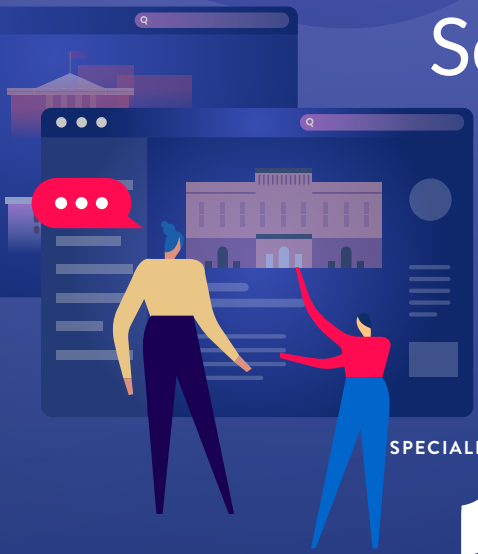
UK DEGREE APPLICATIONS MADE EASY

MABECS

QuickGuides

ALL YOU NEED TO KNOW ABOUT

Actuarial Science



SPECIALLY CURATED FOR YOU BY

MABECS
EST. 1985

BEFORE WE GO FURTHER…

Who is MABECS

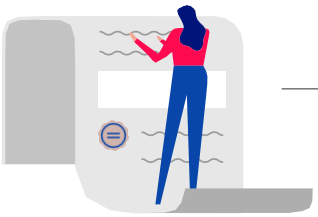
MABECS is Malaysia's most experienced advisory service on UK degrees. Our service is free of charge.

MABECS
UK EDUCATION SPECIALISTS
EST. 1985

To find out more about MABECS' history and services, turn to the inside back cover. To reach a MABECS Education Advisor, call WhatsApp us at +603-7956 7655 or email enquiries@mabecs.com

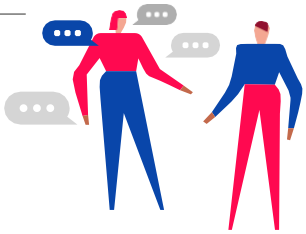
From enquiry to successful student placement, we take care of it **all.**

Advice & guidance
Find guidance on the right course and university including rankings, research ratings, entry requirements, and more.



Application
Our experienced UK education advisors will advise you on the required documents and relevant procedures. Note that the application method is different from the postgraduate level.

Test Preparation & Mock Interviews
We provide assistance for LNAT, BMAT, UCAT and others tests that might be required by UK universities. We also provide mock interviews for Medicine, Dentistry, Veterinary Science and Oxford & Cambridge.



Air tickets & accommodation
Yes, we also help to provide guidance from flight bookings, visa applications and suitable accommodations to stay in.

Study in the UK!

CONTENTS

Have a different set of questions about studying in the UK?

Call us* at 03-7956 7655 to reach us immediately, or email enquiries@mabecs.com if you're the shy type.

*Our Education Advisors have all been educated in the UK with over 10 years of experience in counselling. They help provide first-hand information on UK education as well as student life in the UK.

01

GET TO KNOW ACTUARIAL SCIENCE

Introduction

Actuaries make financial sense of the future. Actuaries deal with the evaluation and management of financial risks, particularly those associated with insurance companies and pension funds. Actuarial Science applies mathematical skills to a range of applied subjects and helps to solve important problems for governments, academic researchers, as well as insurance and commerce industries.

Purely actuarial work in an insurance company consists of placing values on future financed transactions and allowing for the probability of their happening, at various times. For example, an actuary will determine premium rates to be charged for many types of life and pension contracts, assess the adequacy of the accumulated assets to cover the company's liabilities to its policyholders and advise on the allocation of surplus in the form of bonuses to policyholders. In the course of this work, the actuary exercises judgment as to the appropriate rates of mortality and interest to be used in the calculations, taking into account associated factors such as taxation and other costs.

This does not mean that you can just sit quietly at the back of an office making calculations. Most actuaries work in a commercial environment and must also demonstrate communication skills and practical analysis of business problems.

Course Organisation

An honours degree in England, Wales and Northern Ireland is usually 3 years in duration. An honours degree in Scotland is 4 years in duration, although one is able to graduate at the end of Year 3 with a general or ordinary degree. Students with appropriate A level qualifications (or equivalent) may be able to enter (for some degree courses) Year 2 of a 4-year honours degree in Scotland.

Scottish 4-year programmes

Secondary Education in Scotland has a different and broader subject tradition from that in England (and Malaysia). As a result, honours degree programmes last a year longer allowing the first university year to be very broad indeed. That means that students can gain some exposure to many subjects totally new to them before making their final specialist choice after their second year. Entry to year two with very good A levels (or equivalent) is possible. So for example, Heriot-Watt University will allow second year entry, subject to obtaining the required grades.

Course Content

Examples of the core modules on an Actuarial Science degree programme are as follows (in addition to core modules, there will be elective modules, especially in Years 2 and 3). There will be differences from one degree to another – please check each course for more information on subjects for each year, mode of assessment, and more.

YEAR 1: CORE MODULES

- Applications of Information Technology
- Financial & Investment Mathematics
- Introduction to Actuarial Methods
- Introduction to Economics
- Mathematics for Actuarial Science
- Probability & Statistics 1

YEAR 2: CORE MODULES

- Actuarