edinburgh, Scotland)

What will I study?

- You will be given the opportunity to develop language and communication skills to a level of high proficiency.
- You will be offered a broad view of French literature, civilisation and culture in the first two years of study.
- You will be able to shape your degree according to your various interests in specific topics at Honours level.
- You will be allowed to develop analytical and critical skills, along with transferable skills, in English and in French.
- You will be given direct access to French culture, history and values, and to all the debates, contradictions and extraordinary creativity that characterise contemporary France.

The building of a high level of competence in language skills is a priority in all modules, and you will be expected to write using correct spelling, grammar and punctuation in both French and English.

Indicative programme information

First Year (2 x 20-credit modules required)  
The language modules, taught in French and English, are designed to consolidate and develop skills acquired in secondary school, and to increase fluency in the target language. Four literature texts – encompassing prose, drama and poetry – are studied per semester; these are read as a means of enhancing language learning and introducing you to wider issues of French history and cultural identity. Teaching includes two-and-a-half hours of language per week (including one oral class with a native speaker), plus literature lectures and seminars.

Second Year (at least 40 credits required over Semester 1 and Semester 2)  
The course diversifies, and is taught primarily in French. It comprises a core language element and, depending on your degree choice, literature and/or civilisation. The course aims to prepare you for the Year Abroad and help you to make an informed choice of modules at Honours level. The second year French course is currently being redesigned. You are invited to contact the Department for further information.

Honours – Third and Fourth Years  
(normally 4 x 15-credit core modules required and at least 5 other 15-credit modules required over 2 years)  
In Honours we offer four consecutive 15-credit language modules with an emphasis on communication skills. A range of modules in language, literature, intellectual history and twentieth- and twenty-first century culture, politics and society is also available. We also offer dissertation modules, allowing you to work on extended personal research with a tutor to advise you.

Every year, the French Department awards the following prizes and bursary:
- The Dudley Morgan Prize for the best final year student(s)
- Year-Abroad Project Prize
- The Margaret P K Fleming Bursary to study at a French university

Study abroad

Many students take the opportunity to apply to spend a year working in France, between second year and Junior Honours (third) year. UK students may undertake teaching placements in French schools through the British Council’s Language Assistantship scheme. Alternatively, you may organise a work placement with the approval of the Department. You may instead apply to spend your Junior Honours year at one of our Erasmus+ partner institutions; in these cases the work done in France replaces the Junior Honours year in St Andrews. In 2016 - 2017 our partners include the Sorbonne and Sciences Po in Paris, as well as the universities of Toulouse and Perpignan. All students are fully briefed about the possibilities for study abroad during second and third semesters in St Andrews. For options available during your intended period of study, see: www.st-andrews.ac.uk/studyabroad/outgoingstudents

For further information about eligibility, the application and selection process, and costs involved, please see: www.st-andrews.ac.uk/studyabroad

You may also apply to study abroad under the University’s St Andrews Abroad programme. See page 46.

Typical class sizes and teaching information

First Year: lectures 110 - 140, literature seminars 7 - 15, language classes 15 - 17, oral classes 9 - 12
Second Year: lectures 80 - 100, literature seminars 10 - 17, language classes 10 - 17, oral classes 9 - 12
Honours: 15-credit module seminars 14 - 18, language classes 12 - 18, oral classes 8 - 12

Lectures are used to provide information, to stimulate thought and to suggest directions for further reading and personal study. Small language classes and seminars will allow you to work together and with your tutors, presenting papers and discussing texts and issues relevant to the course. Specialist Honours modules encourage you to pursue your individual interests, to work together on texts and ideas, and develop spoken and written communication skills.

Typical methods of assessment

All our modules include at least 40% assessment by coursework with the balance of assessment in the form of written examinations.

Careers

Recent graduates have gone to work for the British Council, HSBC’s executive training programme, Citibank, Christian Salvesen, Harper Collins, Glasgow City Council and even to work in Japan teaching English as part of the JET scheme. Many also go on to study for postgraduate qualifications or higher degrees. For more information: http://bit.ly/sta-modlangs-careers

See also page 36 for details of the University’s Careers Centre.
Degree options in the Faculty of Science or Faculty of Arts

MA or BSc (Single Honours Degree)

Geography

Joint Honours Degrees

Geography and one of:

- Arabic (MA)
- Art History (MA)
- Biology (BSc)
- Comparative Literature (MA)
- Economics (BSc or MA)
- Film Studies (MA)
- FrenchW (MA)
- Hebrew (MA)
- International Relations (MA)
- ItalianW (MA)
- Management (BSc or MA)
- Mathematics (BSc)
- Mediaeval History (MA)
- Middle East Studies (MA)
- Modern History (MA)
- Philosophy (MA)
- Psychology (MA)
- Social Anthropology (MA)
- Statistics (BSc)
- Theological Studies (MA)

“With” Degrees

Honours in which the majority of the course deals with the first-named subject:

- Geography with Persian (MA)
- Geography with Social Anthropology (MA)
- Geography with SpanishW (MA)
- Mathematics with Geography (BSc)
- Psychology with Geography (MA)
- Russian with Geography (MA)
- Social Anthropology with Geography (MA)
- Spanish with GeographyW (MA)

* Available With Integrated Year Abroad – see Modern Languages.

[If you wish to study Arts subjects in your first and second years, apply for the MA rather than the BSc degree.]

Entrance Requirements

Obtaining the following grades will not guarantee you a place as we consider all aspects of every application, including the Personal Statement.

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

** For BSc degrees – at least two Highers or one A-Level must include Mathematics, Biology, Chemistry, Computing Science or equivalent, Geography, Geology, Physics, Psychology.

For full Faculty Entrance Requirements, see page 53.

For degrees combining more than one subject, the subject with the higher Entrance Requirements determines the grades you need. You will also need to meet any further subject-specific Entrance Requirements as outlined on their pages.

For further country-specific qualifications and pre-degree foundation programmes see: www.st-andrews.ac.uk/study/international

Do I need previous knowledge of this subject? – No.

Features

- The School of Geography & Geosciences was top in Scotland in the UK’s Research Excellence Framework 2014.
- Externally acclaimed training in quantitative and qualitative research methods.
- Wide range of module choice spanning the full range of Geography.
- Particular strengths in:
  - Climate change and environmental management
  - Population, development and gender studies
  - Quaternary (ice age) and glacial studies
  - Cities and housing
  - Geographic Information Systems (GIS).
- Excellent laboratory, IT and field resources.
- Fieldwork opportunities in all four years, both in Scotland and overseas.
- Highly literate and numerate graduates with excellent employment prospects.

What will I study – BSc or MA?

At St Andrews you have the choice of either a BSc or MA Geography degree, depending on your background and what other subjects you want to study in your first two years, but both programmes give you access to all our optional modules across the full breadth of Geography (for other BSc requirements see page 5). You are also able to take modules offered by the Sustainable Development programme.

We explore a fascinating range of important environmental and international phenomena. These include: glaciers and ice ages; climate and weather; environmental change and management; population change, migration and border politics; urbanisation, development and geo-political conflict; socio-spatial inequalities (widening gaps in wealth, health and well-being); and environmental economics. We bring such concerns to life through the study of – and fieldwork in – many parts of the world, both close to home and further afield. At all stages, we emphasise the development of both discipline-specific and transferable skills: field, laboratory, computing, analytical and presentational skills. Above all, our degrees provide an exciting challenge to those who wish to think critically and creatively about the world around them, and understand the interaction of environmental systems and human activity.
“Brimming with friendly faces, cutting-edge facilities and world-class academics, the Department at St Andrews is second to none. The programme of study allows students to immerse themselves in a wide range of topics, develop a plethora of mixed research skills, and study in numerous settings, including in the computer and research labs, in classroom tutorials and, everyone’s favourite, out in the field. Though St Andrews has gifted me with countless wonderful memories, one of my most fond is surely our week-long Honours fieldtrip to the stunning glaciated landscapes of Norway.”

James (Lytham St Annes, Lancashire, England)  
BSc (Hons) Geography (2015)

Indicative programme information

First Year MA and BSc (1 x 20-credit module required)  
Our first-year modules stress the value of developing an integrated, coherent vision of the world. They adopt a global perspective in exploring the complex interrelationships between people and planet, and the implications of humans becoming a force of nature. The topics studied include climate change, the idea of the Anthropocene, biodiversity loss, food and famine, environmental migration, geo-political strife and technological change. Such topics are used to emphasise that the study of society and the environment belong together.

Second Year MA and BSc (2 x 30-credit modules required)  
Our second-year modules build on first year by exploring the rich and diverse nature of the discipline of geography, and prepare you for Honours study. These modules provide both a conceptual and an applied (methods-oriented) grounding in physical geography, environmental geography and human geography. The modules cover: earth surface processes; environmental hazards and environmental management; diverse topics in human geography; and Geographic Information Science (GIS) and spatial data analysis.

Honours – Third and Fourth Years (1 x 60-credit core taught module and 1 x 50-credit dissertation module required and additional optional modules)  
Honours modules blend skills training with subject-based themes across the broad sweep of geography. You can choose to specialise in one aspect of geography or to engage with the full, fascinating breadth of the discipline. We offer around 25 specialist optional modules. The ‘menu’ evolves to reflect exciting new research trends and the expertise of staff, but current modules in 2015-2016 include:

- Glaciers and Glaciation
- Long Term Perspectives on Sustainability
- Climate and Weather Systems
- Migration and Transnationalism
- Housing, Community and Social-Spatial Justice
- HIV/AIDS in sub-Saharan Africa
- Science, Society and Natural Resource Management
- Political and Cultural Geographies of the Border

Our Honours programme gives you advanced and in-depth training in the essential field, laboratory, observational and IT skills expected of geography graduates. Core skills are developed in ‘hands-on’ modules giving you direct experience of state-of-the-art data collection and analysis: statistical analysis; survey and questionnaire design; scientific sampling and dating; qualitative research methods (such as interviewing and participatory approaches); GIS and remote sensing; and field-based skills. Fieldwork is conducted both locally and overseas. Recent locations have included Norway, the Pyrenees, Iceland and Galway. Your final semester is devoted to your research dissertation, applying your newfound intellectual and practical skills to your chosen topic.

Study abroad  
You may apply to study abroad under the University’s St Andrews Abroad programme. See page 46.

Typical class sizes and teaching information

First Year: lectures 150 - 200, seminars and practical classes 20 - 30, fieldtrip 2 days (5 - 20), tutorials 8 - 10
Second Year: lectures 80 - 120, seminars and practical classes 15 - 20, fieldtrip 3 days (10 - 15), tutorials 8 - 10
Honours: lectures 10 - 50, fieldtrip 8 days (4 - 10), laboratories and seminars 10 - 50, tutorials 1 - 5, dissertation – individual supervision

Typical methods of assessment  
All 1000- and 2000-level modules are assessed by at least 40% coursework (individual and some group work; essays, written reports on field and laboratory activities, class tests, multiple choice assignments), and with the balance of assessment in examinations. At Honours level about half of all credits are assessed by 100% coursework. Most optional modules include at least 40% assessed coursework, and there is a wide range of innovative assessment formats.

Scholarships and fieldwork support  
The Department subsidises all required fieldwork, reducing the charged cost to £50 in each of the first two years. The cost of the third year overseas fieldtrip is around £300-500; students experiencing financial difficulties can apply to the Department’s Hardship Fund which may cover some or all of this cost. Students also have the opportunity to apply for Departmental scholarships. The MacIver Award is offered each year to support students carrying out Geography fieldwork (other than for their dissertation) during the summer vacation. The Dorothy McKinney Awards support dissertation fieldwork in human geography.

Careers  
Because of the broad nature of geography, graduates leave St Andrews with a diverse and unique skill set, putting them in a very strong position in the jobs market. While geography is closely associated with certain particular careers (e.g. in the environmental sphere), and some graduates pursue these very successfully, many others find that their geographical training equips them with a valuable array of transferable skills which open up a rich diversity of career opportunities. Many of our students are also successful in competing for postgraduate opportunities, both nationally and internationally, at both Masters and PhD level.


See also page 36 for details of the University’s Careers Centre.
German

See also Modern Languages page 130
Degrees all available With or Without Integrated Year Abroad

Degree options in the Faculty of Arts

MA (Single Honours Degree)
German

MA (Joint Honours Degrees)
German and one of:
- Ancient History
- Arabic
- Art History
- Biblical Studies
- Comparative Literature
- Economics
- English
- Film Studies
- French
- International Relations
- Italian
- Management

MA "With" Degree
Honours in which the majority of the course deals with the first-named subject:
Economics with German

MA (Honours Degrees) in
- German and two of Arabic, French, Italian, Persian, Russian, Spanish
- German and (one of Arabic, French, Italian, Russian, Spanish) and Comparative Literature
- Modern Languages (German and (one of Arabic, French, Italian, Persian, Russian, Spanish)) with one of Ancient History, English, International Relations, Management
- Modern Languages (German and (one of French, Italian, Persian, Spanish)) with Greek (Ancient)
- Mediaeval Studies (see page 106)

Features
- German at St Andrews offers a broad range of German studies from the Middle Ages to the present.
- We teach linguistics and area studies as well as literature, and have strong links with Comparative Literature (see page 74).
- You can combine German with one or two other languages.
- Joint Honours with subjects as diverse as English, History, Management, Psychology or Theology are possible.
- The degree comprises four years of in-depth study.
- Our language courses cater for beginners and post-A-Level/Higher students.
- German skills are highly sought after by employers.

Resources
The School has a Multimedia Centre with the latest electronic technology to enhance the learning and practice of oral and aural skills.

What will I study?
We will help you to develop your intellectual and cultural competence and to acquire communicative skills which will be invaluable in your future career: the ability to analyse and discuss critically, to present a reasoned argument, and to use Information Technology. We aim to help you to maximise your potential in practical language skills and, if you take German as a main subject, to provide a broad education in the literature and culture of German-speaking societies past and present.

You are able to combine German with a wide range of other language and non-language subjects. This is especially the case in the Honours years, when you have scope to construct

Obtaining the following grades will not guarantee you a place as we consider all aspects of every application, including the Personal Statement.
SQA Highers: AAAB
GCE A-Levels: AAB
International Baccalaureate Points: 36

For full Faculty Entrance Requirements, see page 53.
“A modern languages degree from St Andrews involves so much more than just language learning. I have broadened my interests by studying a wide variety of cultural modules ranging from East German Cinema to Shakespeare’s literary influence. I was also lucky enough to be given the opportunity to study abroad at the University of Vienna during my third year. Many of the language societies are well integrated into the School; with both staff and students getting involved in events, for example Oktoberfest.”

Rose (Holywood, County Down, Northern Ireland)

your own programme of modules and to follow particular interests in aspects of literature, linguistics and other forms of German culture.

The building of a high level of competence in language skills is a priority in all modules, and you will be expected to write using correct spelling, grammar and punctuation in both German and English.

Indicative programme information

First Year (2 x 20-credit modules required)
The Department offers two different types of module in first year: intensive foundation courses for beginners and students with National 5 / GCSE German, and advanced language and literature courses for those with higher entrance qualifications. The advanced course combines language and literature, developing speaking and listening, reading and writing skills.

Second Year (at least 40 credits overall required)
In second year there is a range of modules. Students coming from first year beginners’ modules have their own intensive language courses. Non-language elements are integrated at this level: ex-beginners and ex-advanced students jointly extend their studies of modern literature, mediaeval literature and linguistics.

Honours – Third and Fourth Years
(3 or 4 x 15-credit core modules required and at least 5 other 15-credit modules required over 2 years)
All students take the same core modules in German language, including advanced oral, writing and communication skills. You have scope to construct the rest of your module programme by choosing from a wide variety of modules on aspects of German literature, linguistics and culture from earlier periods to the present day, and on German history and thought. These modules reflect the individual research interests of staff members and allow you to work at the frontiers of the subject. Modules currently available, but subject to change (see Curriculum development page 7), include:

- The Nazi Past in German Cultural Memory
- Shakespeare: The German Catalyst
- Mediaeval Things
- Language and Ideology in the GDR and West Germany from 1949–1989
- Writing Nature: German Environmental Thought (1800–2000)

A dissertation module permits you to research and write about a topic which particularly interests you.

Study abroad
Most students take the opportunity to apply for a year working in a German-speaking country, between second year and Junior Honours (third) year. UK students may undertake teaching placements in schools abroad through the British Council’s Language Assistantship scheme. If teaching is not for you, you may apply for a work placement with the approval of the Department. The third option to apply for time abroad is in the third year of the degree course (Junior Honours) as an exchange student at a university in Germany or Austria. In 2016 - 2017 our exchange partners are Bonn, Lüneburg and Vienna.

For further information about eligibility, the application and selection process, and costs involved, please see:

www.st-andrews.ac.uk/studyabroad/outgoingstudents

Alternatively you may apply to study abroad under the University’s St Andrews Abroad programme. See page 46.

Typical class sizes and teaching information

First Year:
- Lectures 30 - 60, seminars 15 - 20

Second Year:
- Lectures 30 - 40, seminars 10 - 15

Honours:
- Seminars 10 - 18

Typical methods of assessment

Our modules at all levels are assessed by 40% coursework and 60% end-of-semester examination, with the exception of dissertations and project modules. End-of-semester examinations are either entirely in written format or comprise a written and an oral component.

Scholarships

The Department will assist you in applying for summer vacation scholarships and grants for longer periods of study in Germany offered by the Deutscher Akademischer Austauschdienst.

Careers

Graduates in German successfully compete for specialist linguist posts as well as those which are open to all graduates, regardless of degree subject, where high-level language skills can confer a significant advantage. Our graduates enter careers as translators, as German or TEFL teachers in Britain and abroad, in European business and administration, in banking and finance, export marketing, and the Civil Service. Others do postgraduate training, e.g. in law, or undertake academic research.

Some of our recent graduates have been placed in Ernst & Young, Intercontinental Hotels Group, Procter and Gamble, Aerosystems International, Lifeline Language Services, the Fiscal Office, and the NHS. For more information:


See also page 36 for details of the University’s Careers Centre.
Greek

See also Ancient History page 56, Classical Studies page 70, Classics page 72

Degree options in the Faculty of Arts

MA (Single Honours Degrees)
- Classics
- Greek

MA (Joint Honours Degrees)
- Greek and one of:
  - Ancient History
  - Art History
  - Biblical Studies
  - Classical Studies
  - Comparative Literature
  - English
  - French

- Hebrew
- Modern History
- Persian
- Philosophy
- Social Anthropology
- Spanish

Greek and two Modern Languages
Any combination of French, German, Italian, Spanish is available, see page 130.

Available With Integrated Year Abroad – see Modern Languages.

Entrance Requirements

Obtaining the following grades will not guarantee you a place as we consider all aspects of every application, including the Personal Statement.

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

We strongly recommend that all applicants have a qualification in a modern or ancient foreign language at National 5 / GCSE level, or equivalent.

For full Faculty Entrance Requirements, see page 53.

For degrees combining more than one subject, the subject with the higher Entrance Requirements determines the grades you need. You will also need to meet any further subject-specific Entrance Requirements as outlined on their pages.

For further country-specific qualifications and pre-degree foundation programmes see:
www.st-andrews.ac.uk/study/international

Do I need previous knowledge of this subject? – No.

Subject enquiries

E: classics@st-andrews.ac.uk

Features

- Extensive language support for ex-beginners from our full-time senior language tutor continues into second year and Honours.
- The study of literature and language is carefully integrated and balanced throughout the programme, and set within a framework of wider cultural understanding.
- An extensive range of major authors and literary genres is available.
- Teaching in small groups assures that you get close attention and individual help.
- The School of Classics was rated first in Scotland and second in the UK in the Research Excellence Framework 2014.

Facilities and resources

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

What will I study?

For all students, beginners and non-beginners, first and second year offer a carefully integrated package of complementary work on both literature and language, while the two years of Honours give you the opportunity to choose from a range of author/genre-based courses, together with linguistic options.

Highlights include: Homeric epic (the foundational works of European literature), lyric poetry, the emotionally powerful plays of Greek tragedy, Attic comedy (both Aristophanes and Menander), Greek historiography (especially Herodotus and Thucydides), Greek Philosophy (especially Plato’s Socratic dialogues), Greek rhetoric (speeches written for important political debates and for forensic trials), the pastoral poetry of Theocritus, and a series of still-undervalued Greek novels, dialogues and speeches written under the Roman Empire.

Between them, these texts display a remarkable range of both linguistic and imaginative fertility. They continue to fascinate modern writers, artists and readers. Studying ancient Greek provides an opportunity to get closer to the richness of this body of writing and to gain insights into the world from which it emerged.
Indicative programme information

First Year (2 x 20-credit modules required)
We offer two streams of study, in both of which students read a wide range of Greek texts. For beginners and those who have studied a little Greek, we offer specifically designed stand-alone modules covering Greek language and literature from scratch. For those who have studied Greek at a higher level, we offer more advanced study in language and literature in integrated modules working with literary texts (philosophy, comedy, pastoral poetry and the ancient novel) and linguistic/translation exercises.

Second Year (2 x 20-credit modules required)
In second year, ex-beginners and more advanced students are brought together. The modules extend and refine your knowledge of Greek literature and its background, covering both prose and poetry from the Archaic to the Imperial period, while continuing to incorporate progressive work on the Greek language. By the end of second year, the ex-beginners have sufficient background to enter the Honours programme along with those who started with more advanced knowledge. If you take 1000-level Greek in your second year, but have taken Latin in your first two years, you can take special modules in your third year and still complete an Honours degree in Greek.

Honours – Third and Fourth Years
You choose further modules for more advanced study of literature and language over the two Honours years. Whether you choose Single or Joint Honours, we have an extensive range of modules for you to choose from. We periodically change our Honours offerings to reflect exciting new research trends and findings but current modules available in 2015-2016 include:

- Greeks on Education
- Greeks and Barbarians
- Greek Literature in the Roman Empire
- Imagining the Symposium
- Thucydides – ‘Histories’
- Lies, History and Ideology
- Greek Tragedy
- Violence in Early Greek Poetry
- Greek Rhetoric and its Representation
- Greek Prose Composition

Honours modules in the School carry 30 credits, so you study two modules each semester in Honours. Single Honours students write a dissertation worth 30 credits in their fourth year.

Study abroad
You may apply to the University’s St Andrews Abroad programme. See page 46.

In the academic year 2016-2017, students in the School of Classics may apply to spend one or two semesters at the University of Leiden as part of our Erasmus+ exchange.

For options available during your intended period of study, see: www.st-andrews.ac.uk/studyabroad/outgoingstudents

For further information about eligibility, the application and selection process, and costs involved, please see: www.st-andrews.ac.uk/studyabroad

Typical class sizes and teaching information

First Year: lectures 20 - 30, tutorials 10 - 15
Second Year: 10 - 30 with smaller groups for the weekly language support class
Honours: seminars 10 - 20

Teaching in first and second year is conducted in small groups for both set-text work and language classes. A similar pattern is maintained, at a higher level of work, in the seminars and tutorials of Honours courses.

Typical methods of assessment
Assessment throughout the degree is generally 50% assessed coursework and 50% by examination, taken at the end of the semester. The final class of degree is based on marks awarded over the last two years.

All Single Honours students write a dissertation in their fourth year and this allows them to specialise in an area of their own key interest.

Final year students may obtain teaching experience and mentoring from teachers in local secondary schools.

Careers

Traditional Classical Greek courses have provided an entry to a wide range of careers and positions since employers have placed a premium on the combination of intellectual flexibility and rigour of Greek graduates.

Students graduating with Classical Greek degrees typically do well in the graduate employment market. Graduate destinations include: financial services, the law, marketing and management, civil and armed services, journalism, museums, galleries, and libraries, teaching and further research and study. For more information: http://bit.ly/sta-classics-careers

See also page 36 for details of the University’s Careers Centre.

“...and to study Greek for beginners and from this I have gained enough confidence to study it at Honours level alongside my Latin.”

Emily (Bristol, Avon, England)
History – Ancient, Mediaeval, Modern, Scottish and Middle East Studies

Degree options in the Faculty of Arts

MA (Single Honours Degree)
History

BA (International Honours Degree)
History (See page 45)

(See also Ancient History page 56
History – Mediaeval History page 106
History – Middle East Studies page 108
History – Modern History page 110
History – Scottish History page 112)

Entrance Requirements

Obtaining the following grades will not guarantee you a place as we consider all aspects of every application, including the Personal Statement.

SQA Highers: AAAB (normally including History)
GCE A-Levels: AAA (normally including History)
International Baccalaureate Points: 36 including HL6 in History

For degrees combining more than one subject, the subject with the higher Entrance Requirements determines the grades you need. You will also need to meet any further subject-specific Entrance Requirements as outlined on their pages.

For full Faculty Entrance Requirements, see page 53.

For further country-specific qualifications and pre-degree foundation programmes see:
www.st-andrews.ac.uk/study/international

Do I need previous knowledge of this subject? – No, but experience in studying history to advanced secondary school level is normally expected for applications to study History.

Subject enquiries

Dr Christine McGladdery
E: hist4u@st-andrews.ac.uk

Features

* The School of History is listed as the Best in Scotland in The Times and Sunday Times University Guide 2016, the Guardian University Guide 2016 and The Complete University Guide 2016.

What will I study?

The integrated Single Honours degree in History is a flexible programme combining elements from the range available in Middle East Studies as well as Ancient, Mediaeval, Modern and Scottish History. It allows you to access Honours modules in all historical eras without chronological or geographical constraint and to draw on the expertise of the widest possible range of teaching staff.

The study of history – the recovery and analysis of the full range of human activity over time – is as rewarding as it is challenging. Past cultures and civilisations are worth studying for their own sake, yet historical awareness enriches contemporary experience by linking the present with the past, thus explaining the origins of many of the world's current problems. They also help us to recognise that our own cultural and social values are not the only (or even most natural or just) ones that people have lived with.

As globalisation makes the world a smaller and more homogenous place, history remains one of the few real fields for exploration and anthropological research – and through the study of history you can encounter new tribes and lost kingdoms. Discovering these alien cultures will help you to understand your own prejudices.

The study of history, therefore, involves acquiring the intellectual know-how to evaluate varied kinds of evidence and the skills necessary to interpret it and communicate its significance to others.

In 2016 - 2017 the School of History at St Andrews has over 50 historians on its staff and the wealth of expertise available means that students with wide-ranging interests can study periods and topics ranging from democracy in ancient Greece to gender in twentieth-century America.

In the Research Excellence Framework 2014 History were ranked top in Scotland and twelfth in the UK.

In addition to this degree, the School of History also offers more specialised degrees in Mediaeval, Modern and Scottish History and Middle East Studies which are described on the following pages.
“Studying History at St Andrews has been fantastic. The range of modules on offer in first and second year gives you the best chance of finding out what you’re really interested in and would like to pursue further. I also really appreciate the freedom afforded to students at Honours level to focus on their interests, and the consistently impressive teaching.”

Alan (Edinburgh, Scotland)

Indicative programme information

First and Second Year (3 x 1000-level and 3 x 2000-level modules required)

During the first two years of the Single Honours History degree, you normally take eight History modules from the 1000- and 2000-level modules offered in Ancient, Mediaeval, Modern and Scottish History and four non-History modules. Entry to the Honours programme requires you to take at least two modules in two out of three historical periods: the period before 500 CE, the period 500-1500 CE, and the period after 1500.

Honours – Third and Fourth Years

At Honours, again subject to the constraint that you must take options in at least two of the three designated historical periods, you may choose modules from the full range of Honours courses in Ancient, Mediaeval, Modern, Scottish and Middle East History. In your final year you will also write a research-based dissertation and take a Special Subject (which is a year-long module) designed to make full use of original source materials. Within these general rules, there is scope to tailor a broadly-based degree, drawing on the wealth of expertise available at St Andrews, that permits you to range widely over historical time and space.

Study abroad

The School of History encourages you to take part in established exchange programmes which allow you to study abroad for a semester or a year in third year. You may apply to participate in History’s exchange programmes. In 2016 - 2017 these include Rutgers, the State University of New Jersey, as well as Erasmus+ exchanges with the universities of Oslo, Leiden, Strasbourg and Bonn, and Trinity College Dublin. You may also apply to the University’s St Andrews Abroad programme, see page 46. For options available during your intended period of study, see: www.st-andrews.ac.uk/studyabroad/outgoingstudents

For further information about eligibility, the application and selection process, and costs involved, please see: www.st-andrews.ac.uk/studyabroad

Typical class sizes and teaching information

First Year: lectures 100 - 250, tutorials 5 - 7
Second Year: between 100 - 230, and tutorials 5 - 7
Honours: classes 10 - 15 at 3000 level, 5 - 7 at 4000 level

See the entries for degree programmes in Ancient History page 56, Mediaeval History page 106, Modern History page 110, Scottish History page 112, and for Middle East Studies page 108.

Typical methods of assessment

All 1000- and 2000-level modules in the School of History are assessed by an equal weighting of coursework and examination. At Honours level, the weighting shifts and varies from 40% coursework, 60% examination, to 100% coursework only. Some examinations are unseen, others are seen in advance but are more challenging.

Careers

The analytical and communication skills acquired and mastered through the study of History are highly prized by a wide range of employers and recent History graduates have found employment in the service industries, law, the British Army, the financial sector (Barclays Bank, Deloitte & Touche) arts and the media (Sky TV, Pavilion Films), teaching – primary and secondary as well as teaching English abroad (Japan and Africa), children’s charities and academia.


See also page 36 for details of the University’s Careers Centre.

“The range of modules on offer is very, very impressive. In my own particular area of expertise, Scottish history, it is arguably the best provision anywhere; and there is a rich and varied diet in other aspects of mediaeval history too, which few other institutions can match.”

David Ditchburn (External examiner, from Trinity College, Dublin)
History – Mediaeval History

Degree options in the Faculty of Arts

**MA (Single Honours Degrees)**
History
Mediaeval History
Mediaeval History & Archaeology
Mediaeval Studies

**MA (Joint Honours Degrees)**
Mediaeval History and one of:
- Ancient History
- Ancient History & Archaeology
- Arabic
- Art History
- Biblical Studies
- Classical Studies
- Comparative Literature
- Economics
- English

**Philosophy**
 Psychology
 Russian
 Social
 Anthropology
 Spanish
 Theological Studies

- Available With Integrated Year Abroad – see Modern Languages page 139.
- Timetable clash exists, this combination does not follow the standard pathway. Contact the School of History for more information.

**MA “With” Degree**
Honours in which two-thirds of the course deals with the first-named subject:
Mediaeval History with Persian

**Entrance Requirements**

Obtaining the following grades will not guarantee you a place as we consider all aspects of every application, including the Personal Statement.

**SQA Highers:** AAAB (normally including History)
**GCE A-Levels:** AAA (normally including History)
**International Baccalaureate Points:** 36 including HL6 in History

For full Faculty Entrance Requirements, see page 53.

For degrees combining more than one subject, the subject with the higher Entrance Requirements determines the grades you need. You will also need to meet any further subject-specific Entrance Requirements as outlined on their pages.

For further country-specific qualifications and pre-degree foundation programmes see: [www.st-andrews.ac.uk/study/international](http://www.st-andrews.ac.uk/study/international)

*Do I need previous knowledge of this subject?* – No, but experience in studying history to advanced secondary school level is normally expected for applications to study History.

**Subject enquiries**

Dr Christine McGladdery
E: hist4u@st-andrews.ac.uk

**Features**

* A wider variety of subjects within Mediaeval History than is offered in any other university.
* Teaching by internationally-renowned staff who carry out important research in their specialist areas.
* A friendly community where there is a high degree of commitment by staff and students.
* Access to a wide variety of different literary and material sources through which the mediaeval past can be constructed and reimagined.
* A specially designed degree in Mediaeval History & Archaeology.
* An opportunity to spend one or two semesters of your Honours programme abroad – see Study abroad opposite.

**Interdisciplinary degrees**
For the Mediaeval History & Archaeology degree you take the core module Principles and Techniques in Archaeology in your third year and then a selection from a list of approved modules in archaeology and in the history of the period of your choice. Candidates for this degree often attend the Summer School at the British School of Rome, to which St Andrews has the right to nominate at least one person each year. One popular option within this degree is the chance to write a dissertation on some subject of archaeological and historical interest.

Mediaeval History is also a major contributor to the interdisciplinary Mediaeval Studies degree which allows you to combine modules focusing on mediaeval society and culture taught in a number of different academic Schools, including English, Modern Languages and Art History.

**What will I study?**

Studying Mediaeval History at St Andrews gives you a chance to engage with surprisingly sophisticated modes of thought and expression across mediaeval Europe and the Middle East and grapple with complex historical issues. This will help you obtain a clearer understanding of the background to the present day. Whether you are, or become, interested in early Islamic Iran or Britons and Saxons, mediaeval political thought or queenship, the teachers of Mediaeval History at St Andrews are committed to opening students’ minds to its many riches.

We provide an excellent training in the collecting and evaluating of a wide variety of information and in constructing powerful arguments, both verbal and written. These skills, as well as the intellectual range demonstrated by the breadth of subject areas you can cover in your degree, offer a strong platform for embarking on the world of analytical work after you graduate.

If you enjoy the study of the past, but want to try something different from the history you have studied at school, you will find Mediaeval History a stimulating and refreshing change.
“I never intended to become a historian, but I enjoyed my first and second year modules so much that I have chosen to continue with it as my degree. The tutors are incredibly passionate about their subjects; you cannot help but catch their enthusiasm. Also, the modules are wide ranging, from Europe to the Middle East, so there is never a dull moment!”

Samantha (Darlington, County Durham, England)

If you are a linguist with an interest in the development of language, then Mediaeval History would provide a useful and informative background subject as a first- or second-year module and might interest you enough to form part of a Joint Honours degree.

Indicative programme information

First Year (2 x 20-credit modules required)
1000-level modules provide an introduction to the mediaeval world, one exploring politics and society in the early mediaeval period (c. 500 - c. 1100) across Britain, continental Europe and the Near East, and a second examining developments in the British Isles between 1100 and 1500.

Second Year (2 x 20-credit modules required)
2000-level modules provide an analytical survey of the history of Mediaeval Europe and an introduction to the Middle East as well as a grounding in the major themes and developments 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 course.

Honours – Third and Fourth Years

For Single Honours in third year, you take four semester-long option modules which offer a wide range of specialist studies within the history of Britain and the wider mediaeval world. Each year we normally offer about 18 different modules across both semesters, of which the following are a sample of modules presently (2015-2016) being taught:

- Britons and Saxons
- Women and Gender in the Later Middle Ages
- The Reconfiguration of the Middle East in the Seventh Century
- The Rise and Fall of the Carolingian Empire c.750 - 900
- Mediaeval St Andrews

In fourth year you take one more Honours option, a dissertation on a subject of your choice and a special subject, which is a year-long Special Subject module. The dissertation offers the opportunity for in-depth study and extended writing. The Special Subject is the culmination of an undergraduate’s historical studies and involves an exploration of a wide variety of sources on a specific topic.

A range of the choices currently offered (2015-2016) includes the following:

- England and France at War in the Fourteenth Century
- The Early Mendicants: Francis Clare and Dominic (c.1180 - c.1270)
- Henry I: Perception and Practice of Anglo-Norman Kingship
- Conquest and Community: the British Isles in the Age of Edward I (1239 - 1307)
- Crusaders, Mongols and Mamluks: West and East in the Mid-Thirteenth Century

Mediaeval History also combines very well with a whole range of other subjects in Joint Honours degrees. You could, for example, combine it with Art History and specialise in both the history and art history of a particular period. You might choose to study the historical background to a period of philosophy you find fascinating. Looking at the roots of modern society might help put contemporary psychology into context. The flexibility of the Joint Honours degree means that you choose fewer modules in each subject, but are able to sample a wider range of subjects.

Study abroad

The School of History encourages you to take part in established exchange programmes which allow you to study abroad for a semester or a year in third year. You may apply to participate in History’s exchange programmes. In 2016 - 2017 these include Rutgers, the State University of New Jersey, as well as Erasmus+ exchanges with the universities of Oslo and Bonn, and Trinity College Dublin. Mediaeval History and Mediaeval History & Archaeology students have found the exchange with the University of Oslo at the Centre for Viking and Medieval Studies particularly beneficial. You may also apply to the University’s St Andrews Abroad programme, see page 46. For options available during your intended period of study, see: www.st-andrews.ac.uk/studyabroad/outgoingstudents

For further information about eligibility, the application and selection process, and costs involved, please see: www.st-andrews.ac.uk/studyabroad

Typical class sizes and teaching information

First Year: lectures 120 - 200, tutorials 5 - 7
Second Year: lectures 100 - 120, tutorials 5 - 7
Honours: classes 10 - 15 at 3000 level, 5 - 7 at 4000 level

The first and second year classes meet for three lectures per week. Each student is assigned a tutor who will see them in a group of six for a one-hour tutorial per week. Including the taught element, students are expected to do approximately 15 hours work per week (for sub-honours modules). Dissertations are supervised individually. Including the taught element, students are expected to do approximately 25 hours work per week for each Honours module.

Typical methods of assessment

All 1000- and 2000-level modules in the School of History are assessed by an equal weighting of coursework and examination. At Honours level, the weighting shifts and varies from 40% coursework, 60% examination, to 100% coursework only. Some modules have different examination arrangements.

Careers

Recent graduates have gone on to work in a great range of professions: Inspector of Taxes for HMRC, Marketing Assistant at the Barbican Centre, Customer Service Officer for NatWest Bank, Development Officer for the Royal Zoological Society of Scotland. For more information: http://bit.ly/sta-history-careers

See also page 36 for details of the University’s Careers Centre.
History – Middle East Studies

See also Arabic page 58

Degree options in the Faculty of Arts

MA (Joint Honours Degrees)
Middle East Studies and one of:

- Arabic
- Art History (European & North American Art)
- Classical Studies
- Economics
- English
- Geography
- German
- Hebrew
- International Relations

* Available With Integrated Year Abroad – see Modern Languages page 130.
* Timetable clash exists, this combination does not follow the standard pathway. Contact the School of History for more information.

Features

- No need to have prior knowledge of Middle Eastern History or languages to engage with and enjoy the subject.
- Available as a Joint Degree in combination with one of many disciplines.
- The modules offer a wide range of Middle Eastern topics, defined both chronologically and culturally, in which St Andrews excels.
- You are able to specialise in the mediaeval or modern periods, as well as having access to specific International Relations Honours modules.
- The modules offer depth of knowledge and understanding of a region of outstanding importance in world affairs.
- The opportunity to study the history of the Middle East at an undergraduate level is a distinctive aspect of the undergraduate programme at this university.

Entrance Requirements

Obtaining the following grades will not guarantee you a place as we consider all aspects of every application, including the Personal Statement.

- SQA Highers: AAAB (normally including History)
- GCE A-Levels: AAA (normally including History)
- International Baccalaureate Points: 36 including HL6 in History

For full Faculty Entrance Requirements, see page 53.

For degrees combining more than one subject, the subject with the higher Entrance Requirements determines the grades you need. You will also need to meet any further subject-specific Entrance Requirements as outlined on their pages.

For further country-specific qualifications and pre-degree foundation programmes see: www.st-andrews.ac.uk/study/international

Do I need previous knowledge of this subject? – No.

Subject enquiries

Dr Christine McGladdery
E: hist4u@st-andrews.ac.uk

Return to Subjects
“I knew I wanted to study the languages and history of the Near East when I entered university, and the programme at St Andrews soared beyond my expectations. The flexibility of my degree allowed me to focus on the areas I really loved, especially during my third year abroad at the American University of Cairo.”

Maria (Glencoe, Illinois, USA)

What will I study?

When you graduate in Middle East Studies you will have received degree-level training in the history of the Middle East extending across as much as fifteen hundred years. The School of History possesses a unique concentration of specialists on the history of the Middle East, from modern Iran and Algeria back to the Ottoman and Safavid Empires; and of the Mongols and Seljuks back through Byzantium to early mediaeval Armenia and Sasanian Iran. This combination lends a very interesting complexion to the range of Honours modules available.

You progress to Honours in Middle East Studies from sub-honours (1000- and 2000-level) modules in Mediaeval History and Modern History and a compulsory 2000-level module in Middle Eastern History. For entry to International Relations Honours modules, which are part of the Middle East Studies degree, you must have taken and passed the four sub-honours International Relations modules (see International Relations on page 114).

Indicative programme information

In order to qualify for a Joint Honours degree in Middle East Studies, you will normally take one 1000-level History module (either Mediaeval or Modern) and two 2000-level History modules (one of which will be the compulsory Middle Eastern History module).

Honours – Third and Fourth Years

Topics from which you can currently choose (2015-2016) at Honours include:

- The East Roman Empire in the Reign of Justinian 527 - 565
- Cataclysm and Consolidation: The Reconfiguration of the Middle East in the Seventh Century
- The Formation of Islamic Iran: from the Arab Conquests to the Seljuk Empire, 600 - 1200
- Eastern Approaches: Early Mediaeval Armenia c.500 - 750
- From Leo VI to Basil II: Byzantium in the Tenth Century
- Missionaries, Assassins and State-builders: Militant Shi’ism in the Medieval Muslim World
- The Mamluks and the Mamluk Sultanate (1250-1382)
- Crusaders, Mongols and Mamluks: West and East in the mid-Thirteenth century
- The Mongols and the West
- The Crusades
- The Eastern Roman World in the Late Middle Ages
- From Byzantium to the Ottoman Empire
- The Imperial City: Byzantine and Ottoman Constantinople
- The Classical Ottoman Empire
- Nomadic Heritage and Persianate Culture: the Iranian World from the Timurids to the Safavids (1370-1722)
- French Algeria (1830 - 1962)
- Modern Iran since 1834: Reform and Revolution
- Britain and Iran in the Modern Era

Study abroad

The School of History encourages you to take part in established exchange programmes which allow you to study abroad for a semester or a year in third year. As a Middle East Studies student, you may apply to participate in History’s exchange programmes. In 2016 - 2017 these include Rutgers, the State University of New Jersey, and the Erasmus+ exchange with Trinity College Dublin. You may also apply to the University’s St Andrews Abroad programme, see page 46. For options available during your intended period of study, check our webpages.

Typical class sizes and teaching information

First Year: lectures 120 - 200, tutorials 5 - 7
Second Year: lectures 100 - 120, tutorials 5 - 7
Honours: classes 10 - 15 at 3000 level, 5 - 7 at 4000 level

Tutors advise you closely on the preparation of written work and give individual assessments of your performance. Including the taught element, you are expected to work for approximately 15 hours per week for each sub-honours module. In most Honours seminars students may present prepared papers and discussion of specific themes or issues is encouraged. This may involve exploring different theoretical or methodological approaches. In addition to single semester Honours modules, in fourth-year several year-long modules in Middle East Studies are available, allowing for in-depth study through primary sources (in translation when necessary). Finally it is possible to undertake an Honours dissertation with a Middle Eastern focus. Including the taught element, students are expected to work for approximately 25 hours per week for each Honours module.

Typical methods of assessment

Assessed work will always comprise essays but may include oral presentations or class tests as well. All 1000- and 2000-level modules in the School of History are assessed by an equal weighting of coursework and examination. At Honours level, the weighting shifts and varies from 40% coursework, 60% examination, to 100% coursework only.

Careers

Graduates in Middle East Studies go on to a wide range of careers for which an arts degree is a recognised qualification. For those who wish to make particular use of their Middle Eastern expertise there are opportunities for work in the Middle East with international agencies and welfare, educational or missionary organisations. In the UK there are careers in the diplomatic service or other specialist government agencies, in Middle East related journalism, lobbying, commerce, financial services and business consultancy. Our graduates compete successfully for the opportunities to continue their studies at higher degree level. For more information: http://bit.ly/sta-history-careers

See also page 36 for details of the University’s Careers Centre.
**History – Modern History**

**Degree options in the Faculty of Arts**

**MA (Single Honours Degrees)**
- History
- Modern History

**MA (Joint Honours Degrees)**
- Modern History and one of:
  - Arabic
  - Art History
  - Classical Studies
  - Classics
  - Comparative Literature
  - Economics
  - English
  - Film Studies
  - French
  - Geography
  - German
  - Greek
  - International Relations

**MA “With” Degree**
- Honours in which two-thirds of the course deals with the first-named subject:
  - Modern History with Persian

**Entrance Requirements**

Obtaining the following grades will not guarantee you a place as we consider all aspects of every application, including the Personal Statement.

- **SQA Highers:** AAAB (normally including History)
- **GCE A-Levels:** AAA (normally including History)
- **International Baccalaureate Points:** 36 including HL6 in History

For full Faculty Entrance Requirements, see page 53.

For degrees combining more than one subject, a joint degree requires the grades you need. You will also need to meet any further subject-specific Entrance Requirements as outlined on their pages.

For further country-specific qualifications and pre-degree foundation programmes see:
www.st-andrews.ac.uk/study/international

**Do I require previous knowledge of this subject?** – No, but experience in studying history to advanced secondary school level is normally expected for applications to study History.

**Features**

* Small group teaching and individual attention from historians actively engaged in research and publication.
* A friendly and collegial community which makes it easy to get to know other students and staff.
* Choose from a wide variety of optional modules in your third and fourth years: about 50 options are available each year.
* Great flexibility: you can range as widely as you like, from the fifteenth to the twenty-first century, studying British, European, Middle Eastern, South Asian, East Asian, West African or American history.
* A variety of different approaches can be pursued: political, military, cultural, religious, intellectual, scientific, gender, social and economic history are all on offer.

**What will I study?**

History at university level is not concerned exclusively with what happened in the past but rather with the analysis of events from a present day context. Facts per se are elusive and open to dispute. Historians instead collect and analyse evidence. Because new evidence is unearthed and the interpretation of it is determined by one’s perspective, ‘history’ is constantly changing. Thus, the study of history reveals as much about the present as it does about the past.

Modern historians in the School of History at St Andrews participate in a range of teaching for undergraduate students covering the period from the Renaissance (the mid-fifteenth century) to the present day. A wide selection of modules is offered at four levels. The 1000- and 2000-level modules are designed not only to serve as an introduction to the various areas of Modern History offered in the subsequent Honours programme but also to cater for the needs of students who do not intend to proceed with Modern History beyond the first or second year. At Honours, the third and fourth years, the emphasis is on providing you with the widest possible choice for specialisation in terms of subject matter and geographical area.

**Indicative programme information**

First Year (2 x 20-credit modules required)
1000-level modules are devoted to the study of the early modern western world from c.1450 to the late eighteenth century, and the wider world from then until the present day.

Their main themes are the Reformation, the development of modern states, war and the growth and contraction of empire, but also intellectual, social and economic change. The critical examination of relevant primary sources and study skills are built into the coursework.
Second Year (2 x 20-credit modules required)
2000-level modules provide an analytical survey of the history of Scotland, Britain and the British Empire as well as a grounding in the major themes and developments 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 coursework.

Honours – Third and Fourth Years
In third year, you will usually select four from 3000-level Honours modules. The exact modules in any given year will vary, depending on staff availability, but each year a range of approximately 50 to 60 Honours optional modules, which offer specialised studies within the general area of British, American, European, East Asian, South Asian and Middle Eastern history. These may be period options: (e.g. Kaiser Wilhelm II, or Heavenly Decade: The 1960s), or they may be thematic options (e.g. Disease and Environment, 1500-2000, or Art and Piety in Western Europe, 1400-1750).

In fourth year, you will take one more Honours option (a one-semester module), a dissertation or project, and a Special Subject (a two-semester, final year module). The dissertation or project offers the opportunity for intensive research on a topic of your choice. The Special Subject is the culmination of undergraduate historical studies and involves an in-depth exploration of documentary sources on a specific topic. A wide range of choices is offered, from Blood, Courts and Glory: The Catholic Reformation to Britain and Iran in the Modern Era.

Study abroad
The School of History encourages you to take part in established exchange programmes which allow you to study abroad for a semester or a year in third year. You may apply to participate in History’s exchange programmes. In 2016 - 2017 these include Rutgers, the State University of New Jersey, as well as Erasmus+ exchanges with the universities of Leiden, Strasbourg and Bonn, and Trinity College Dublin. For options available during your intended period of study, see: www.st-andrews.ac.uk/studyabroad/outgoingstudents

For further information about eligibility, the application and selection process, and costs involved, please see: www.st-andrews.ac.uk/studyabroad

You may apply to study abroad under the University’s St Andrews Abroad programme. See page 46.

Typical class sizes and teaching information
First Year: lectures 100 - 300, tutorials 5 - 7
Second Year: lectures 100 - 280, tutorials 5 - 7
Honours: classes 10 - 14 at 3000 level, 5 - 7 at 4000 level

Honours dissertations are supervised individually or projects are supervised in groups of no more than seven students.

Typical methods of assessment
All 1000- and 2000-level modules in the School of History are assessed by an equal weighting of coursework and examination. At Honours level, the weighting shifts and varies from 40% coursework, 60% examination, to 100% coursework only. Some examinations are unseen, others are seen in advance but are more challenging.

Careers
The study of Modern History produces men and women with well-trained, critical minds and good oral and written communication skills. This makes our graduates attractive to a wide range of employers who understand that the St Andrews Modern History graduate is a person of unique ability.

In the last couple of years our graduates have gone to the Justice Department of the Scottish Executive, Telegraph Publishing Ltd., Radio Lynx, the International Council for Educational Exchange in New York, Goldman Sachs, Scottish & Newcastle Brewery, the Abernethy Trust School of Adventure Leadership, the RAF, Zenith Media, a Magistrates Court (as employee not participant!) to name but a few. Many of our graduates also go on to do further research in Modern History. For more information: http://bit.ly/sta-history-careers

See also page 36 for details of the University’s Careers Centre.

“The Modern History degree programme at St Andrews is truly brilliant. Broad and thematic overviews in the first two years provide a solid foundation for fascinating and diverse pathways of study at Honours level.”

Taylor (Shoreham-by-Sea, West Sussex, England)
History – Scottish History

Degree options in the Faculty of Arts

**MA (Single Honours Degrees)**
History
Scottish History

**MA (Joint Honours Degrees)**
Scottish History and one of:
- Classical Studies
- English
- Film Studies
- Geography
- International Relations
- Italian
- Mathematics
- Philosophy
- Russian
- Social Anthropology
- Spanish

Available With Integrated Year Abroad – see Modern Languages page 130.
Timetable clash exists, alternative hours are arranged for the language.
Contact the School of Modern Languages for more information.
Timetable clash exists, this combination does not follow the standard pathway.
Contact the School of History for more information.

**Entrance Requirements**

Obtaining the following grades will not guarantee you a place as we consider all aspects of every application, including the Personal Statement.

- **SQA Highers:** AAAB (normally including History)
- **GCE A-Levels:** AAA (normally including History)
- **International Baccalaureate Points:** 36 including HL6 in History

For full Faculty Entrance Requirements, see page 53.
For degrees combining more than one subject, the subject with the higher Entrance Requirements determines the grades you need. You will also need to meet any further subject-specific Entrance Requirements as outlined on their pages.
For further country-specific qualifications and pre-degree foundation programmes see:
[www.st-andrews.ac.uk/study/international](http://www.st-andrews.ac.uk/study/international)

**Do I need previous knowledge of this subject?** – No, but experience in studying history to advanced secondary school level is normally expected for applications to study History.

**Subject enquiries**

Dr Christine McGladdery
E: hist4u@st-andrews.ac.uk

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**Features**

- We are a small and friendly group of Scottish historians who publish extensively and continue to make a major contribution to the development of Scottish History, providing you with an intellectually rigorous environment for study.
- Teaching in Scottish History at St Andrews encompasses a wide chronological coverage of periods from the Dark Ages to Modern Scotland.
- Thematic approaches include the exploration of issues such as invasions, rivalries, lordship, tyranny, Enlightenment, social problems and culture, past and present.

**What will I study?**

St Andrews has a unique place in Scottish History. Not only is it home to Scotland’s oldest university, founded in 1413, but it has been a seat of learning and burial place of kings since the eighth century. From the tenth to the seventeenth century it was also the ecclesiastical capital of the country. Where better to study Scottish History?

Having decided to study in Scotland, getting a grounding in the history of the country will add breadth and depth to your university experience, whatever degree you decide to pursue. Studying Scottish History, even if only for a year or two, will give you a fascinating background and context for your studies here.

Scottish historians within the School of History run a full degree programme that provides chronological coverage from antiquity to the present day. The issues of nation building, loss of sovereignty, the tensions between core and periphery, and the reclamation of nationhood, are aspects of Scotland’s historical development which form the core issues of relevant sub-honours teaching.

The modules assume no prior knowledge of Scottish History and form an ideal introduction to an understanding of Scotland’s unique historical development and place in the wider world. More specialist modules are available in third and fourth years to suitably qualified students. They deal with a wide range of periods and issues including the early relations of the Picts and Scots, the Viking attacks and settlement, the Wars of Independence, late mediaeval kingship, the union of the Anglo-Scottish crowns and parliaments, Scottish soldiers and merchants abroad, the eighteenth-century Enlightenment and the various socio-economic problems of modern Scotland.
The sub-honours modules form a clear path of historical progression. The two modules are designed to foster the development of critical skills and place a growing emphasis on the interrogation of primary sources and the use of primary sources in essays and tutorial exercises. In third and fourth years modules are more clearly defined by the use of primary sources both in seminars and in essay work. The requirement to write a dissertation in fourth year (in your final year) creates the opportunity for independent research and study.

Indicative programme information

First and Second Years (2 x 20-credit core modules required, + 2 further 20-credit History modules)
Scottish History offers two sub-honours modules, Scotland and the English Empire 1070 - 1500, and Scotland, Britain and Empire, 1500 - 2000. The first of these modules examines the development of Scotland as an independent kingdom and nation during the Middle Ages. The second considers the regnal and then the parliamentary unions with England, showing how Scotland preserved its national identity while becoming part of Great Britain. Both modules deal with a variety of themes – economic, social and political – that have fundamentally shaped modern Scottish society. Taken together they provide a valuable insight into ongoing tensions within the Union and the nature of modern Scottish identity.

Honours – Third and Fourth Years
There are a variety of modules covering a wide chronological spread, which may change according to staff availability. The following are a representative sample of 3000-level modules:

- Mediaeval St Andrews
- Constructing Identities: Scottish Historians and the Past
- British Culture in the Eighteenth Century
- Kingship and Tyranny: Scotland in the Age of Reform 1513 - 1603
- Culture and Society in Renaissance Scotland
- The Castle in Mediaeval Scotland (1100 - 1500)
- Age of Conquest: Edward I - Scotland and Wales (1239 - 1307)
- End of the Middle Ages? Scotland and England in the Fifteenth Century

Fourth year (4000-level) year-long modules may include:

- Work and Politics in Modern Scotland
- The Wars of the Bruces: Kings, Nobles and Communities in the British Isles (1306-1346)
- The Scottish Enlightenment
- The Marian Moment: Politics and Ideology in Mary Stewart's Britain
- Chivalry and Kingship: Scotland In the Later Middle Ages

Study abroad
For information on study abroad programmes, see page 46.

Typical class sizes and teaching information

First Year: lectures 120 - 200, tutorials 5 - 7
Second Year: lectures 100 - 120, tutorials 5 - 7
Honours: classes 10 - 15 at 3000 level, 5 - 7 at 4000 level

First and second year modules are taught via three weekly lectures and a weekly tutorial meeting. For this, students are expected to prepare for presentation and discussion with a member of staff in groups of six. Including the taught element, students are expected to do approximately 15 hours work per week for sub-honours modules. In Honours, teaching is conducted in weekly two-hour seminars. These involve students in analysis and debate based on detailed preparation carried out prior to each meeting. Including the taught element, students are expected to do approximately 25 hours work per week for each Honours module. Some of the 3000-level modules will involve fieldtrips.

Typical methods of assessment
All 1000- and 2000-level modules in the School of History are assessed by an equal weighting of coursework and examination. At Honours level, the weighting normally shifts and varies from 40% coursework, 60% examination, to 100% coursework only.

Careers
Recent Scottish History graduates have found employment in financial services, social work and education. One has gone on to be a Monument Steward for Historic Scotland, another to become a management trainee in the insurance sector, and another to pursue further training in journalism. Some have chosen to continue with vocational training in areas such as museum and galleries studies and librarianship, while others have pursued doctoral research in History. The establishment of a parliament for Scotland has enhanced employment prospects among graduates with a degree in Scottish History. For more information: http://bit.ly/sta-history-careers

See also page 36 for details of the University's Careers Centre.
International Relations

Degree options in the Faculty of Arts

MA (Single Honours Degree)
International Relations

BA (International Honours Degree)
International Relations (See page 45)

MA (Joint Honours Degrees)
International Relations and one of:

- Ancient History
- Arabic
- Art History
- Biblical Studies
- Classical Studies
- Comparative Literature
- Economics
- Film Studies
- French
- Geography
- German
- Italian
- Management
- Mathematics
- Mediaeval History
- Middle East
- Modern History
- Persian
- Philosophy
- Psychology
- Russian
- Social
- Scottish History
- Anthropology
- Spanish

International Relations and two Modern Languages
Any combination of Arabic, French, German, Italian, Persian, Russian, Spanish is available, see page 130.

MA “With” Degree
Honours in which two-thirds of the course deals with the first-named subject:

International Relations with Persian

Entrance Requirements

Obtaining the following grades will not guarantee you a place as we consider all aspects of every application, including the Personal Statement.

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

Please note:
- Each year the University receives many more applications for a degree in International Relations than there are places. If you wish to study International Relations here, ensure that you indicate this on the UCAS form.
- Access to 1000-level modules in International Relations is restricted. Only first year undergraduate students from the Faculties of Arts and Divinity meeting the Faculty Entrance Requirements as outlined on page 53 or meeting the Entrance Requirements as outlined above are allowed to take them. Check the International Relations webpages for more details on overseas Entrance Requirements. More information is available at Advising.

Features

- Our School is the only one of its kind in Scotland and one of the few universities in the UK that offers a Single Honours degree specifically in International Relations.
- Our School has an established international reputation for its high quality teaching and research.
- We specialise in international security, peace and conflict studies, terrorism studies, international institutions, international theory and regional studies.
- We provide extra-curricular opportunities including internships in School research centres and outreach programmes in the local community.
- Prizes are awarded to outstanding graduating students as well as for the best essay written in each year of undergraduate study.
- Our School attracts students from many countries and backgrounds.

Facilities and resources
The School is located in the historic heart of the town in a building opened in 2006.

The School is of a size that allows us to teach the common core of our discipline whilst offering substantial choice and specialisation in the Honours programme. We are a large and diverse School, but we strive to offer you the small size of tutorial group and attention of staff which are so much part of the St Andrews tradition.

Our School has an enviable reputation for the quality and variety of students enrolling in its courses.

Do I need previous knowledge of the subject? – No

Subject enquiries

Professor Ian Taylor
E: intrel@st-andrews.ac.uk

School of International Relations
“International Relations fascinates me and this is the case for the majority of the student body. Learning in such a diverse environment is invaluable. Our variety of opinions and cultural perspectives makes studying IR very fulfilling. Also, being taught and interacting with intellectuals who impact their field of study is fascinating and motivating. The diversity of modules taught by those experts continuously fuels our passion.”

Maxime (Saint-genis Laval, France)

What will I study?

The study of International Relations is theoretically challenging whilst having a very practical purpose. How should we understand the world and how should we act in it? Some of the issues explored when pursuing a degree in International Relations are raised in Higher, A-Level and other courses particularly in Modern Studies, Politics, History and Geography.

We require students to have high academic qualifications, a firm interest in International Relations, broad intellectual interests in related areas (such as history, politics, moral philosophy and modern languages), and an enthusiasm for critical engagement with ideas old and new.

Indicative programme information

First Year (2 x 20-credit modules required)

Introduction to International Relations covers the basic theoretical approaches and concepts including realism, liberalism, sovereignty, statehood, power, nationalism and globalisation. These theories and concepts are related to international conflict, attempts to create a more peaceful international order, and the problems of a globalising world.

Foreign Policy Analysis and International Security looks at foreign policy making and the importance of security to this process. Factors that shape individual states’ conduct of foreign policy are explored including the role of public opinion, the media, culture, economics, domestic political arrangements, constitutional structures, international law and diplomacy. Case studies can include the US, China, UK, EU as well as countries in the developing world.

Second Year (2 x 20-credit modules required)

Theoretical Approaches to International Relations covers theoretical approaches in International Relations, such as constructivism and the English School, radical Marxist and neo-Marxist perspectives as well as feminism, postmodernism and postcolonialism. The objective of the module is to critique and compare the assumptions and values that underlie each theory encouraging an enhanced critical understanding of International Relations.

Issues in International Relations explores how theoretical approaches to International Relations relate to issues that confront those engaged in global politics. Issues covered include terrorism and asymmetric warfare, weapons of mass destruction, ‘new wars’, humanitarian intervention, human rights, religion, aid and development, environmental politics and regionalism.

Honours – Third and Fourth Years

Upon gaining entry to Honours you can choose from a range of modules. If you are taking Joint Honours, you will choose four 30-credit modules and if you are taking Single Honours, you will choose six 30-credit modules and a year-long dissertation.

Modules offered at Honours include those relating to the following subjects:

- Conflict and Conflict Resolution
- Human Rights
- International Security
- Globalisation
- International Political Theory
- International Law
- International Organisations
- Gender
- Terrorism
- Foreign Policy
- Comparative Politics including Africa, Middle East, China, Central and East Asia

Study abroad

We offer a variety of semester or full-year programmes for Honours students. You may apply to participate in the School’s exchange programmes. In 2016 - 2017 these include the University of Hong Kong and Renmin University of China, as well as Erasmus+ exchanges with the universities of Hamburg, Tübingen, Iceland and Sciences Po in Paris. For options available during your intended period of study, see: www.st-andrews.ac.uk/studyabroad/outgoingstudents

For further information about eligibility, the application and selection process, and costs involved, please see: www.st-andrews.ac.uk/studyabroad

You may also apply to the University’s St Andrews Abroad programme. See page 46.

Typical class sizes and teaching information

First Year: lectures ~ 365, tutorials 10 - 15
Second Year: lectures ~ 280, tutorials 10 - 12
Honours: lectures 15 - 25, tutorials 6 - 12

Research-led teaching brings cutting-edge research directly to the classroom. You will have three lectures per week in first year which decreases to one lecture per module per week at Honours. One weekly tutorial is also given to discuss material covered in lectures.

Typical methods of assessment

Almost all our modules are assessed by an equal balance of coursework and written examinations.

Careers

Our graduates go on to a very diverse range of careers. For example, at Reid-Howe Associates; The Scotsman and BBC; East-West Institute; Crown Office & Fiscal Service; the armed forces; Fleishman-Hillard; UNESCO; and the United Nations Association. Many also pursue postgraduate and doctoral qualifications. For more information: http://bit.ly/sta-ir-careers

See also page 36 for details of the University’s Careers Centre.
### Italian

*See also Modern Languages page 130*

**Degrees all available With or Without Integrated Year Abroad**

#### Degree options in the Faculty of Arts

<table>
<thead>
<tr>
<th>MA (Single Honours Degree)</th>
<th>Italian</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>MA (Joint Honours Degrees)</strong></td>
<td>Italian and one of:</td>
</tr>
<tr>
<td>Ancient History</td>
<td>French</td>
</tr>
<tr>
<td>Arabic</td>
<td>Geography</td>
</tr>
<tr>
<td>Art History</td>
<td>German</td>
</tr>
<tr>
<td>Classics</td>
<td>International</td>
</tr>
<tr>
<td>Comparative Literature</td>
<td>Latin</td>
</tr>
<tr>
<td>Economics</td>
<td>Management</td>
</tr>
<tr>
<td>English</td>
<td>Mathematics</td>
</tr>
<tr>
<td>Film Studies</td>
<td>Mediaeval History</td>
</tr>
<tr>
<td><strong>Spanish</strong></td>
<td><strong>Russian</strong></td>
</tr>
<tr>
<td><strong>Social Anthropology</strong></td>
<td><strong>Philosophy</strong></td>
</tr>
<tr>
<td><strong>Persian</strong></td>
<td><strong>International Relations</strong></td>
</tr>
<tr>
<td><strong>Modern History</strong></td>
<td><strong>Latin</strong></td>
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<tr>
<td><strong>French</strong></td>
<td><strong>Management</strong></td>
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<tr>
<td><strong>Arabic</strong></td>
<td><strong>Art History</strong></td>
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<tr>
<td><strong>Italian</strong></td>
<td><strong>Classics</strong></td>
</tr>
<tr>
<td><strong>Art History</strong></td>
<td><strong>Comparative Literature</strong></td>
</tr>
<tr>
<td><strong>Modern Languages</strong></td>
<td><strong>English</strong></td>
</tr>
<tr>
<td><strong>Italian</strong> and (one of Arabic, French, German, Russian, Spanish)</td>
<td><strong>Latin</strong></td>
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<tr>
<td><strong>Comparative Literature</strong></td>
<td><strong>Management</strong></td>
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<tr>
<td><strong>Modern Languages</strong> (Italian and (one of Arabic, French, German, Russian, Spanish)) and one of Ancient History, English, International Relations, Latin, Management and Comparative Literature</td>
<td><strong>Latin</strong></td>
</tr>
<tr>
<td><strong>Mediaeval Studies</strong></td>
<td><strong>Management</strong></td>
</tr>
<tr>
<td><strong>Ancient History</strong></td>
<td><strong>Management</strong></td>
</tr>
<tr>
<td><strong>Modern Languages</strong> (Italian and (one of Arabic, French, German, Russian, Spanish)) and Classical Studies</td>
<td><strong>Ancient History</strong></td>
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<tr>
<td><strong>Modern Languages</strong> (Italian and (one of Arabic, French, German, Russian, Spanish)) and Greek (Ancient)</td>
<td><strong>Classical Studies</strong></td>
</tr>
<tr>
<td><strong>Mediaeval Studies</strong> (see page 106)</td>
<td><strong>Spanish</strong></td>
</tr>
</tbody>
</table>

#### Entrance Requirements

Obtaining the following grades will not guarantee you a place as we consider all aspects of every application, including the Personal Statement.

**SQA Highers:** AAB

**GCE A-Levels:** AAB

**International Baccalaureate Points:** 36

For full Faculty Entrance Requirements, see page 53.

For degrees combining more than one subject, the subject with the higher Entrance Requirements determines the grades you need. You will also need to meet any further subject-specific Entrance Requirements as outlined on their pages.

For further country-specific qualifications and pre-degree foundation programmes see:

[www.st-andrews.ac.uk/study/international](http://www.st-andrews.ac.uk/study/international)

**Do I need previous knowledge of this subject?** – No.

#### Subject enquiries

**Dr Emma Bond**

E: [italianhod@st-andrews.ac.uk](mailto:italianhod@st-andrews.ac.uk)

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**Features**

- Strong focus on language learning at all levels of the degree programme.
- Culture courses on topics from the Middle Ages to the present day.
- Honours modules based on areas of staff research expertise.
- Emphasis on enhancing your skills of critical and literary analysis.
- Excellent opportunities to apply for study and work in Italy.

**Facilities and resources**

The School of Modern Languages has a Multimedia Centre with the latest digital technology to enhance the language learning experience and to practice oral and aural skills.

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**What will I study?**

The Italian Department in St Andrews is one of the newest in the UK, and has gained an excellent reputation for the quality and range of its teaching, and the high calibre of its graduates. Other Schools and Departments in the University have a strong interest in Italian Art, History, Politics, and Cinema making St Andrews an ideal place in which to develop a full understanding of Italian culture.
"I feel privileged to have been taught by staff who are not only experts in their field, but are also extremely approachable. This is something which I can't stress enough about the Italian Department. The curriculum is also enriching and varied. Whilst of course learning Italian is primarily about gaining language skills, here at St Andrews I have also learned a lot about Italian culture, politics, history and literature through studying the language."

Jade (Manchester, England)

We strongly believe in the value of cultural understanding and of communication skills, and therefore foster them at every stage of our programme. We help you achieve your potential promoting independent thinking, cultivating analytical and critical skills, and encouraging intellectual development. At the same time we maintain a close focus on linguistic and academic achievement.

The building of a high level of competence in language skills is a priority in all modules, and you will be expected to write using correct spelling, grammar and punctuation in both Italian and English.

Indicative programme information
First Year (2 x 20-credit modules required or 4 x 10-credit modules, depending on entry qualifications)
The majority of our students begin their study of Italian here with no previous experience of the language. Italian has two pathways: one for complete beginners, one for students with some prior qualification such as a Higher or A-Level. The modules for beginners provide an intensive language-learning experience. The post-Higher/A-Level programme consists of language modules, consolidating and developing your existing knowledge, and additional modules on different aspects of Italian culture.

Second Year (2 x 20-credit modules required)
Second year brings both first-year pathways together, devoting three hours per week to the advanced study of the language and two hours per week to culture. You will read Dante’s Inferno, and will explore modern Italian culture through literature and film.

Honours – Third and Fourth Years
Language study continues throughout the two Honours years, improving your language skills with an emphasis on the production of a high level of written and spoken Italian. In addition to the compulsory language modules, Italian Language 1 & 2 and Communication Skills 1 & 2, you will be able to build your Honours programme by choosing from a broad range of specialised modules on a variety of topics. Modules currently available, but subject to change (see Curriculum development page 7), include or cover aspects of:

- Early Italian Lyric Poetry
- Dante Alighieri
- Nineteenth-century Literature
- Black Italians
- Venice
- Contemporary Italian Women Writers
- Fascism and Film
- The Twentieth-Century Italian Novel

Study abroad
Many students are given the opportunity to spend a year working in an Italian-speaking country, between second year and Junior Honours (third) year. UK students may undertake teaching placements in schools abroad through the British Council’s Language Assistantship scheme. Alternatively, you may organise your own work placement with the approval of the Department. You may also apply to spend the third year of the degree programme (Junior Honours) as an Erasmus+ exchange student at a partner university in Italy, taking regular courses in Italian and, as appropriate, in the other Honours subject(s). For options available during your intended period of study, see: www.st-andrews.ac.uk/studyabroad/outgoingstudents

For further information about eligibility, the application and selection process, and costs involved, please see: www.st-andrews.ac.uk/studyabroad

You may also apply to the University’s St Andrews Abroad programme. See page 46.

Typical class sizes and teaching information
First Year: lectures ~100, language tutorials and practical classes in groups of 12 - 15
Second Year: lectures ~ 40, language tutorials and practical classes in groups of 10 - 12
Honours: language tutorials and practical classes in groups of 8 - 10, lectures and seminars in groups of 10 - 15

Teaching is carried out in a variety of modes, including formal lectures, seminars, tutorials and practical oral classes, and is supported at all levels by a range of computer- and web-based aids and activities, some specifically developed by the Italian Department here in St Andrews. Language teaching at all levels in Italian takes place in relatively small groups, giving us the opportunity to closely monitor your progress in all four key language skills.

Typical methods of assessment
We use a variety of methods of assessment to test language skills and skills of cultural analysis. These include formal examinations, oral presentations, and writing projects of various sorts. All modules contain some element of assessed coursework.

Careers
Recent graduates in Italian are now working in a variety of jobs both in the UK and in Italy. Some are working in companies where their role makes full use of their language skills. Some are working as teachers of modern languages in the UK, or English abroad. Others have taken further training or conversion courses to prepare for careers in translating and interpreting, or careers in law or commerce. Some are utilising their analytical and language skills in civil service positions in the Foreign Office and GCHQ whilst others are working in international art houses. For more information: http://bit.ly/sta-modlangs-careers

See also page 36 for details of the University’s Careers Centre.
Features

* Excellent linguistic training in the skills of reading and understanding Latin texts.
* Extensive language support provided by our full-time senior language tutor and other staff.
* Strong grounding in Latin literature combined with an awareness of the wider cultural context.
* Wide choice of subjects and approaches in Honours, with specialist teaching by scholars with international professional reputations.
* Wide choice of complementary courses from other Schools and Departments in the University, such as English, Mediaeval History, Philosophy, or Modern Languages, that may be incorporated within a Latin degree.
* The School of Classics was rated first in Scotland and second in the UK in the Research Excellence Framework 2014.

Facilities and resources

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

What will I study?

The study of Latin language and literature is fascinating and rewarding. The Latin-speaking world of Classical and Mediaeval times is a significant foundation of our modern Western world and Latin is the ancestor of French and Spanish and the other Romance languages. Study of Latin for a long or short period results in increased linguistic sensitivity and the ability to process with an appropriately critical eye complex rhetorical and figurative discourses at stake in our everyday interactions, whether in print media, social media or live settings. The study of Latin literature offers the chance to explore a huge range of genres (from epic poetry and historiography to philosophy and letter-writing), and opens up windows on social, cultural and political history too.

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Over a third of the students enrolled in the Faculty of Arts take a classical subject at some stage in their degree programme. You can choose Latin in your first year as one of your three subjects, even if you have never studied it before. Although you may study it for just for one semester or for a year, many who did not intend to take a degree in Latin discover its appeal and continue through to the second year and on to Honours.

Two 1000-level Latin modules are offered, one for students who have not studied it before, or have taken it at a lower level. The other module is for those who have studied Latin at a higher level. In the first two years you study a wide range of Latin texts, gaining the confidence and skills to read independently. In the third and fourth year you choose options reflecting your own special interests.

Entrance Requirements

Obtaining the following grades will not guarantee you a place as we consider all aspects of every application, including the Personal Statement.

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

We strongly recommend that all applicants have a qualification in a modern or ancient foreign language at National 5 / GCSE level, or equivalent.

For full Faculty Entrance Requirements, see page 53.

For degrees combining more than one subject, the subject with the higher Entrance Requirements determines the grades you need. You will also need to meet any further subject-specific Entrance Requirements as outlined on their pages.

For further country-specific qualifications and pre-degree foundation programmes see: www.st-andrews.ac.uk/study/international

Do I need previous knowledge of the subject? – No.

Subject enquiries

E: classics@st-andrews.ac.uk
Indicative programme information

First Year (2 x 20-credit modules required)
With Elementary Latin 1 & 2 beginners will, by the end of the year, have studied some Latin literature in the original and will have the basic skills to translate real Latin texts. The World of Latin 1 & 2 modules give more advanced students the opportunity to build their skill and confidence at reading extended Latin texts independently and to broaden their knowledge of Latin literature and culture. Two Latin works, one prose and one verse, are studied in each of the two semesters, alongside an ongoing programme of linguistic and literary critical consolidation. All students attend language support classes.

Second Year (2 x 20-credit modules required)
The second year is adapted to students at several levels of attainment in Latin. Students who have progressed from the non-beginners’ stream take modules designed to further their ability to read and appreciate Latin texts for themselves. Texts studied are chosen from the classical age of late Republican/early Imperial literature but typically include authors and genres not previously studied. The modules Latin in Progress 1 & 2 are designed to enable ex-beginners to read and appreciate Latin at a comparable level to those who have studied it before. Students team up with their counterparts from the advanced 2000-level module to study a selection of texts from the classical age of late Republican/early Imperial literature, but continue to be given extra language support classes in a group of their own.

If you take 1000-level Latin in your second year, but have taken Greek in your first two years, you can take special modules in your third year and still complete an Honours degree in Latin.

Honours – Third and Fourth Years
In Honours 30-credit options may include Roman Epic, Latin Philosophical Writing, Latin Historical Writing, Latin Didactic Poetry, Latin Letters, Latin Prose Composition, Latin Oratory, Roman Satire, Roman Comedy, Senecan Tragedy and Late Latin, and others. You may offer a 10,000-word dissertation as the equivalent of a 30-credit module.

There is a wide choice of other modules to complement Latin studies in all years, not only within Classics but also in other Schools.

Study abroad
You may apply to the University’s St Andrews Abroad programme. See page 46.

In the academic year 2016-2017, students in the School of Classics may apply to spend one or two semesters at the University of Leiden as part of our Erasmus+ exchange.

For options available during your intended period of study, see: www.st-andrews.ac.uk/studyabroad/outgoingstudents

For further information about eligibility, the application and selection process, and costs involved, please see: www.st-andrews.ac.uk/studyabroad

Typical class sizes and teaching information

First Year: lectures 25 - 35, tutorials 15 - 20
Second Year: lectures 20 - 30, tutorials 15 - 20
Honours: seminars 15 - 20

First Year
Beginners have four classes each week and students following the advanced programme have two weekly lectures/classes plus one small weekly group tutorial. There is, in addition, one language-support tutorial per week.

Second Year
Typically two lectures/classes per week plus one tutorial. Ex-beginners have one additional language tutorial per week.

Honours (Third and Fourth Year)
A combination of lectures, seminars, and classes, often in small groups, with increasing emphasis on students’ own contribution.

Typical methods of assessment
Assessment throughout the degree is determined by assessed coursework and examination, taken at the end of the semester: splits vary between 60% coursework / 40% exam, 50%/50% and 40%/60%. The final class of degree is based on marks awarded over the last two years.

All Single Honours students write a dissertation in their fourth year and this allows them to specialise in an area of their own key interest.

Final year students may obtain teaching experience in local secondary schools via the Iris programme or an assessed module.

Careers
Recent graduates who have studied Latin in Honours have moved into careers in law, museums work, journalism, teaching, finance, industry and applied computing; some have gone on to further study of the subject. For more information: http://bit.ly/sta-classics-careers

See also page 36 for details of the University’s Careers Centre.

“The Latin Department is open and flexible and the staff are always accessible and willing to help. They allow us to study new and different texts and ensure the classes are interesting and involving.”

Hector (Burgess Hill, West Sussex, England)
Degree options in the Faculty of Science or Faculty of Arts

**Single Honours Degrees**
- Management (MA or BSc)
- Management Science (BSc)

**Joint Honours Degrees**
**Management and one of:**
- Arabic (MA)
- Art History (MA)
- Classics (MA)
- Comparative Literature (MA)
- Computer Science (BSc)
- Economics (MA or BSc)
- English (MA)
- French (MA)
- Geography (MA or BSc)

**Management Science and one of:**
- Computer Science (BSc)
- Economics (BSc)

**Management and two Modern Languages**
Any combination of Arabic, French, German, Italian, Persian, Spanish is available, see page 130.

**Management Science**
- Mathematics (BSc)
- Statistics (BSc)

**Entrance Requirements**
Obtaining the following grades will not guarantee you a place as we consider all aspects of every application, including the Personal Statement.

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

**For BSc degrees – at least two Highers or one A-Level must include Mathematics, Biology, Chemistry, Computing, Science or equivalent, Geography, Geology, Physics, Psychology.**

For full Faculty Entrance Requirements, see page 53.

For degrees combining more than one subject, the subject with the higher Entrance Requirements determines the grades you need. You will also need to meet any further subject-specific Entrance Requirements as outlined on their pages.

For further country-specific qualifications and pre-degree foundation programmes see:
www.st-andrews.ac.uk/study/international

Do I need previous knowledge of this subject? – No.

**Features**
- The School of Management is listed as the top in Scotland in The Times and Sunday Times University Guide 2016, the Guardian University Guide 2016 and second in the UK for The Complete University Guide 2016.
- We are the only university in Scotland to offer both an MA and a BSc in Management. We also offer the broadest range of choices for Joint Honours degrees in Management and in Management Science.
- In the UK Research Excellence Framework 2014, Management was fourth in the UK based on the impact of its research.
- The School’s teaching and research are based on the concept of “Responsible Enterprise”, which entails an ethical approach to managing organisations and their social and environmental impacts.
- We offer challenging courses designed to equip you with the skills of critical thinking and self-reliance.
- Our aim is to stimulate your intellectual curiosity and to encourage you to interrogate evidence, to challenge logic, and to question existing ways of doing things.
- Our teaching is informed by cutting edge research across the arts and the social sciences. In addition to the core disciplines of business, members of staff have published in the fields of sociology, economics, psychology, and geography, among others.
- Presentation skills and group working provide vocational relevance for careers in commerce, finance, industry and public service.
- The student-run Management Society organises an innovative programme of events offering valuable personal development and networking opportunities. Past speakers include senior executives from Deutsche Bank, Jack Wills, Jaguar Land Rover, Saatchi & Saatchi, and Salvatore Ferragamo.
  www.facebook.com/MNGSociety

**Facilities and resources**
The School is located in the prestigious Gateway building at the North Haugh. The Gateway has state-of-the-art lecture and seminar facilities as well as an extensive private study area for students which can be found at the heart of its teaching accommodation.

The School is staffed by a team of international scholars with wide experience of teaching and research in the areas of Management (in all its guises), Accounting and Finance. Expertise in these areas is brought together in degree programmes which aim to develop critical thinking in the managers of tomorrow.
“I have really enjoyed the theoretical element of studying Management; the School is open and friendly and the course is challenging and diverse. I’ve also complemented my studies by taking an active role in many committees and societies which has given me skills in events and people management which are fundamental in real-world situations and have really helped with situational questions in job interviews.”

Katie (Glasgow, Scotland)

**What will I study? – MA or BSc**

The degree programme has been developed with an integral core of Management subjects along with the opportunity to take modules in allied disciplines. In addition, there are a number of Joint Honours options which will allow you to build a degree which suits your particular talents and aspirations. The first two years of study provide a sound basis from which to focus in the Honours years on particular aspects of Management practice.

In all years, you attend seminars and workshops which provide instruction in the use of specific management techniques as well as developing interpersonal skills in problem solving. Honours students have the option of submitting a research project which may take the form of analysis of a practical aspect of business.

**Indicative programme information**

**First Year (2 x 20-credit Management modules required)**

Taken together the modules explain why we have organisations, how they operate in society and what information is required of them by those in the external environment.

**Second Year (2 x 20-credit Management modules required)**

The two compulsory modules in the second year of the Management degree explore the core functions of managers, including marketing, organisational behaviour, managing in diverse and challenging situations and the analysis of financial data.

The School of Management also offers an innovative module, *Enterprise and Creativity*, which is available to all students across the University; it helps you to develop creativity and enterprise skills and to take a proactive role in managing your learning.

**Honours – Third and Fourth Years (2 x 20-credit core modules required + at least 4 further 20-credit optional modules)**

At Honours there are core modules in *Organisation Studies and Contemporary Issues in Management* as well as a variety of options. Modules available reflect the expertise of the staff in the School of Management and may include, for example:

- Advertising and Marketing Communications
- Behavioural Decision Making
- Corporate Finance and Control
- Corporate Social Responsibility, Accountability and Reporting
- Entrepreneurship and Small Business Development
- Financial Markets and Investments
- Human Resource Management
- International Banking
- International Business
- International Marketing
- Knowledge Work: Practice and Context
- Leadership Development
- Management of Change
- Non-Governmental Organisations (NGOs)
- Philanthropy and Philanthropreneurs
- Scenario Thinking
- Sociology of Finance
- Sustainable Development and Management

These have been carefully designed to give our graduates knowledge of international trends, well-developed interpersonal and transferable skills and an orientation towards creativity and innovation.

The distinction between *Management Science* and *Management* is that the former includes advanced training in quantitative techniques (Operational Research) that are relevant to the analysis of managerial problems. The Management degree places more emphasis on behavioural, organisational and strategic issues.

**Study abroad**

You may apply to study abroad under the University’s *St Andrews Abroad* programme. See page 46.

**Typical class sizes and teaching information**

- First Year: lectures 280 - 320
- Second Year: lectures 200 - 220
- Honours: lectures 20 - 120

Where tutorials take place, class sizes are 15 and occasionally larger.

Students’ progress is carefully monitored through a system of continuous assessment and tutorials. Tutorial groups are sufficiently small that tutors can give attention to particular needs and are structured around material that co-ordinates with lectures.

The overall grade for a module combines marks obtained on both coursework and examination, while some modules are assessed solely by coursework.

**Typical methods of assessment**

All Management modules are assessed by at least 30% coursework, with the balance made up of either written examinations or more coursework.

**Careers**

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. In the past students from the School of Management have found employment in the fields of general management, marketing, accountancy and the financial services industry. These roles have been undertaken in a wide variety of organisations in the public and private sector including: KPMG, Accenture, Barclays, the National Health Service, J P Morgan, Deloitte, the Scottish Executive, and Warner Music. In some instances graduates find work abroad and each year some students will undertake further study at Masters and Doctoral level in the UK and beyond. For more information: http://bit.ly/sta-management-careers

There is a dedicated Careers Centre within the University to help you select the future career option which is right for you. See page 36 for details.
Mathematics & Statistics

Degree options in the Faculty of Science or Faculty of Arts

**MMath (Integrated Masters Degrees)**
- Mathematics
- Applied Mathematics
- Pure Mathematics
- Statistics

**BSc or MA (Single Honours Degrees)**
- Mathematics
- Statistics

*If you wish to study Arts subjects in your first and second years, apply for the MA rather than the BSc degree.*

**BSc (Joint Honours Degrees)**

**Mathematics and one of:**
- Biology
- Chemistry
- Computer Science
- Economics

**Statistics and one of:**
- Biology
- Computer Science
- Economics

**BSc “With” Degree**

Honours in which two-thirds of the course deals with the first-named subject:
- Mathematics with Geography

**MPhys (Joint Integrated Masters Degree)**
- Mathematics and Theoretical Physics

**MChem (“With” Degree)**
- Chemistry with Mathematics

**MA (Joint Honours Degrees)**

**Mathematics and one of:**
- Ancient History
- Arabic
- Art History
- Biblical Studies
- Classical Studies
- Economics
- English
- German

**Statistics and one of:**
- Economics

**MA “With” Degrees**

Honours in which two-thirds of the course deals with the first-named subject:
- Mathematics with Russian
- Mathematics with Spanish

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**Entrance Requirements**

Obtaining the following grades will not guarantee you a place as we consider all aspects of every application, including the Personal Statement.

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

**First Year Entry**
*(To complete an MMath in five years, or a BSc/MA in four)*
- SQA Highers: AAAB (A in Mathematics)**
- GCE A-Levels: AAA (A in Mathematics)
- International Baccalaureate Points: 36 including HL6 in Mathematics

**Second Year Entry**
*(To complete an MMath in four years or a BSc in three. Please note that second year entry is not available into the MA.)*
- SQA Advanced Highers: AA including Mathematics (in addition to HIghers at AAAB (A in Mathematics)**
- GCE A-Levels: AAA (A in Mathematics and Further Mathematics)
- International Baccalaureate Points: 38 including HL6 in Mathematics

**For Fast Track MMath Degrees**
*(To complete an MMath in four years, starting with 1000-level modules)*
- Advanced SQA Highers: BB including Mathematics
- GCE A-Levels: AAA (A in Mathematics)**
- International Baccalaureate Points: 38 including HL6 in Mathematics

**For BSc and MMath degrees – in addition to Mathematics, one further Higher must include an approved science.**
- Approved sciences are Biology, Chemistry, Computing Science or equivalent, Geography, Geology, Physics, Psychology.

For full Faculty Entrance Requirements, see page 53.

For degrees combining more than one subject, the subject with the higher Entrance Requirements determines the grades you need. You will also need to meet any further subject-specific Entrance Requirements as outlined on their pages.

For further country-specific qualifications and pre-degree foundation programmes see:
- [www.st-andrews.ac.uk/study/international](http://www.st-andrews.ac.uk/study/international)

**Do I need previous knowledge of this subject?**
- Yes, see above.

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**Return to Subjects**
What will I study?

St Andrews provides a stimulating environment in which to pursue Mathematics or Statistics under the tutelage of world-class researchers. Not only will you have the opportunity to pursue an area of interest but also you will acquire the skills and attributes sought after by graduate employers. St Andrews has first-class researchers in the three main areas of mathematical science: Pure, Applied and Statistics. The School of Mathematics & Statistics has several internationally recognised centres, including the Centre for Interdisciplinary Research in Computational Algebra, the Centre for Research into Ecological and Environmental Modelling and the Solar and Magnetospheric MHD Theory Group. The undergraduate courses offered 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. As a student of Mathematics or Statistics, much of your time here will be concerned with developing the analytic techniques and skills necessary to explore some of these fascinating areas of research. Also, as a consequence of this diversity, we offer a wide range of degrees.

Subject enquiries

Dr Colva M Roney-Dougal
E: maths-admissions@st-andrews.ac.uk

Features

* We offer a wide variety of ways you can study mathematics, via first year entry, second year entry or Fast Track.
* To complement this, our degrees are extremely flexible: if you apply to the BSc or MMath, then on arrival you will discuss with your Adviser of Studies which of these entry routes would suit you best.
* All degrees have a flexible structure that allows you either to specialise in some particular area (e.g. Pure, Applied or Statistics) or to acquire training across a broader range of topics.
* Strong tutorial support throughout your undergraduate programme with weekly, small group tutorials for all courses in the early years.
* Opportunities to work closely, and undertake project work, with a research group.
* First-rate facilities and environment.
* Individual supervision of your Senior Honours Project in your final year.
* Fifth in the UK for the proportion of our research that is world-leading or internationally excellent in the UK Research Excellence Framework 2014.
Mathematics & Statistics
(continued)

Degree programmes offered
These range from the advanced MMath programmes to the more broadly based Joint Degrees with another subject. Both Single and Joint Degrees are generally four years long, and are based upon a flexible and innovative module structure built around a core of essential material.

When you are applying, you may not be sure of the type of programme that will most suit you. Mathematically well-qualified entrants can embark upon one of our MMath degrees: Mathematics, Pure Mathematics, Applied Mathematics, or Statistics: Mathematics can include topics from Pure, Applied and Statistics.

If you expect to be well qualified in school mathematics then you should apply for MMath Mathematics through UCAS which will give you access to everything we offer. You will have a meeting with your Adviser of Studies when you get to St Andrews, and they will help you choose which programme will suit you best.

Second year entry allows you to complete the MMath in four years by taking harder courses from the beginning of your degree, but having only a standard workload over the remaining years of study. In contrast, the Fast Track degrees offer an accelerated sequence of modules in Mathematics and/or Statistics designed in such a way as to permit a gentle start to first year, whilst ensuring that the advanced topics are reached by fourth year. The course structure is unique within Scotland and maintains the flexibility of the St Andrews structure whilst still enabling completion of the MMath degree in four years.

The mathematical/statistical content of the BSc and MA degrees is the same. The difference is in the other subjects available for study alongside mathematics or statistics. Our students do at least 20 credits of Mathematics in first year, and at least 60 credits in second year. Those on BSc degrees must take at least 60 more credits of science subjects (which can be Mathematics), whilst those on MA degrees must take at least 60 more credits of arts subjects (which can also be Mathematics).

Specialist modules currently on offer (2015-2016) include:

<table>
<thead>
<tr>
<th>Applied Mathematics:</th>
<th>Pure Mathematics:</th>
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<tr>
<td>Solar Theory</td>
<td>Group Theory</td>
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<tr>
<td>Advanced Computational Techniques</td>
<td>Fractal Geometry</td>
</tr>
<tr>
<td>Fluid Dynamics</td>
<td>Measure and Ergodic Theory</td>
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<tr>
<td>Classical Mechanics</td>
<td>Galois Theory</td>
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Statistics:
- Time Series Analysis
- Bayesian Inference
- Advanced Data Analysis
- Statistical Modelling

We offer a four-year BSc/MA degree in Mathematics and Statistics for those not wishing to take the advanced MMath route. You take a broad 1000-level programme, which can include up to two other subjects, and the mathematics component concentrates upon reinforcing basic skills and ideas before embarking upon the study of Pure Mathematics, Applied Mathematics and/or Statistics in second year. The BSc is also available with second year entry.

The 2000-level modules comprise a central core of material that everyone takes as part of their programme. These provide the foundation for study in years three and four where there are over sixty modules available for study over the two Honours years, of which Single Honours students take roughly five compulsory and twelve “free choice” modules (depending on the degree programme), and Joint Honours students half of those.

Indicative programme information
First two years of Mathematics or Statistics
At 1000 level you will study between one and three Mathematics modules, and between three and five modules in any other subjects. MT1002 Mathematics is our core compulsory module, and can be studied in either semester. Students with a strong background will take this in Semester 1, whilst those who prefer a gentler route will take MT1001 Introductory Mathematics in Semester 1 and MT1002 in Semester 2. We offer three further 1000-level Mathematics modules.

2000-level will be your first year if you choose second year entry. We offer eight modules across the whole range of mathematics, of which you will take between four and eight, depending on your intended degree. These 2000-level modules are designed to introduce you to the study of more advanced mathematics, opening up access to the diverse range of modules that we offer in higher levels.

Students on the Fast Track route will take a mixture of 1000- and 2000-level modules in their first year, including a specially-designed module purely for Fast Track students, to help rapidly bridge the gap between 1000-level and 2000-level mathematics. In their second year they go on to study a mixture of 2000- and 3000-level modules, enabling completion of the MMath degree in four years.

Study abroad
The School has a dedicated Study Abroad adviser and in their Junior Honours year, all BSc/MA students and non-Fast Track students on the MMath programme have the opportunity to apply to the University’s St Andrews Abroad programme. For further information see page 46.
Typical class sizes and teaching information

First Year: lectures 100 - 250, labs 25 - 60, tutorials 5 - 10
(First year tutorial sizes are under review)

Second Year: lectures 100 - 250, labs 25 - 60, tutorials 8 - 12

Honours: lectures 5 - 120, tutorials 1 - 30

In the first year activities for each module centre on a daily lecture (five per week). Small group tutorials take place once a week for each module where you prepare solutions to exercises on that week’s topics, which are marked by your tutor and then discussed in class. In addition, computer labs are held once a week for each module, to assist with both IT and problem-solving skills. In your second year you will typically be studying four modules at once, and each fortnight each module will typically comprise five lectures, one tutorial, one computer lab, and one examples class. You will develop increasing independence and initiative as you progress through your degree programme so that by third and fourth year the average teaching load drops to around ten hours of lectures and four of tutorials per week, supplemented by private study. In addition, in fourth year you carry out an extensive Senior Honours Dissertation on a topic of your choice, for which you will receive individual supervision throughout the year from your chosen staff member.

Successful third year students also have the opportunity to undertake summer project work as Vacation Scholars supervised by staff of their choice. This enables them to establish a close working relationship with members of a research group and gain an appreciation of research work and what it entails.

Typical methods of assessment

At 1000 and 2000 level all our modules include at least 50% written examinations, with the balance of assessment being made up of coursework. At Honours level the majority of our modules are assessed solely by written examinations.

Scholarships

A number of needs-based Entrant Scholarships are awarded each year by the University to students studying Mathematics and/or Statistics. For further information please see: www.st-andrews.ac.uk/scholarships

Careers

The demand for mathematically able graduates exceeds the supply and the career prospects are excellent. Graduates in Mathematics, Statistics or a Joint Degree involving these subjects have a wide selection of opportunities. Around 30% of graduates go on to pursue postgraduate qualifications, either in the UK or abroad, and develop research careers. A small number enter the teaching profession, for which there are various financial incentives. A similar number embark upon Teaching English as a Foreign Language in Japan or China: an opportunity to see the world and experience a different culture in an organised and structured way. Although this may seem an unlikely move for a mathematical scientist it provides a commercially valuable insight into an economically vibrant part of the world.

Of the rest, over 50% of our graduates gain employment with merchant banks, insurance companies, computer consultancies, the civil service, industry, and financial services organisations (e.g. Goldman Sachs, KPMG, PricewaterhouseCoopers, and many more). Clear logical thinking, deductive reasoning, confidence in data handling, and IT skills are attributes that are highly prized by employers.

Graduate recruiters seek numerate, literate, enthusiastic and successful graduates. A degree in Mathematics or Statistics offers the chance to develop such a profile and, of course, a good Mathematics/Statistics degree is recognised as a substantial achievement in a demanding discipline. For more information: http://bit.ly/sta-maths-careers

See also page 36 for details of the University’s Careers Centre.

“Everyone is extremely friendly and helpful. You will quickly get to know people through weekly events organised by the SUMS society that has over a hundred members. All of the things that I liked doing before I came to St Andrews I have continued to expand on during my time here – from charity work to tutoring to sports.”

Lera (St Petersburg, Russia)
Degree options in the Faculty of Medicine

BSc (Single Honours Degree)
Medicine

Entrance Requirements

Obtaining the following grades will not guarantee you a place as we consider all aspects of every application, including the Personal Statement.

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

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

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

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

**HNC Applied Sciences ‘Pathway to Medicine’ at Perth College**
The School of Medicine has formed a partnership with Perth College whereby a small number of students following a specified pathway in the Higher National Certificate (HNC) Applied Sciences at Perth College will be eligible to join the medical programme at St Andrews. More information can be found on the School of Medicine webpages or from Perth College. T: 0845 270 1177 or E: pc.admissions@perth.uhi.ac.uk

Applicants presenting other qualifications are expected to have attained these at a level which is equivalent to that expected of applicants offering Highers, Advanced (A2) Levels or the International Baccalaureate.

Entrance Requirements can be found on the School of Medicine webpages:
http://medicine.st-andrews.ac.uk/prospectus

UK Clinical Aptitude Test (UKCAT)
Applicants to St Andrews, including international students, are required to sit the UK Clinical Aptitude Test. You should take this in the summer of the year in which you apply to Medicine. Further information is available at: www.ukcat.ac.uk and http://medicine.st-andrews.ac.uk/prospectus

**Do I need previous knowledge of this subject?** – No.

Contact for prospective applicants
(including Entrance Requirements)

UK/EU: student.recruitment@st-andrews.ac.uk
Rest of the World: international@st-andrews.ac.uk
http://medicine.st-andrews.ac.uk

Non-Academic Entrance Requirements

To be a successful applicant you must be able to show evidence of the following:

- Personal qualities such as empathy, good communication and listening skills, leadership skills and the ability to work in a team.
- A well-informed understanding of what a career in Medicine involves.
- A commitment to Medicine demonstrated by organising work experience or shadowing. Experience of working with ill or disabled people, preferably in a health care setting.
- Commitment to academic study, staying power, perseverance and intellectual potential.

In considering the commitment involved in becoming a doctor, the following webpages provide important guidance:

General Medical Council, www.gmc-uk.org
Medical Schools Council, www.medschools.ac.uk
Scottish Doctor, www.scottishdoctor.org
The facilities in the School of Medicine building are second to none and really accessible to students outside of scheduled classes. On top of that the lecturers are approachable and supportive and the personal tutor system means that there is always someone to go and ask if you’re unsure about part of the course or just university life in general.”

Abi (Ackleton, Shropshire, England)

**Features**

- Students graduate after three years at St Andrews with a BSc (Hons) degree in Medicine and then progress to a Partner Medical School to complete their training and to graduate with an MB ChB/MBBS.
- An excellent scientific foundation for clinical practice.
- Early, relevant clinical experience.
- A highly supportive educational environment.
- **Bute Medical Society** – an active medical students' society representing medical and non-medical interests. Social functions include the Bute Ball and Bute Dinner.
- **Student prizes** – Heller Prize, Herring Prize and Kathleen Macdonald Prize for top projects in MD4002 topics; Gillingham Memorial Prize for top student in MD4003; 1972 Medical Graduation Prize for top student overall in Honours Programme.

**Facilities and resources**

A £45m purpose-built Medical and Biological Sciences building offering outstanding facilities for teaching, learning and research; fully integrated with key University disciplines including physics, chemistry, biology and psychology, offering an important new dimension to medical research and the training of new doctors.

**Programme structure**

Our medical degree programme is six years long; students graduating BSc (Hons) Medicine from St Andrews will progress to one of our Partner Medical Schools in Scotland (Aberdeen, Dundee, Edinburgh, Glasgow) or England (Barts in London, or Manchester) for the final three years. Applicants who are ‘overseas’ for fee purposes will progress to Manchester. The number of places available at each of our Partners can be found on our webpages, as can information about how to indicate, at the time of application, your preference for either England or Scotland: [http://medicine.st-andrews.ac.uk/prospectus](http://medicine.st-andrews.ac.uk/prospectus)

**Teaching delivery**

We use a wide range of teaching and assessment methods, including lectures, laboratory-based practicals, small group tutorials and computer-based resources. Audio-visual technology is fully utilised, including a ‘state of the art’ video capture system which can be used for training and feedback purposes in the main teaching environments.

The School of Medicine at St Andrews offers an integrated curriculum within a strong clinical context. In addition to exploring the foundations of medical science, it encourages the development of the professional attitudes, ethical understanding and decision-making skills required by ‘Tomorrow’s Doctors’. The curriculum addresses the following core principles:

- **Competence** – understanding of the scientific basis of medicine.
- **Professionalism** – development of clinical skills, personal values and ethical awareness.
- **Reflection** – monitoring self-awareness and decision-making through the completion of a portfolio.
- **Independence** – encouragement of self-directed learning.

The teaching is designed to encourage the application of medical sciences to clinical problems. The clinical medical programme spans Years 1 to 3, running throughout the entire course. Clinical skills teaching takes place in simulated wards and examination rooms with communication skills being taught as an integral part of the course. Clinical experience is also offered in the form of patient contact through primary care initiatives in the community. Professionalism and patient safety are key components of the entire course.
Indicative programme information

First Year
The medical course at St Andrews takes the form of an integrated spiral curriculum. In the first year of the course the modules Foundations of Medicine 1 and 2 emphasise the interrelationships between the pre-clinical sciences and form the first turn of the spiral. During subsequent turns of the spiral, topics will be revisited at a more advanced level and with increasing clinical application.

Foundations of Medicine 1
- Reviews fundamental aspects of molecular and cellular medicine.
- Gives a general overview of the structure and functions of the body systems from the microscopic to the macroscopic level.
- Introduces the history and philosophy of medicine.
- Gives a preliminary introduction to medical ethics and communication skills relevant to medicine.
- Uses clinical problems to develop an understanding of the levels of consciousness and the assessment of health status.
- Provides opportunities to speak to patients with chronic health problems in the Medical School environment.

Foundations of Medicine 2
This module continues the introduction of fundamental topics into the curriculum, including the principles of disease mechanisms and therapy, and the development of communication skills. The first body system (the musculo-skeletal system) is visited in detail. This module:
- provides an in-depth study of the musculo-skeletal system, including nerve and muscle physiology. The anatomy of the upper and lower limbs will be studied by dissection.
- develops an understanding of principles of disease mechanisms and therapy.
- introduces particular topics in behavioural sciences e.g. stress, coping and pain.
- reviews genetics and the effects of genes on development and disease.
- provides further opportunities for exposure to clinical problems relevant to the teaching.

Second Year
The Honours programme focuses in detail upon the normal function and dysfunction of specific physiological and psychological systems.

Medicine Honours 1 and 2
These modules form the second turn of the curriculum spiral taking an integrated approach to the scientific basis of medicine in Honours and build upon the material delivered in the first year. The modules:
- cover the structure and functions of the cardiovascular, respiratory, renal, gastrointestinal and reproductive systems. The anatomy of the thorax and abdomen, pelvis and perineum will be studied by dissection.
- introduce the disease mechanisms and therapy of disorders pertinent to these body systems.
- use relevant clinical problems and clinical skills to provide a clinical context.
- integrate the ethical, moral and behavioural aspects relevant to these systems.
- provide a series of community attachments in primary health care settings.
“Studying Medicine at St Andrews has given me the perfect balance of scientific knowledge and clinical experience that will help me to excel in my future career. Throughout my time here, the staff have been exceedingly helpful; they are always willing to make time to talk. Due to the fairly small year groups, it is really easy to get to know everyone on the course which makes it an even more enjoyable experience!”

Catriona (Glasgow, Scotland)

Third Year
Semester 1 of this year deals with the most complex integrative physiological systems (central nervous system and endocrine organs). During Semester 2 of this year there will also be a major Student-Selected Component and an Applied Medical Science module.

Medicine Honours 3
This module continues the strategy of the spiral curriculum by revisiting foundation knowledge and progressing to more complex systems. This module:
- provides in-depth coverage of normal structure and function of the central nervous system and endocrine systems. The anatomy of the head and neck will be studied by dissection.
- introduces diseases and possible therapies pertinent to these important control systems.
- presents case studies associated with the central nervous system and endocrine systems to highlight appropriate clinical skills for the identification of neurological and endocrinological disorders.
- integrates ethical issues and behavioural science with clinical medicine.
- provides hospital attachments.

Medicine Honours 4 (Student-Selected Component)
You will undertake a Student-Selected Component (SSC) in the form of a research project. The SSC will enable you to pursue an area of your own particular interest at an advanced level and further develop critical appraisal skills. SSCs will provide the opportunity for:
- developing an understanding of scientific methods.
- gaining competency in using literature searching methods.
- developing an inquisitive and questioning attitude and ability to apply rational thought processes.
- preparing a scientific research dissertation demonstrating critical thinking and analysis.
- giving an oral presentation on the research findings.
- developing reflective practice using a portfolio entry for a significant learning event.

Medicine Honours 5 (Applied Medical Science)
Knowledge acquired in the earlier parts of the curriculum will be consolidated. This course is taught primarily by clinicians (including Honorary staff) and case studies will be used extensively to direct student learning. This module:
- reviews clinical anatomy in preparation for later clinical training.
- gives you the opportunity to significantly advance your clinical and communication skills in terms of patient examination techniques and associated procedures.
- provides an opportunity for multi-disciplinary team working through a ward-simulation scenario involving other health professionals.
- develops your ability to recognise disease patterns and your clinical reasoning.

Typical methods of assessment
A prescribed level of performance must be achieved each year to ensure normal progression. The award of the BSc (Hons) Medicine degree requires that students possess a comprehensive knowledge of basic medical science and its clinical application, in readiness for the commencement of training at one of our Partner Medical Schools.

Application deadlines
UK and EU applicants must apply by 15 October and international applicants (i.e. non-EU) by 31 January.

Selection procedures
When assessing your application we shall take into account academic achievement (or predicted achievement), your UKCAT result and all the other information on the UCAS form.

There is considerable competition for places and so the academic qualifications indicated are considered to be the minimum Entrance Requirements and will not automatically guarantee the offer of a place. Further information on competitive entry is detailed on the School of Medicine's webpages: [http://medicine.st-andrews.ac.uk/prospectus](http://medicine.st-andrews.ac.uk/prospectus)

Only those applicants who meet our UKCAT requirement, have a very strong academic record and obtain a positive assessment of their non-academic qualities and experience (see section on page 126) will be called for interview.

Disability
A disability need not be a barrier to becoming a doctor but those who have a disability will need to consider carefully what effect that will have on their capacity to function as a medical practitioner (fitness to practise).

In the first instance, if you have a disability (including dyslexia) or relevant health concerns, you should explore what support we can make available to you by contacting the University’s Disabilities Adviser in Student Services before submitting your UCAS application. See page 33.

Immunisation and other conditions of offer
For information about immunisation and other conditions of offer, such as satisfactory criminal record screening, please see details on the School of Medicine’s webpages: [http://medicine.st-andrews.ac.uk/prospectus](http://medicine.st-andrews.ac.uk/prospectus)

Additional costs
You will have to cover the costs for a lab coat, protective glasses and a stethoscope. There are no other compulsory charges associated with our medical programme.
Modern Languages

See also Arabic page 58, Comparative Literature page 74, French page 96, German page 100, Italian page 116, Persian page 134, Russian page 144, Spanish page 148

Degree options in the Faculty of Arts

The School of Modern Languages offers a wide range of degree programmes in one, two or three languages, or in one or two languages and a non-language subject or subjects. French, German, Italian, Russian and Spanish all offer a Single Honours degree programme, while both Arabic and Persian can be studied as part of a two- or three-subject degree. Arabic, German, Italian, Persian, Russian and Spanish are all available from beginners’ level. The School also runs a well-integrated Comparative Literature programme. Our programme structures are amongst the most flexible in the UK.

MA (Single Honours Degrees)
- French
- German
- Italian
- Russian
- Spanish

MA (Honours Degrees)
- TWO or THREE of the following Languages: Arabic, French, German, Italian, Persian, Russian, Spanish
- COMPARATIVE LITERATURE and ONE or TWO of the following Languages: Arabic, French, German, Italian, Russian, Spanish or Comparative Literature - Persian
- TWO of the following Languages (in most cases*):
  - Arabic, French, German, Italian, Persian, Russian, Spanish and one of Ancient History, Classical Studies, English, Greek, International Relations, Latin, Management
- Arabic-Greek and Persian-Greek combinations are not possible due to a timetable clash.
- German-Latin combinations are not available due to a timetable clash.
- German-Management combinations are only available to non-beginners in German.
- Where first-level Russian modules clash with EN1003 and/or EN1004 then CO1001 and/or CO1002 should be taken instead.

* See also the individual language pages (noted above) for details of combinations of languages with other subjects that are possible.

W Available With Integrated Year Abroad
L Timetable clash exists, alternative hours are arranged for the language. Contact the School of Modern Languages for more information.
NG Arabic-Greek and Persian-Greek combinations are not possible due to a timetable clash.
B German-Latin combinations are not available due to a timetable clash.
G German-Management combinations are only available to non-beginners in German.
E Where first-level Russian modules clash with EN1003 and/or EN1004 then CO1001 and/or CO1002 should be taken instead.
NR Russian-Ancient History and Russian-Management combinations are not possible due to timetable clash.
S Classical Studies-Spanish combinations are not available due to a timetable clash.

Entrance Requirements

Obtaining the following grades will not guarantee you a place as we consider all aspects of every application, including the Personal Statement.

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

For full Faculty Entrance Requirements, see page 53.

For degrees combining more than one subject, the subject with the higher Entrance Requirements determines the grades you need. You will also need to meet any further subject-specific Entrance Requirements as outlined on their pages.

For further country-specific qualifications and pre-degree foundation programmes see: www.st-andrews.ac.uk/study/international

Do I need previous knowledge of this subject?
Only French requires previous qualifications. All other languages may be studied without prior knowledge.

Subject enquiries

Professor Will Fowler
E: modlangs@st-andrews.ac.uk

Features

- We offer a broad range of subject choices and combinations.
- Arabic, German, Italian, Persian, Russian and Spanish can be taken from scratch.
- French, German, Italian, Russian and Spanish can be taken as a Single Honours degree.
- We offer a range of study abroad opportunities and work placements.
- Our Multimedia Centre houses a high-technology digital language laboratory.
- The School is a friendly environment with skilled and dedicated teachers.
- We have a dynamic student community and a range of language societies.
- Our staff include a high number of native speakers.
- Our staff are leading researchers with expertise in subjects spanning the mediaeval period to the present day.
- Our programmes help you develop a wide range of transferable skills.
“Studying French and German at St Andrews has not only allowed me to hone my written and oral skills, but also to immerse myself in the cultural side. From modules on German cinema to French philosophy, there are lots of options to choose between in your final two years that make the languages come to life. Add to that the year abroad, which I spent working in Paris, and you have a truly diverse degree.”

Verity (Stamford, Lincolnshire, England)
School President 2015-2016

The study of modern languages is of critical importance in an age of rapidly growing contacts between nations of the world. Knowledge of another language enables the individual to become immersed in the culture, in the broadest sense, of those languages, the society they reflect, the history and literature of their speakers. The resulting familiarity with other peoples and cultures not only broadens one’s own horizons, but also paves the way to becoming a full member of the international community. Frequently, students also discover a love for a given language in and of itself, and every modern language has a rich cultural heritage through which the student can explore it further.

The School of Modern Languages includes the Departments of Arabic (also the home of Persian), French, German, Italian, Russian and Spanish. All these subjects can be studied through to the final year for the MA Honours degree, or else for one or two years. The detailed individual subject entries show the various ways in which these languages can be studied, either by themselves or in combination with other languages or non-language subjects. There is a wide range of such subjects available for combination with any one or two of the seven languages within the Arts Faculty. The School of Modern Languages is also home to a degree programme in Comparative Literature (see page 74).

Whether you begin studying a language in St Andrews or join non-beginners classes, our programmes are designed to move through progressively sophisticated stages in preparation for Honours. Core language programmes at 1000 and 2000 level are structurally equivalent in all six departments but their non-language course content may vary from language to language. This might include the study of literature, history or elementary language-specific linguistics. All language programmes place emphasis on accurate spelling, punctuation and grammar in the target language and in English.

Once admitted to Honours, language students continue to follow core language modules in each language. Depending on whether you are following a one, two or three language programme into Honours, you will also take a variety of modules in literature, culture or society. Further details are on the relevant subject pages.

Facilities and resources
The School has a Multimedia Centre with the latest electronic technology to enhance the learning and practice of oral and aural skills. In Honours, content modules, such as literature courses, have a seminar format in most departments.

Study abroad
Most Language students spend a year abroad after their second year of study. How and where this time is spent will depend on whether you are taking a four-year or five-year degree course. The School makes final decisions on pathways during the second year of study, when you apply for your preferred option, irrespective of the degree intention declared on the original application to St Andrews. If you are taking a four-year degree, you may apply to spend all or part of your third year as an Erasmus+ exchange student at one of our partner universities (for arrangements for students of Arabic, Persian and Russian see subject entry). You may also apply to the University’s St Andrews Abroad programme. See page 46.

With Integrated Year Abroad programmes
If you opt to take Honours degrees With Integrated Year Abroad (WIYA) in French, German, Italian, Russian or Spanish, you may spend your third year in a country in which the relevant language is spoken. With the help of the relevant department, UK students are usually placed in a school through the British Council’s Language Assistantship scheme (for Russian WIYA see page 144). You may organise an alternative work placement with the approval of your Department. Placements are not guaranteed and students are responsible for securing an approved placement. If students are unsuccessful, they will be moved onto a four-year programme. WIYA programmes are not currently available for Arabic or Persian.

Typical class sizes and teaching information
First Year: lectures 20 - 120, seminars 5 - 20
Second Year: lectures 10 - 100, seminars 5 - 20
Honours: groups of 20 or fewer

Core teaching of languages (grammar and translation) is conducted in classes that are kept as small as possible. Native speakers conduct small oral/conversation classes and also teach core modules in Honours as well as first and second years.

Typical methods of assessment
All our modules are assessed by at least 40% coursework. The balance is made up by further coursework or written examinations.

Careers
Modern Languages graduates have an extremely good record of employment after graduating. Many of our graduates find employment as language teachers, translators or interpreters, or in other jobs requiring advanced language skills. Their chosen careers also extend beyond the linguistic sector, and include banking and financial services, international development, media, human resources and administration. For details on careers pursued by graduates of specific languages, see the entries elsewhere in this Prospectus. For more information: http://bit.ly/sta-modlangs-careers

See also page 36 for details of the University’s Careers Centre.
Music

* Do you play to a high standard?
* Do you want to learn more about music as an academic discipline?

St Andrews has courses that are designed to support you in continuing studies alongside modules designed to develop music appreciation skills.

Facilities and resources
The Department of Music draws on the expertise of instrumental and voice tutors associated with the University’s Music Centre, who contribute to teaching on our performance modules. The Music Centre also has a range of practice facilities, including practice rooms, instrument hire and an electronic music studio with Apple iMac computers with software and hardware available for the composition and realisation of music. For more details, including a list of current tutors and their areas of expertise, see the Music Centre webpages. In addition, students on our modules enjoy lectures and seminars from a range of outside visiting lecturers who draw on their professional experience in music performance and related fields to enhance the academic learning experience.

The University of St Andrews degree structure allows students to broaden their education, particularly at first and second year level. Within this structure, the Department of Music offers 1000- and 2000-level modules, and one limited-entry 3000-level module, to those of you who wish to develop your interests in music as part of your degree. Some of our modules are intended for students who have already acquired a high degree of competence in performance and/or reading musical notation, while others require no prior knowledge or expertise.

The 3000-level module in performance is designed to support students thinking about developing potential careers in music, normally through further study at music college or conservatoire; entrance to this module is limited to those who have passed both sub-honours performance modules with sufficiently high grades to allow progression (see www.st-andrews.ac.uk/coursecatalogue ).

We are happy to accept students from all Faculties on all our music modules, regardless of what other subjects they are studying, though as with all modular choices, you will need to obtain the approval of your Adviser of Studies.

Typical class sizes
First Year: lectures 30 - 40, tutorials 6 - 10
Second Year: lectures 6 - 40, tutorials 1 - 10

Indicative programme information
First Year
Understanding Music (A and B versions)
These modules aim to develop skills and knowledge that will help you to get more out of the experience of listening to music. Focusing particularly on classical music, both modules include components on musical history, acoustics, aesthetics and the history of the orchestra, and examine key works from different genres and periods in particular detail. You are not required to perform as part of these modules. The two modules run in parallel, sharing lectures on music history and set works. Students on the more advanced module Understanding Music A, however, must have well-developed pre-existing skills in music literacy and analysis, to the equivalent of ABRSM theory grade 5 +. Students on Understanding Music B will be taught music notation and be introduced to a range of analytical concepts that will help them to discuss the set works precisely and accurately. For those unsure of their entry level, an initial diagnostic test in Week 1 will help us to place you in the strand most appropriate to your existing knowledge level.

Making Music
This module is designed for students who have already studied an instrument or singing and would like to continue making music at a high level while at university. It supports you in improving your performance skills while developing an understanding of the historical, analytical and aesthetic ideas related to musical performance. The module also offers the chance to study composition and to perform as part of an ensemble. You are required to present a short recital for examination and to complete related written work. Entry requires a playing/singing standard equivalent to ABRSM/Trinity College grade 8; students not holding a grade 8 certificate will need to be auditioned prior to entry to ensure their playing is of comparable standard.

“Although my Honours intentions are not in music, I am taking academic music modules on offer at sub-honours level. I also have a busy musical life both with the University Symphony Orchestra and as Organ Scholar to the St Salvator’s Chapel Choir, with weekly services and regular concerts and tours.”

George (Richmond, North Yorkshire, England)
Advanced Performance
This module is a practical, year-long module aimed at students who wish to develop their playing to diploma level. The module’s primary focus is performance but you will also have the opportunity to consider relevant music in its historical context. Teaching consists of individual instrumental lessons, masterclasses and tutorials while assessment is based around the preparation and presentation of an instrumental recital.

Scottish Music
This module explores a wide range of music in Scotland, examining Highland and Lowland folk music and more recent pop music as well as classical music composed from the mediaeval era onwards. In doing so, it aims to build up an understanding of the relationship between Scottish music and the society in which it is produced. No prior knowledge of musical notation is necessary: this module is for all those interested in the rich and varied musical culture of Scotland.

Third Year
Concert Performance
This module caters for students aiming to perform to a professional level or students wishing to go on to study performance at postgraduate level. Teaching will include instrumental/vocal lessons at the University’s Music Centre, masterclasses with professional musicians and weekly performance classes. Alongside the primary focus of performance, students will also receive teaching in careers and enterprise skills to assist their entry into the music profession. The marking standards for this module are similar to a performance diploma such as LRSM (Licentiate of the Associated Board of the Royal Schools of Music). The module may be especially attractive to a student wishing to put themselves forward for such a diploma.

Contact
Dr Jane Pettegree
E: musicmodules@st-andrews.ac.uk
T: +44 (0)1334 462239
W: www.st-andrews.ac.uk/music

“As someone who hopes to go on to study music after graduating, taking modules and engaging in the wealth of musical opportunities that St Andrews has to offer has helped me develop as a musician. Since my first year, I have been a choral scholar of St Salvator’s Chapel and have participated in productions with Byre Opera, performing in venues across Scotland. I was also a Monteverdi Choir Apprentice under Sir John Eliot Gardiner in 2014-2015, and was kindly supported by all members of staff to pursue my ambitions.”

Angharad (Denbigh, Wales)
Persian

See also History – Middle East Studies page 108
See also Modern Languages page 130

‘With Integrated Year Abroad Degrees’ are only available where the WIYA is taken in another language.

Entrance Requirements

Obtaining the following grades will not guarantee you a place as we consider all aspects of every application, including the Personal Statement.

SQA Highers: AAAB
GCE A-Levels: AAB

International Baccalaureate Points: 36

For full Faculty Entrance Requirements, see page 53.

For degrees combining more than one subject, the subject with the higher Entrance Requirements determines the grades you need. You will also need to meet any further subject-specific Entrance Requirements as outlined on their pages.

For further country-specific qualifications and pre-degree foundation programmes see: www.st-andrews.ac.uk/study/international

Do I need knowledge of this subject? – No.

Subject enquiries

Dr Saeed Talajooy
E: persian@st-andrews.ac.uk

Features

* We offer the largest range of Persian degrees in Scotland, and are the only university in Scotland to offer Persian alongside two other subjects.
* One of only six universities in the UK to offer degrees in Persian.
* You can begin the study of Persian language with no prior knowledge, and choose how far you wish to continue, semester by semester, up to the end of second year.
* Two undergraduate societies – the Middle East Society and a new Persian Society.
* Access to events in the Institute of Middle East, Central Asia and Caucasus Studies, the Institute for Iranian Studies, the Institute for Comparative and Contemporary Literature, and those organised by Middle Eastern Studies within the School of History.
* The Persian book prize (a Persian book or a book related to Persian) is an annual prize given to the best student of each year.
What will I study?

We cover the language, literature and culture of the Persian-speaking world. The topics include classical and modern Persian language and literature, and modern media and film.

The building of a high level of competence in language skills is a priority in all modules, and you will be expected to write using correct spelling, grammar and punctuation in both Persian and English.

You may also take complementary modules in Mediaeval History, Middle East Studies, Modern History, International Relations and Modern Languages.

Indicative programme information

After completing the first two years, you will be able to read, write and converse in Modern Persian.

First Year (2 x 20-credit modules required)

Persian for Beginners 1 and 2
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, and this will enable you to express yourself in writing, role play and basic dialogues, and to begin to read basic authentic texts.

Second Year (2 x 20-credit modules required)

Intermediate Persian 1 and 2
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 key texts of classical Persian literature.

Honours – Third and Fourth Years

(Normally 4 x 15 credit modules over two years)

At Honours, in addition to core language modules, other modules currently available, but subject to change, include or cover aspects of: Key Texts in Modern Literature, Introduction to Classical Persian Poetry, Modernity and Iranian Drama, Modern Iran through Cinema and Female Identity in Contemporary Iran. In the fourth year, you also have the option of doing a short (one semester) or a long dissertation (two semesters).

Study abroad

You may apply to study abroad under the University’s St Andrews Abroad programme, see page 46. For options available during your intended period of study, see: www.st-andrews.ac.uk/studyabroad/outgoingstudents

For further information about eligibility, the application and selection process, and costs involved, please see: www.st-andrews.ac.uk/studyabroad

Typical class sizes and teaching information

First Year: lectures and tutorials 10 - 25
Second Year: lectures and tutorials 10 - 20
Honours: classes and tutorials 5 - 10

Typical methods of assessment

All our 1000- and 2000-level modules are assessed by 40% coursework, 20% oral examinations, and 40% written examinations. At Honours level the assessment pattern depends on the module chosen, but all include at least 40% assessed coursework.

Careers

Graduates in Persian will be well prepared for a wide range of careers for which an arts degree is a recognised qualification, for example: in academia, government departments (in particular the British Foreign and Commonwealth Office and the US State Department), journalism, non-governmental organisations and international companies.

See also page 36 for details of the University’s Careers Centre.

“I have had an exemplary experience with the Persian Department at the University of St Andrews. The work is intensive, but you advance faster than you can imagine. Class sizes are quite small because the programme is very new. The staff are very passionate about Iranian culture and are natives of Iran themselves. We celebrate Iranian holidays, watch Iranian movies, and cook Iranian food. I feel like I’m not only learning a language, but I’m learning a culture. The opportunities for someone who speaks Persian after graduation are endless in both the public and private sector.”

Erika (Minnesota, USA)
**Philosophy**

### Degree options in the Faculty of Arts or Faculty of Science

**MA (Single Honours Degree)**
Philosophy

**MA (Joint Honours Degrees)**
Philosophy and one of:
- Ancient History
- Arabic
- Art History
- Biblical Studies
- Classical Studies
- Classics
- Comparative Literature
- Economics
- English
- Film Studies
- French
- Geography
- German
- Greek
- International Relations

Available With Integrated Year Abroad – see Modern Languages.

**BSc (Joint Honours Degrees)**
Philosophy and one of:
- Biology
- Computer Science
- Mathematics
- Physics
- Statistics

### Entrance Requirements

Obtaining the following grades will not guarantee you a place as we consider all aspects of every application, including the Personal Statement.

**SQA Highers:** AABB**
**GCE A-Levels:** AAB**

**International Baccalaureate Points:** 35

**For BSc degrees – at least two Highers or one A-Level must include Mathematics, Biology, Chemistry, Computing, Science or equivalent, Geography, Geology, Physics, Psychology.**

For full Faculty Entrance Requirements, see page 53.

For degrees combining more than one subject, the subject with the higher Entrance Requirements determines the grades you need. You will also need to meet any further subject-specific Entrance Requirements as outlined on their pages.

For further country-specific qualifications and pre-degree foundation programmes see: [www.st-andrews.ac.uk/study/international](http://www.st-andrews.ac.uk/study/international)

**Do I need previous knowledge of this subject?** – No.

### Features

- A Philosophy degree from St Andrews is held in high regard throughout the academic world.
- In their final year, significant numbers of our Philosophy undergraduates secure places on graduate programmes at Oxford, Cambridge, St Andrews or at leading universities in the United States.
- Philosophy can be pursued as a Single Honours degree, but it also combines naturally with many other subjects, such as Classics, International Relations, Psychology, Theology or Mathematics. It can also be combined with various science subjects.
- Philosophy staff at St Andrews work in a broad spectrum of disciplines, from logic and metaphysics to moral and legal philosophy and beyond. As a result, we offer a wider variety of courses than you might find elsewhere, within a flexible modular system.
- Each year we aim to hold a 'reading party' for final-year students and staff in the Scottish Highlands.
- The undergraduate Philosophy Society is one of the largest student societies in the University. It organises many talks, debates and social events throughout the academic year attracting internationally renowned speakers, and it publishes its own philosophy journal, *Aporia*, to which students are invited to contribute.
- Philosophy was rated top in Scotland and fifth in the UK in the UK Research Excellence Framework 2014.

### Facilities and resources

The Philosophy Department is housed in Edgeclife, a nineteenth-century building with beautiful views out over St Andrews Bay. The view from the library makes it a lovely place to work.

### What will I study?

Philosophy is an exploration of some of the oldest and most vexing questions asked by human beings. What differentiates truth from falsehood, and reality from appearance? How is the mind related to the body? Are we really free in our decisions and actions, or is freedom an illusion? Are the things we regard as valuable good in themselves, or good only by custom and convention? Can a work of art be immoral? What justifies some in exercising power over others? Do we need a rational justification for religious belief, and if so, does one exist? For over 2,500 years human beings have been trying to develop systematic answers to these questions.

At St Andrews, we try to familiarise you with views put forward by the principal figures of the philosophical tradition, and provide you with the means ofrationally and independently assessing your 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.
"As a Philosophy student, you will be asked the question ‘what is philosophy?’ on many occasions. While there is no simple answer, the skills that you will learn and the confidence that you will develop by considering some of life’s biggest questions is truly unique. Studying at St Andrews will give you the opportunity to discuss your work with leading practitioners in an environment that naturally inspires philosophical study."

Ben (Manchester, England)

Training in the sort of precise and effective reading, and the 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.

Staff at St Andrews are at the forefront of research in their varied fields. This expertise and enthusiasm is conveyed at all levels of teaching. There is a flourishing graduate programme, and a busy schedule of conferences, symposia and special lectures with speakers from all over the world. St Andrews is also home to one of the most respected international philosophy journals, the Philosophical Quarterly.

We offer a wide range of module choices in every year of study.

Indicative programme information

First and Second Years
(1 x 20-credit core module + 60 credits of optional modules)
First year teaching allows you to study some of the great books in philosophy, and introduces you to fundamental philosophical questions discussed by philosophers from the beginnings of Greek antiquity right up until the present day. These 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 subjects you have to cover if you want to continue with philosophy, but there are several options to choose from, even at the introductory level.

In second year, there is further opportunity to study the history of philosophy and to learn about intermediate logic, the philosophy of language, epistemology, moral philosophy and aesthetics. You will be able to explore more deeply some of the questions you will have worked on in first year, and lay the foundation required for an Honours degree in Philosophy.

Honours – Third and Fourth Years (core module(s) at 3000 level; plus 4000-level optional modules)
At Honours, you will take at least one 3000-level module in your Junior Honours year, with a focus on reading core texts in a wide range of philosophical topics; alongside this, and in your Senior Honours year, you will choose from a wide variety of advanced options, including topics in epistemology (the study of knowledge), metaphysics, formal logic, the philosophies of logic, mind, and language, applied ethics, ethical and political theory, metaethics, aesthetics, and the philosophies of film, creativity, law, and religion, as well as texts in the history of philosophy, such as Scottish philosophy, Kant, or twentieth-century philosophy.

Study abroad
As a student of Philosophy, you may apply to participate in our Erasmus+ exchange. In 2016 - 2017 this is with Aarhus University in Denmark, where some classes are taught in English. For options available during your intended period of study, see: www.st-andrews.ac.uk/studyabroad/outgoingstudents

For further information about eligibility, the application and selection process, and costs involved, please see:
www.st-andrews.ac.uk/studyabroad

You may apply to study abroad under the University’s St Andrews Abroad programme. See page 46.

Typical class sizes and teaching information

First Year: lectures 120 - 220, tutorials 7 - 9
Second Year: lectures 40 - 120, tutorials 7 - 9
Honours: lectures 10 - 50, seminars 10

First and second year teaching involves both formal lectures and informal tutorials, in which you discuss your ideas, questions and problems with your tutor and with fellow students. There are also examples classes to support the teaching of formal logic. In Honours, teaching is often conducted in seminars, where you may often be asked to present and discuss your own work.

Typical methods of assessment
All 1000- and 2000-level Philosophy modules are assessed by equal measures of coursework and written examinations. This pattern is continued in some Honours modules, while others are assessed solely by coursework, with a variety of elements.

Scholarships
The University awards needs-based Entrant Scholarships to students in Philosophy. Further information at: www.st-andrews.ac.uk/scholarships

Careers
Recent graduates have found openings in local government, television production (Sky Sports), Oddbins as a wine adviser, as a public information intern for the United Nations Commission for Refugees, the National Health Service, the Co-operative Bank, insurance, the Crown Prosecution Service, publishing, and teaching English in Japan.

It is not uncommon for St Andrews Philosophy graduates to enter the legal profession after a conversion course or a second degree in law. A substantial proportion of Philosophy graduates choose to pursue an academic career. For more information: http://bit.ly/sta-philosophy-careers

Please see page 36 for details of the University Careers Centre.
Physics & Astronomy

Degree options in the Faculty of Science

BSc (Single Honours Degrees)
- Astrophysics
- Physics

MPhys (Integrated Masters Degrees)
- Astrophysics
- Physics
- Theoretical Physics

BSc (Joint Honours Degrees)
Physics and one of:
- Computer Science
- Mathematics
- Philosophy

MPhys (Joint Integrated Masters Degree)
- Theoretical Physics and Mathematics

MSci (Joint Integrated Masters Degree)
- Physics and Chemistry

Entrance Requirements

Obtaining the following grades will not guarantee you a place as we consider all aspects of every application, including the Personal Statement.

First Year Entry
- SQA Highers and GCE A-Levels should include Physics and Mathematics
  - SQA Highers: AAAA
  - GCE A-Levels: AAA
  - International Baccalaureate Points: 38 including HL6 in Physics AND HL6 in Mathematics

For full Faculty Entrance Requirements, see page 53.
For further country-specific qualifications and pre-degree foundation programmes see: www.st-andrews.ac.uk/study/international

Second Year Entry
- SQA Highers/Advanced Highers and GCE A-Levels should include Physics and Mathematics
  - SQA Highers: AAAA at Highers, and AA at Advanced Highers
  - GCE A-Levels: AAA
  - International Baccalaureate Points: 38 including HL6 in Physics AND HL6 in Mathematics

For full Faculty Entrance Requirements, see page 53.
For degrees combining more than one subject, the subject with the higher Entrance Requirements determines the grades you need. You will also need to meet any further subject-specific Entrance Requirements as outlined on their pages.

Physics and Astronomy (Gateway) and (International Gateway) Entry
For UK students with high academic potential but having experienced disadvantage, at least BBBB or ABBC at Highers, BBB at A-Level, in all cases to include Physics and Mathematics. Also for international students with high academic potential but with less access to advanced level qualifications.

Preference may be given to candidates offering strong science qualifications.

Do I need previous knowledge of this subject?
- Yes, see above.

Subject enquiries

Dr Kenny Wood
E: physics@st-andrews.ac.uk

“I have loved my time here, both academically and socially. My courses are all really interesting and the lecturers are enthusiastic about their subjects. The highlight for me, so far, was the opportunity to work with researchers in Astrophysics during the summer months where I carried out research on galaxy models. This opportunity opened my eyes to the possibility of postgraduate study and developed my research and coding skills which have proved useful in many of my modules.”

Amy (Leven, Fife, Scotland)
“Studying Physics at St Andrews has been an incredibly rewarding experience. The lecturers are passionate and enthusiastic about the subject and their work. This creates an ideal learning environment alongside plenty of opportunities to be part of the ongoing research in the school. St Andrews has allowed me to experience many different areas of physics and meet like-minded people in an inspirational environment.”

Kimberley (Kinross, Scotland)

Features

* The nature of the School allows significant interaction amongst staff and students.
* The UK Research Excellence Framework 2014 has rated the quality of the School’s research (joint with Edinburgh) at third in the UK.
* Our programmes are particularly flexible offering a choice of entry and exit points.
* Entrainers with good Advanced Highers /A-Levels may attain an Honours BSc in three years, or an MPhys in four.
* Our degrees have been accredited by the Institute of Physics.
* National and international recognition of the research work of some final year students.

Facilities and resources

Physics is thriving at St Andrews, with major research groups working in astronomy and astrophysics, laser physics and optoelectronics, biophotonics, quantum optics, magnetism and superconductivity, millimetre-wave techniques, semiconductor physics, and theoretical physics. Healthy numbers of well-qualified students join our BSc and MPhys programmes each year.

The strong research base in the School provides exciting opportunities to use high specification experimental apparatus. Almost all our teaching is done in the same building as our research labs and offices, which helps build the student and staff community in the School.

The University Observatory houses the largest optical research telescope in the UK, and is an active part of the exoplanet research programme.

You become part of a stimulating academic community, and can progress from the core modules of years one and two through to modules at the end of your studies that are at the frontiers of current knowledge. The final year project, which is usually undertaken within one of the research groups, is often a highlight of the degree programme. Recent projects have involved using data on terahertz radiation obtained from a world-class telescope to map out the surface of Pluto, optimising magnetic resonance imaging for diagnosis of cardiac disease, developing tools for probing atomic-scale properties of materials in our ultra-low vibration research laboratories, and modelling the interaction of photons with qubits.

In recent years there have been particularly striking developments in astronomy. Searches for planetary systems around stars other than the Sun are being successfully pursued. The theory and observation of star and planet formation is developing rapidly, as is our understanding of the galaxy population. In cosmology ‘dark matter’, ‘dark energy’ and alternative theories of gravity are key areas which are advancing rapidly.

Entry and exit points

A five-level structure is used in order to provide suitable entry points tailored to students with different backgrounds.

The final choice between BSc and the more advanced MPhys can usually be postponed until mid-way through third year.

First year entry has been designed for those entering straight from Scottish Highers, those wishing to experience the traditional broad-based first year at a Scottish university, and those on some Joint Honours degree programmes. If you have good Advanced Highers or A-Levels, and you are sure that you wish to study for a degree in physics, astrophysics, or the joint degrees with Mathematics, you are invited to enter directly into second year, from which point an Honours BSc degree lasts three years and an MPhys degree four years. Currently between a quarter and a half of our entrant students take this accelerated route. Further information is overleaf.

We have alternative entry routes entitled Physics and Astronomy (Gateway) and Physics and Astronomy (International Gateway). These give a specially tailored first year with about half of the modules taken from existing physics and maths modules, and half on new modules aimed specifically at students who have high academic potential but who have for various reasons not been able to demonstrate that fully in school-level examinations. The modules provide many contact hours of learning a week to develop maths and physics knowledge and associated academic skills. Success in first year opens up progression to the second year of the degree programmes in physics, astrophysics, maths/physics and others.

Our astronomy team played a major role in the collaboration that discovered the most earth-like planet yet found outside our solar system. This artist’s impression is courtesy of the European Southern Observatory. This planet was found using gravitational lensing. Students in our Observational Astrophysics module search for the signatures of extrasolar planets caused by the decrease in a star’s light as the planet passes in between us and its star.
Physics & Astronomy (continued)

What will I study?

Indicative programme information

First Year
All students take the modules Physics 1A and Physics 1B. In addition, students aiming for the Astrophysics degree take Astronomy and Astrophysics 1 which presents a broad outline of the astronomical universe. You also take at least one module in Mathematics, as well as other modules of interest to give a total of 120 credits.

Second Year (second year for some, year of entry for others)
The main branches of physics are discussed in Physics 2A and Physics 2B. The module Astronomy and Astrophysics 2 is required for astronomers and is optional for others. It is intended to introduce you to advanced astrophysics material. Students take at least two 2000-level Mathematics modules and other modules to give usually a 120 credit total.

Honours (Third, Fourth and optionally Fifth Years)
In the two (BSc) or three (MPhys) Honours years the main branches of the degree subject are covered in considerable depth. You take some or all of the mainstream modules in quantum mechanics, physics of atoms, nuclear and particle physics, thermal and statistical physics, electromagnetism and solid state physics, and take additional modules in the appropriate specialist areas. Depending on the degree programme, these might include Extragalactic Astronomy, Computational Astrophysics, Physics of Electronic Devices, Signals and Information, Laser Physics, Special Relativity and Fields, and Fluids. In your final year, you carry out a research project which usually involves working with one of the research groups in the School.

The optional MPhys additional year contains a number of advanced modules chosen from topics that may include Biophotonics, Quantum Optics, Group Theory, Contemporary Astrophysics, Magnetofluids and Space Plasmas, as well as a major research project.

Study abroad
You may apply to study abroad under the University’s St Andrews Abroad programme. See page 46.

In addition, the Robert T Jones Trust currently funds one year of postgraduate Masters study at the prestigious Georgia Institute of Technology (Atlanta) for a selected person graduating from our School.

Typical class sizes and teaching information

First and Second Year: lectures 20 - 120, tutorials 4 - 8
Honours: lectures 5 - 80, third year tutorials 5 - 9

Laboratory work is usually undertaken in pairs in first year, individually in second year, and as a mixture of individual and pair/team work in the Honours labs.

In first year you will typically have Physics 1A or 1B as one third of your workload in a semester. In these modules you typically have four lectures a week, one problem-solving workshop, one small group (~7 students) tutorial, and 2.5 hours in the teaching laboratory. In second year you typically have Physics 2A or 2B as one half of your workload. In these modules you typically have five lectures a week, one problem-solving workshop, one small group (~5 students) tutorial, and 2.5 hours in the teaching laboratory. In the Honours years you typically have three lectures a week for each 15-credit lecture-based module. Laboratory modules take two afternoons a week for students on Physics and Astrophysics programmes. The final year projects last for a semester, full time for most MPhys students and 20 hours a week for most BSc students.
Typical methods of assessment
At 1000 and 2000 level, modules are assessed by at least 50% written examinations and a mixture of coursework (including laboratory work). At Honours level the assessment depends on the nature of the specific module.

Scholarships
There are several scholarships for students taking part in the Gateway and International Gateway programmes. There are also various scholarships available from the University that all students may apply for, see: www.st-andrews.ac.uk/physics/pandaweb/admiss/bursaries

Programme-specific fees
There are no additional fees for labs and the like in the School. Most students in the Transferable Skills for Physicists module are expected to attend the Burn Conference, and are asked to make a contribution (currently £30) towards the costs of the weekend away. In line with University policy, the School expects its students to purchase a number of textbooks as part of their study.

Careers
Graduates in any of these disciplines enjoy a wide range of career options, including research and development in industry and in Government agencies. Many find employment in fields not directly related to their degree subject, e.g. computing, software development, meteorology, biophysics, geophysics, banking and commerce, where their problem-solving skills and numeracy are in demand. Our School webpages include a number of ‘graduate profiles’ showing our graduates working as an investment manager in Brisbane, a photonics researcher in Japan, an “engineer in charge” on the fusion project JET, a physics teacher in Mallaig, a patent lawyer in London, and an accountant in Edinburgh. Other graduates are working in high-tech companies in the USA and UK, some have started up their own businesses in science and technology, and some are in the university sector doing research and teaching. Others carry out postgraduate research here, especially as the University offers a Recent Graduate Discount. For more information:

See also page 36 for details of the University’s Careers Centre.
Degree options in the Faculty of Science or Faculty of Arts

MA or BSc (Single Honours Degree)
Psychology

BSc (Single Honours Degree)
Neuroscience (with School of Biology)

Joint Honours Degrees
Psychology and one of:
Art History (MA)
Biology (BSc)
Computer Science (BSc)
Economics (BSc or MA)
English (MA)
Film Studies (MA)
French (MA)
Geography (MA)
German (MA)
International Relations (MA)

“With” Degrees
Honours in which the majority of the course deals with the first-named subject:
Psychology with Biology (BSc)
Psychology with Geography (MA)

Entrance Requirements

Obtaining the following grades will not guarantee you a place as we consider all aspects of every application, including the Personal Statement.

Psychology and Neuroscience
SQA Highers: AAAB**
GCE A-Levels: AAB***
International Baccalaureate Points: 35#

** For BSc Psychology degrees – at least two Highers or one A-Level must include Mathematics, Biology, Chemistry, Computing Science or equivalent, Geography, Geology, Physics, Psychology.

# For the BSc Neuroscience degree – qualifications must include at least two of Biology, Chemistry, Mathematics and Physics.

For full Faculty Entrance Requirements, see page 53.

For degrees combining more than one subject, the subject with the higher Entrance Requirements determines the grades you need. You will also need to meet any further subject-specific Entrance Requirements as outlined on their pages.

For further country-specific qualifications and pre-degree foundation programmes see:
www.st-andrews.ac.uk/psychology

Do I need previous knowledge of this subject? – No

Subject enquiries

Psychology: Dr James Ainge
E: psych-admissions@st-andrews.ac.uk
Neuroscience: Dr Wenchang Li
E: neuro-admissions@st-andrews.ac.uk

Features

* An opportunity to conduct your own research project in well-equipped laboratories under the supervision of leading authorities in the field.

* The opportunity to specialise in areas of interest in the final year and to be taught in small specialist seminars.

* Psychology achieved a strong research performance in the UK Research Excellence Framework 2014.

BSc or MA?
Psychology can be taken by those who have specialised at school in arts or science subjects. As such, the degree is offered as both an MA in the Faculty of Arts, and a BSc in the Faculty of Science. The Psychology components of your degree are the same regardless of whether you take an MA or BSc in Psychology. The difference is in the other subjects you study in your first and second year. If your background is scientific choose the BSc (see page 5) otherwise, choose the MA.

What will I study?

Psychology
We introduce you to the latest ideas in the field of psychology. In the first three years the course is very broadly based. You are introduced to the full range of areas that are studied by psychologists. This provides a firm foundation in the subject and allows you to make choices in the final year amongst the advanced modules that are on offer.

However the course is not just about listening to other people’s ideas. It is also about learning to do research yourself. There is a strong emphasis on practical classes and on learning research techniques right from the start. In the final year you have the opportunity to carry out your own research project on a topic of your choice under the individual supervision of a staff member – all of whom are active researchers, many at the forefront of their field. Their research has made significant contributions to the development of psychology as an academic discipline, and has delivered tangible benefits to society.

The1000-level modules give a general introduction to psychology. A pass can lead on to the 2000-level modules in which topics from the 1000 level are built on and expanded in greater depth, combined with an introduction to new areas of psychology. By the end of the second year everyone will have the grounding for the more advanced Honours Psychology programmes, regardless of entry route. Honours entry is dependent on performance in the second year.

Return to Subjects
“Getting to know different areas of psychology before choosing your favourites to immerse yourself in is great. Lecturers who are extremely passionate about their research make this experience even better, so that I had difficulty deciding which modules to choose. Their enthusiasm also offers early opportunities to get involved in scientific research. As School President, I was impressed by the School’s commitment to teaching excellence and its willingness to shape the learning experience together with its students.”

Maria (Düsseldorf, Germany)

Indicative programme information for Psychology

First Year MA and BSc (2 x 20-credit modules required)
Four lectures and a two-hour practical per week. These cover an introduction to psychology including areas such as the Biological Bases of Behaviour, Cognition, Development, Social Behaviour and Individual Differences in Behaviour. They also provide a methodology programme which integrates the practical classes with instruction in research design and statistics.

Second Year MA and BSc (2 x 30-credit modules required)
Four lectures and a three-hour practical per week, plus small group tutorials. These provide a more developed treatment of the problems and methods of psychology, covering such topics as Social Psychology, Abnormal Psychology, Physiological Psychology, Cognitive Neuroscience and Perception. The methodology programme also continues through the second year.

Honours – Third and Fourth Years
(Single Honours – full time – 60 credits per semester)
Lecture hours vary, with an increasing emphasis on library and project research. At Junior Honours, modules provide an advanced grounding in the core areas of psychology, including Perception, Cognition, Social Psychology, and Evolutionary and Comparative Psychology and Developmental Psychology. There are also the modules Research Design and Analysis 1 & 2 and a supervised literature review on a topic of your choice. In the Senior Honours year, you choose from a wide range of specialist modules, on topics such as Psychology of Dementia, Psychology of Terrorism, Psychopathology, Psychology of Visual Art, Cognitive Psychology and the Emotional Disorders or Psychology of Music. You also write a dissertation and undertake a research project in an area of your choice.

Neuroscience
This programme is taught jointly by the School of Psychology & Neuroscience and the School of Biology. It explores the interface between psychology and neurobiology paralleling the strength of our research activities in this exciting area. Honours topics cover molecular, cellular and physiological processes, cellular and applied neurobiology, pharmacology and neurochemistry. Honours modules also cover cognitive and behavioural neuroscience, clinical neuroscience and neural modelling. A final research project is available in either School.

Study abroad
You may apply to study abroad under the University’s St Andrews Abroad programme. See page 46.

Typical class sizes and teaching information
Class sizes vary from year to year but typical sizes based on the previous year are as follows:
First Year: lectures 250 - 350, labs 40 - 60
Second Year: lectures 140 - 220, labs 40 - 60, tutorials 6 - 8
Junior Honours: lectures 70 - 120, labs 70, individual supervision for literature review
Senior Honours: classes 10 - 50

Neuroscience module classes are 30 - 60 in Junior Honours and 5 - 20 in Senior Honours.

Students also carry out a research project where they receive individual supervision.

The degree programmes are taught using a wide variety of methods, including traditional lectures, seminars, practicals, tutorials and individual supervision. At Honours much of the teaching is in small groups and there is a considerable amount of one-on-one contact with staff. There is a general emphasis on active learning, with students having the opportunity to ask questions, participate in discussions and debate issues.

Typical methods of assessment
1000- and 2000-level modules are assessed by 25% coursework and 75% multiple choice questions or written examinations. At Honours level the nature of assessment depends on the individual module, some are assessed entirely by coursework, or by examinations or by a mixture of the two.

Professional exemptions and accreditation
The Single Honours degree and the “With” degrees are recognised by the British Psychological Society as conferring the basis for graduate registration. That is, they are a qualification for undertaking training in various areas of professional psychology including clinical psychology and educational psychology. It should be noted that both the BSc and the MA degree are acceptable qualifications for all postgraduate courses in psychology including clinical psychology. Postgraduate courses in psychology are usually very competitive and if you plan to become a professional psychologist the Single Honours degree is recommended. However, subject to taking the necessary Honours components, Joint Honours degrees may also gain BPS recognition.

Careers
There are a number of professions directly linked to a Psychology degree such as Clinical Psychology, Educational Psychology, Industrial Psychology and Forensic Psychology. It is also associated with jobs in the welfare area and in personnel. More generally, a good Honours degree in Psychology can give direct entry into management training and civil service posts. Recent graduates have secured positions in the health service, speech therapy and banking. For more information: http://bit.ly/sta-psychology-careers

See also page 36 for details of the University’s Careers Centre.
**Russian**

*See also Modern Languages page 130*

*Degrees all available With or Without Integrated Year Abroad*

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### Degree options in the Faculty of Arts

| **MA (Single Honours Degree)** | Russian |
| **MA (Joint Honours Degrees)** | Russian and one of: |
| Arabic | Mathematics |
| Art History | Mediaeval History |
| Comparative Literature | Middle East Studies |
| Economics | Modern History |
| English\(^a\) | Persian |
| Film Studies | Philosophy |
| French | Scottish History |
| German | Social Anthropology |
| International Relations | Spanish |
| Italian | Theological Studies |
| Latin |  |

**MA (Honours Degrees) in**

- Russian and two of Arabic, French, German, Italian, Persian, Spanish
- Russian and (one of Arabic, French, German, Italian, Spanish) and Comparative Literature
- Modern Languages (Russian\(^{NR}\) and (one of Arabic, French, German\(^{G}\), Italian, Persian, Spanish)) and one of English\(^{E}\), International Relations, Latin\(^{B}\), Management\(^{G}\)\(^{NR}\)
- Modern Languages (Russian and (one of Arabic, French, Italian, Persian, Spanish\(^{S}\))) and Classical Studies\(^{S}\)

\(^E\) Where first-level Russian modules clash with EN1003 and/or EN1004 then CO1001 and/or CO1002 should be taken instead.

\(^{NR}\) Russian-Management combinations are not possible due to timetable clash.

\(^B\) German-Latin combinations are not available due to a timetable clash.

\(^{G}\) German-Management combinations are only available to non-beginners in German.

\(^{S}\) Classical Studies-Spanish combinations are not available due to a timetable clash.

**MA "With" Degrees**

*Honours in which the majority of the course deals with the first-named subject:*

- Economics with Russian
- Mathematics with Russian
- Russian with Geography

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### Entrance Requirements

Obtaining the following grades will not guarantee you a place as we consider all aspects of every application, including the Personal Statement.

**SQA Highers:** AAAB

**GCE A-Levels:** AAB

**International Baccalaureate Points:** 36

For full Faculty Entrance Requirements, see page 53.

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### Features

- Start your study of Russian as an absolute beginner, or continue your studies from school.
- Take Russian either as Single Honours, or in combination with one or two other subjects.
- Acquire advanced skills in spoken and written Russian, for a variety of contexts.
- Choose from a wide range of modules in Russian language, literature and cultural history.
- Develop language and other skills through a prolonged stay in Russia on a study placement.
- Study in an intimate and friendly environment, in small groups taught by research-active staff.

### Facilities and resources

The School has a Multimedia Centre with the latest electronic technology to enhance the learning and practice of oral and aural skills.

The Department enjoys an excellent reputation nationally, consistently being ranked amongst the top departments of Russian in the UK. It has a proven track record of excellence in teaching and combines this with internationally recognised research in a range of fields. We are extremely proud of the calibre of our graduates who are sought out each year by a wide range of employers, including law firms, financial institutions and NGOs, or who go on to further study.

### What will I study?

At the core of our curriculum lie modules dedicated to a sound knowledge of the language. The majority of our graduates begin their study of Russian here with no prior knowledge of the language. Students who already have a suitable pre-university qualification in Russian (e.g. A-Level, Scottish Higher, IB) follow

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*Return to Subjects*
“The Russian Department keep things challenging and interesting; I have gained so much experience and made friends from all over the world. I also had the opportunity to spend time studying abroad at St Petersburg State University. I really enjoyed being able to build upon the Russian skills I’d learnt in St Andrews with native speakers.”

Caitlin (Renfrew, Scotland)

a separate language course for the first two years. All of our language modules aim to combine modern ‘communicative’ methods with sound grammatical accuracy and a high level of oral aptitude. These language modules are supplemented by a wide range of modules dedicated to literature, film, cultural history and contemporary Russian society. The aim of such modules is to allow you a deeper and more diverse understanding and appreciation of different aspects of Russian culture. At the same time you will develop the ability to analyse and discuss critically, to present a reasoned argument and to use online resources in Russian. The building of a high level of competence in language skills is a priority in all modules, and you will be expected to write using correct spelling, grammar, and punctuation in both Russian and English. A recommended part of the programme is the period spent in Russia studying at a university or language institute. Stays abroad can range in length from six weeks to a full academic year and can be combined with residence in a Russian home to maximise exposure to Russian language and life.

Indicative programme information

First Year (2 x 20-credit modules required)
We have modules designed to cater for students with no prior knowledge of the language as well as modules for those who have a school qualification. None of our modules are designed for native or heritage speakers of Russian.

Second Year (at least 40 credits overall required)
The distinction between beginners and non-beginners is maintained, with separate sets of modules depending on previous experience. Many students will supplement their study of the language with modules focusing on literature and culture.

Honours – Third and Fourth Years
(4 x 15-credit core modules required and at least 4 other 15-credit modules required over 2 years)
Many students go to Russia for a year after second year, or for a semester in the second half of their Junior Honours year. In Senior Honours all students come together for the final lap of the language curriculum.

Apart from the core language modules, at Honours you may choose from a variety of Russian modules in literature, film or cultural history, in order to complete the required number and spread of credits. Students may also opt to write a dissertation in their Senior Honours year under the guidance of one of our research-active staff.

Modules currently available, but subject to change (see information on Curriculum development, page 7), include or cover aspects of:

- Russia’s Literary Easts
- The Nineteenth-century Russian Novel
- The Fantastic in Nineteenth-Century Russian Literature
- Russian Crime Fiction
- Soviet Culture Under Stalin
- The City in Soviet and Russian Cinema
- Russian Modernist Fiction: 1900-1940
- Issues in Russian Cultural Memory
- Russian ‘Village Prose’: 1953-1980

Study abroad
Honours degrees With Integrated Year Abroad (WIYA) in Russia involve residence there for the academic session between second and third years. If you take the four-year degree instead, you may apply to go to Russia for the second semester of third year. In each case, you are placed on a university language course. All arrangements are made with considerable help, advice, and support from the Russian Department. For options available during your intended period of study, see:

www.st-andrews.ac.uk/studyabroad/outgoingstudents

For further information about eligibility, the application and selection process, and costs involved, please see:

www.st-andrews.ac.uk/studyabroad

You may also apply to study abroad under the University’s St Andrews Abroad programme. See page 46.

Typical class sizes and teaching information

Language teaching: 5 - 20

First Year: lectures 40 - 60, tutorials 10 - 15
Second Year: 15 - 30
Honours: language classes 5 - 15, seminars 5 - 12

Russian language teaching is conducted in classes of between five and twenty students with small groups for conversation classes. Literature and culture classes follow a seminar format.

Typical methods of assessment
At all levels the assessment pattern varies depending on the individual module, but coursework is always significant with all module grades based on at least 40% coursework.

Careers

Russia’s political and economic significance in the world means ever-multiplying career prospects for those who can communicate in Russian. Graduates have gone into the British Foreign Office, the Civil Service, journalism, law, teaching, the armed services, accountancy, and management consultancy. Others work as educators in Russia and Eastern Europe or pursue graduate study. For more information:


See also page 36 for details of the University’s Careers Centre.
Social Anthropology

Degree options in the Faculty of Arts

**MA (Single Honours Degree)**
Social Anthropology

**MA (Joint Honours Degrees)**
Social Anthropology and one of:
- Ancient History
- Ancient History & Archaeology
- Arabic
- Art History
- Classical Studies
- Classics
- Comparative Literature
- Economics
- English
- Film Studies
- French
- Geography
- German
- Greek
- International Relations
- Italian
- Latin
- Mediaeval History
- Middle East Studies
- Modern History
- Philosophy
- Psychology
- Russian
- Scottish History
- Spanish
- Theological Studies

- Available With Integrated Year Abroad – see Modern Languages.
- Timetable clash exists, this combination does not follow the standard pathway. Contact the School of History for more information.

**MA “With” Degrees**
Honours in which the majority of the course deals with the first-named subject:
- Economics with Social Anthropology
- Geography with Social Anthropology
- Social Anthropology with Geography

**Entrance Requirements**

Obtaining the following grades will not guarantee you a place as we consider all aspects of every application, including the Personal Statement.

**SQA Highers:** AABB

**GCE A-Levels:** AAB

**International Baccalaureate Points:** 35

For full Faculty Entrance Requirements, see page 53.

For degrees combining more than one subject, the subject with the higher Entrance Requirements determines the grades you need. You will also need to meet any further subject-specific Entrance Requirements as outlined on their pages.

For further country-specific qualifications and pre-degree foundation programmes see:

[www.st-andrews.ac.uk/study/international](http://www.st-andrews.ac.uk/study/international)

**Do I need previous knowledge of this subject?** – No.

**Subject enquiries**

E: socanthadmin@st-andrews.ac.uk

**Features**

* In its report for 2014 the National Student Survey ranked us the best department of Social Anthropology in the UK with a student satisfaction rating of 100% for our teaching.
* 1000-level modules focus on topics of popular interest, such as economic development and the relationship between human society and its environment. Non-Western societies conceptualise these topics in a radically different manner from Western society.
* 2000-level modules provide a thorough grounding in the discipline and – unique to St Andrews – the opportunity to conduct an ‘ethnographic encounters’ fieldwork project.
* Honours modules allow for the exploration of a variety of important anthropological themes in depth.
* Teaching at all levels is informed by the research interests and accomplishments of lecturing staff.

**Facilities and resources**

The Department has grown over recent years and has built on its particular strengths in the study of societies of the Pacific, South America, the Caribbean, Europe and Africa. It has increased its visual anthropology teaching and has a very strong reputation for its work on the anthropology of the arts. Most recently, the Centre for Pacific Studies has been awarded major funding to assess the effects of climate change on island communities in Oceania. As a research-led teaching department all these developments will feed into your experience of learning and studying in the department.

**Current staff specialisations**

There is a very strong interest in Amazonian and Andean anthropology in the Department, although other staff specialisations include the anthropology of West and East Africa and Melanesian anthropology, particularly Papua New Guinea. Visual anthropology is a significant new development here and staff have further regional interests in the Caribbean. We have a very strong presence in the anthropology of Europe.

The Department has three research centres: Centre for Amerindian, Latin American and Caribbean Studies, the Centre for Pacific Studies and the Centre for Cosmopolitan Studies, which has a well-established record of research and publication on cosmopolitan ideas and practices, sponsoring numerous conferences and other events.

**What will I study?**

Social anthropologists explore human social organisations and customs from a comparative cross-cultural perspective, we focus on the experience of groups and individuals in different socio-cultural settings. Social Anthropology at St Andrews deals with the full variety of human contexts, although a chief focus is still on societies beyond Europe and North America. The Department concentrates on the similarities and differences between pre-industrial and industrial societies, and is very much concerned with change in our contemporary world. Anthropology
“I was thrilled to discover Social Anthropology in my first year. I love to study different types of people and different ways of perceiving the world. Social Anthropology has given me the indispensable tools to understand the intricacies of the human experience. I am so proud and privileged to be a student here and hope to continue my love for anthropology beyond graduation as a humanitarian photographer.”

Emma (Kansas City, Missouri, USA)

at St Andrews has a distinctive orientation that combines interpretative, experiential, philosophical, and historical research that is politically engaged, reflexive and critically aware. The Department is very highly rated in national subject surveys, for example in the UK’s Complete University Guide it has been ranked in the top five every year since 2011.

Indicative programme information

First Year (2 x 20-credit modules required)
You are introduced to the variety of societies that anthropologists study and to some key theoretical approaches. The first module concentrates on the increasing relevance of anthropology to issues in the contemporary world whilst the second focuses on the cultural aspects of social life such as cosmology, ritual and language – including our own.

Second Year (2 x 20 credit modules required)
You are presented with the variety of national perspectives for the study of human social life, including the theories of Durkheim, Malinowski, Evans-Pritchard, Lévi-Strauss and Geertz, and to all the basic concepts necessary to pursue anthropological enquiry. One module concentrates on the history of the discipline, and another module – a St Andrews innovation – especially focuses on how to do anthropology and includes an opportunity for you to conduct your own ‘ethnographic encounters’ mini-fieldwork projects.

Honours – Third and Fourth Years
We look in detail at selected areas of social anthropology, and provide a combination of key disciplinary and optional modules in recognition of divergent student interests by this stage. You will take modules in anthropological theory and research methods in your Junior Honours year. These modules are particularly important as preparation for the dissertation which is completed in Senior Honours. You also choose modules of particular interest from a range of options offered each year, which explore societies in certain regions of the world, such as Latin America, The Pacific, Britain and West Africa or focus on specialist topics, such as Visual Anthropology, Language and Culture, Anthropology and History, Sex and Gender, and Indigenous Peoples and Resource Extraction.

Study abroad
As a student of Social Anthropology, you may apply to participate in our Erasmus+ exchanges. In 2016 - 2017 this is with the University of Copenhagen and the University of Stockholm, both of which offer a range of courses taught in English. For options available during your intended period of study, see: www.st-andrews.ac.uk/studyabroad/outgoingstudents

For further information about eligibility, the application and selection process, and costs involved; please see: www.st-andrews.ac.uk/studyabroad

You may also apply to study abroad under the University’s St Andrews Abroad programme. See page 46.

Typical class sizes and teaching information

First Year: lectures 250, tutorials 10 - 12
Second Year: lectures 100, tutorials 10 - 12
Honours: class sizes are capped at 30, and are usually considerably smaller

In first and second years, classes meet four times per week in a programme of lectures, tutorials, workshops and the showing of ethnographic films. Tutorial groups meet once a week to discuss prepared reading. In all years assessment is through essays, project work and examinations, and makes use of a diversity of assessment methods such as take-home exams, student diaries and creative writing. In Honours instruction is predominantly through seminars which combine elements of lectures, films, presentations and discussions. You progress through a planned programme which draws on a variety of module options. A student doing Single Honours can expect to attend seminars, lectures and tutorials for at least six hours each week. An important component of Honours is the writing of a supervised dissertation where you can independently explore a theme of your own choice, which can include fieldwork in a selected community.

Typical methods of assessment
At all levels, at least 40% of the grade is based on coursework. The balance is made up of either further coursework or examinations, depending on the individual module.

Scholarships
Junior Honours students in Social Anthropology can apply for a Ladislav Holy Memorial Scholarship, around three of which are awarded each year. These contribute towards travel and subsistence costs relating to anthropological fieldwork in the summer vacation between the Junior and Senior Honours years.

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 in Britain. Students with degrees in Social Anthropology have also proceeded to a wide range of careers, including the diplomatic service, social work, law and business. Any occupation that requires a sensitivity to different ways of life, or which demands the manipulation of theoretical ideas and detailed empirical data, benefits from the study of Social Anthropology. For further information: http://bit.ly/sta-socanth-careers

See also page 36 for details of the University’s Careers Centre.
Spanish

See also Modern Languages page 130

Degrees all available With or Without Integrated Year Abroad

Degree options in the Faculty of Arts

MA (Single Honours Degree)
Spanish

MA (Joint Honours Degrees)
Spanish and one of:
- Ancient History
- Arabic
- Art History
- Classics
- Comparative Literature
- Economics
- English
- Film Studies
- French
- Geography
- History

MA (Honours Degrees) in

- Spanish and two of French, German, Italian, Persian, Russian
- Spanish and (one of French, German, Italian, Russian) and Comparative Literature
- Modern Languages (Spanish and (one of French, German, Italian, Russian) and one of Ancient History, Art History, Classics, Comparative Literature, Economics, English, Film Studies, French, Geography, History)
- Mediaeval Studies

MA “With” Degrees
Honours in which the majority of the course deals with the first-named subject:
- Economics with Spanish
- Geography with Spanish
- Mathematics with Spanish
- Spanish with Geography

Entrance Requirements

Obtaining the following grades will not guarantee you a place as we consider all aspects of every application, including the Personal Statement.

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

For full Faculty Entrance Requirements, see page 53.

For degrees combining more than one subject, the subject with the higher Entrance Requirements determines the grades you need. You will also need to meet any further subject-specific Entrance Requirements as outlined on their pages.

For further country-specific qualifications and pre-degree foundation programmes see: www.st-andrews.ac.uk/study/international

Do I need previous knowledge of this subject? – No.

Subject enquiries

Dr Catherine O’Leary
E: spanishhod@st-andrews.ac.uk

Features

- Degree programmes that engage with the language, culture and history of 21 countries.
- A wide range of topics, from the early modern period to the twenty-first century.
- A lively and communicative approach to language teaching.
- A team of high-profile, skilled and research-active academics, with specialised language teachers.
- A friendly and dynamic learning environment with an active Student Hispanic Society.
- Spanish was ranked top in Scotland and fourth in the UK in the Complete University Guide 2016 (Iberian Languages).

Facilities and resources

The School has a Multimedia Centre with the latest electronic technology to enhance the learning and practice of oral and aural skills.

What will I study?

Spanish at St Andrews is taught as a world language and offers a broad and diversified experience in a structured degree programme. Together with the many transferable skills acquired the degree will open many professional doors not limited to the Hispanic world. The primary objective of all our courses is knowledge and precise usage of the language, as well as to develop intellectual and cultural competence and to acquire communicative skills which will be valuable in any career.

You will also gain the ability to analyse and discuss critically, to present a reasoned argument and to use Information Technology. The building of a high level of competence in language skills is a priority in all modules, and you will be expected to write using correct spelling, grammar and punctuation in both Spanish and English.

Spanish itself is studied in many contexts, including journalism, history, commerce and entertainment, in addition to the rich and interesting forms it takes in literature and cinema. Language
“Choosing to study Spanish is one of the best choices I’ve ever made. The Department is open, friendly and supportive, but also gives you the flexibility to focus on the areas of Spanish literature and history that interest you most. I had an incredible year abroad in Madrid and coming back to university could have been hard, but the Spanish Department kept lessons dynamic and interesting.”

Alison (Gourock, Inverclyde, Scotland)

is, after all, a social and historical phenomenon and literature is a sensitive and imaginative record of how meaning has been communicated throughout Spanish-speaking communities, both past and present. Our studies aim to explore the great continuities and shifts within Spanish and Spanish American culture, from its early beginnings to the Spain and Latin America of today.

Indicative programme information

First Year (2 x 20-credit modules required)
Students with no previous knowledge of the language are offered an intensive study of the language together with the study of three carefully chosen texts and one film. You are also introduced to a varied programme of language work. A satisfactory pass in Spanish for Beginners 1 and Spanish for Beginners 2 gives access to second year modules.

Students who have an SQA Higher pass or GCE A-Level or GCSE (or equivalent) take Spanish Language and Texts 1 and progress to Spanish Language and Texts 2 in the second semester. The work includes comprehension, formal grammatical study, written and spoken Spanish (with an emphasis on communicative skills); an introduction to literature and film.

Second Year (at least 2 modules required)
The language element represents a progression from first year, based on a wide variety of language exercises. Modules cater for former beginners’ special requirements. There are core modules on the nature and methodologies of literary analysis, expression and form in the theatre, novel, poetry, and definition of periods (for example Renaissance, Modernism) and areas using selected modern and mediaeval texts. Another module focuses on the development of language and communicative skills through the analysis of films from the Spanish-speaking world.

Students may apply to go either to Spain or Latin America for a year after second year – see Study abroad below.

Honours – Third and Fourth Years
(4 x 15-credit core language modules required and at least 8 other 15-credit modules required over 2 years)
In Honours we offer four consecutive and cumulative 15-credit language modules. There are a variety of additional Spanish optional modules in literature, language, linguistics, cinema and history which vary from year to year. In Senior Honours there is also a supervised dissertation on a topic of your personal interest, and the possibility to take a practical broadly-based Communication and Teaching module.

Study abroad
Students who spend a year or a semester abroad gain valuable experience for life as well as for study, enhancing their ability to compete effectively for employment after graduation. Spanish Honours degrees With Integrated Year Abroad (WIYA) involve residence in Spain or in Latin America for the academic session between second and third years. UK students may apply for teaching placements in schools abroad through the British Council’s Language Assistantship scheme. Alternatively, you may organise a work placement with the approval of the Department. You may instead apply to spend the third year of the degree course (Junior Honours) as an exchange student at one of our Erasmus+ partners in Spain or at the University of Montevideo. All of these opportunities are competitive and are subject to successful completion of modules. For further information about eligibility, the application and selection process, and costs involved, please see: www.st-andrews.ac.uk/studyabroad

You may also apply to study abroad under the University’s St Andrews Abroad programme. See page 46.

Typical class sizes and teaching information
First Year: lectures 70 - 90, seminars 12 - 15, language classes 12 - 15
Second Year: as above
Honours: lectures and seminars 10 - 20, language classes 12 - 15

Both Spanish language and literature are taught through a variety of lively and communicative methods all of which are student-centred and which encourage student participation. Our staff have designed most of the teaching materials. The literature component is taught through lectures and small seminar groups to establish a dialogue with the historical, political, and aesthetic preoccupations of the Spanish-speaking world.

Typical methods of assessment
All our modules are assessed by at least 40% coursework, with the balance of assessment made up either by further coursework, or written examinations, depending on the module.

Careers

Recent graduates have gone into areas such as teaching, journalism, law, international business, publishing and media, the civil service and NGOs. Many graduates pursue postgraduate study in languages and literatures, translation studies and teaching. Others study law, or information technology. For more information: http://bit.ly/sta-modlangs-careers

See also page 36 for details of the University’s Careers Centre.

Scholarships

Spanish prizes include:

- Colmenaros Prize for a first or second year student
- Alex Richardson Award for a second or third year summer project
- Douglas Gifford Latin American Travel Bursary by application.
- Alan Paterson Prize awarded to the most outstanding final year student in Spanish.
- Bernard Bentley Prize awarded to the best ab initio student in Spanish.
Sustainable Development

Degree options

BSc or MA (Single Honours Degree)
Sustainable Development

Contributing Schools
Biology; Chemistry; Computer Science; Geography & Geosciences; History; International Relations; Management; Mathematics & Statistics; Modern Languages; Philosophical, Anthropological & Film Studies; Psychology & Neuroscience.

[The BSc degree requires that at least 40 credits are gained in Science subjects in 1000- and 2000-level modules]

Entrance Requirements

Obtaining the following grades will not guarantee you a place as we consider all aspects of every application, including the Personal Statement.

First Year Entry
SQA Highers: AAB**
GCE A-Levels: AAA**
International Baccalaureate Points: 36

** For BSc degrees – at least two Highers or one A-Level must include Mathematics, Biology, Chemistry, Computing Science or equivalent, Geography, Geology, Physics, Psychology.

For further country-specific qualifications and pre-degree foundation programmes see: www.st-andrews.ac.uk/study/international

Do I need previous knowledge of this subject? – No.

Second Year Entry
Direct entry to second year may be possible for very well qualified applicants with an appropriate academic background. If you are interested in direct second-year entry then contact the Admissions Officer (see below) to discuss options.

If you are most interested in Arts subjects as partner subjects within Sustainable Development, then you should apply for the MA degree; if you are most interested in Science subjects, you should apply for the BSc degree.

Subject enquiries

Dr Charles Warren
Department of Geography & Sustainable Development
E: gg@st-andrews.ac.uk

Features

* Addresses pressing issues for humanity through critical interrogation of the concept of ‘sustainable development’.
* Employs an integrated and holistic approach spanning arts and sciences, drawing on many academic Schools (see list on left).
* A unique and highly interdisciplinary programme.
* Allows you to tailor your individual programmes of study through selection of partner subjects.
* Research-led degree orientated around problem solving, linking theoretical and practical aspects of sustainable development.
* Set of varied assignments and experiential learning that enhance employability.

The programme has close links with broader sustainability initiatives, offering scope for practical involvement.

Resources

Very few universities offer undergraduate degrees in Sustainable Development. Uniquely, our interdisciplinary programme draws on the combined expertise of many Schools across the University.

BSc or MA?
You can register for either a BSc or an MA degree in Sustainable Development (SD), depending on your interests and background. Because they are based in different Faculties, the range of other subjects available to you in the first two years is different. At each level of the degree there are specific SD modules which are supplemented by modules taught in the contributing Schools. To a considerable extent, therefore, you can construct a degree pathway of your choice, matching your interests, enthusiasms and aspirations.

What will I study?

Indicative programme information

First Year (2 x 20-credit modules required)
Our first year modules illustrate the breadth of issues involved in sustainable development, examine what this much-used term means and explore what its implications are. They explain how sustainable development has emerged as such a powerful idea, and examine different disciplinary perspectives on the issues that it should be addressing, as well as exploring the value of an interdisciplinary approach in tackling unsustainable practices. They also introduce underpinning ideas such as social justice, human well-being, intergenerational equity and environmental stewardship. The Semester 1 module, shared with Geography, adopts a global perspective in exploring the complex interrelationships between people and planet, and the implications (physical and socio-political) of humans becoming a force of nature.
“Sustainable Development has given me the opportunity to explore the numerous drivers of our world’s current socioeconomic and environmental issues. The beauty of the subject is that it introduces you to a wide variety of potential ‘out of the box’ solutions that encapsulate aspects from all disciplines across both Arts and Science Faculties. The modules offer a diversity of thought provoking assignments which I, for one, find tremendously stimulating.”

George (Limmasol, Cyprus)

Second Year (2 x 30-credit modules required)
The focus of the second year modules in Sustainable Development – Frameworks for Implementation and Tools for Action – is on the practicalities of how to move from unsustainable to sustainable pathways. A range of conceptual and practical approaches are explored, including traditional governance and regulation, the market-based mechanisms of environmental economics, behavioural change, community-based enablement, and the principles of conservation science. This programme also provides training in ‘the tools of the trade’ – the methods of gathering and analysing evidence so that problems can be understood and addressed.

Honours – Third and Fourth Years
(4 compulsory modules totalling 130 - 160 credits and the balance of credits chosen in consultation with an Adviser) At Honours level, you will choose from a range of modules from different Schools that allow you to pursue your specific interests and explore the practice of sustainability through field visits. You will undertake extensive training in research, including a residential field course where you will learn how to do research, explore a broad range of research methods, and gain statistical and qualitative analytical skills. Electives will allow you to deepen your analytical skills and to continue exploring your interests. Finally, the dissertation module allows you to combine your expertise from partner disciplines with an understanding of sustainable development in researching a topic of your choice, with structured support from an academic in an appropriate School.

Study abroad
You may apply to study abroad under the University’s St Andrews Abroad programme. See page 46.

Typical class sizes and teaching information
First Year: lectures 150 - 200, seminars 15 - 25, tutorials 8 - 12
Second Year: lectures 80 - 100, seminars 15 - 20, tutorials 8 - 10
Honours: 10 - 50, laboratories and seminars 10 - 50, tutorials 1 - 5, dissertation – individual supervision

Teaching is based on semester-length modules comprising lectures, tutorials/seminars, laboratory classes, field excursions, a range of assignments, investigations of case studies and research projects. Performance is measured by continuously assessed work, examinations and, at Honours, by an extended critical review essay and a research dissertation. You are encouraged throughout the programme to develop literacy and numeracy skills and to acquire appropriate IT and life skills.

Typical methods of assessment
All the specific SD modules are assessed by at least 50% coursework at sub-honours. The balance of the assessment is made up either of further coursework or written examinations depending on the specific module. At Honours levels, SD-specific modules are assessed by a variety of methods that include coursework and examinations. Assessment patterns of modules taken from contributing Schools vary.

Fieldwork support
The Department subsidises all required fieldwork, reducing the charged cost to <£50 in each of the first two years. The cost of the third year fieldtrip is around £300-500; students experiencing financial difficulties can apply to the Department’s Hardship Fund which may cover some or all of this cost. Students also have the opportunity to apply for Departmental scholarships.

Careers
St Andrews was one of the first universities to offer undergraduate degrees in Sustainable Development. Our graduates are highly literate and numerate, with a unique combination of skills acquired at a prestigious university. At a time when sustainable development is rising ever higher up the national and international agenda, and as businesses and organisations accept the need to adopt more sustainable practices, graduates with a degree in Sustainable Development are in strong demand. Career pathways are very varied, reflecting the breadth of the subject, but include central and local government, NGOs, teaching, conservation and other environmentally related areas, impact assessment, management, strategic planning and consultancy. Many will proceed to further training, acquiring applied skills in a sustainability-related area or undertaking postgraduate research. For more information: http://bit.ly/sta-susdev-careers

See also page 36 for details of the University’s Careers Centre.

Graduate comments:
“My role has been more about sustainability in its broadest sense (balancing social, environmental and economic factors). It is this latter understanding of SD, which I gained in great depth from the degree, which has allowed me to take this approach within Rydon.”

Catriona (graduated 2010)
Rydon Group (Sustainability Consultancy), Sustainability leader

“The degree gave me a great grounding in how to think critically, and a strong background in renewable energy systems. Most of all, the interdisciplinary nature of the degree gave me a broad outlook, which is important in my job – we deal with a huge range of technical, social, environmental and political issues whilst assisting community energy projects, so this was very useful.”

Jamie (graduated 2008)
Community Energy Scotland, Development Officer
Travelling to St Andrews

**Bus / Coach**

St Andrews bus station is very close to the centre of town. Timetables can be accessed from: www.travelinescotland.com

**Rail**

The nearest train station is Leuchars (5 miles from St Andrews) on the main line from London (King’s Cross) – Edinburgh – Aberdeen. Timetables and an online route planner can be found at www.travelinescotland.com

There are buses running regularly (every 15 minutes) from Leuchars train station into St Andrews. Taxis are also available at the station.

**Road**

See sketch map

(a) From south, cross Forth Road Bridge and proceed north along M90 to junction 3. Follow the A92 until just before Cupar, then join the A91 to St Andrews or on M90 continue to junction 8, then by A91 to St Andrews.

(b) From south-west, either go east along M8 to Forth Road Bridge and then by route (a), or by Clackmannanshire Bridge and A977 towards Kinross, joining M90 at junction 6 and exit at junction 8 as above.

(c) From north-west leave Perth on M90 to junction 9 then by A913 to Cupar and St Andrews.

(d) From north via Dundee, cross Tay Road Bridge on A92 and after 1 mile via A919 to Leuchars and A91 to St Andrews.

Specific driving directions can be obtained from: www.maps.google.co.uk

**Air**

The nearest airports are Edinburgh (EDI) and Dundee (DND). More information: www.skyscanner.net for flights and connections.

**Parking**

Free parking in St Andrews town centre is extremely limited, however metered parking is available.

**Overnight accommodation**

The Tourist Information Office has lists of approved accommodation in the area. They will be able to reserve accommodation for you as well as offering ideas of where to go, what to see and, of course, the best ways of getting there. There are plenty of hotels, guest houses and bed & breakfasts in the town/area to suit most tastes and budgets.

St Andrews Tourist Information Office
70 Market Street, St Andrews
T: +44 (0)1334 472021
E: standrews@visitscotland.com
W: www.standrews.co.uk

Outwith semester-time, you may be able to stay in University managed accommodation. For more information, contact Residential & Business Services
T: +44 (0)1334 462000
W: www.discoverstandrews.com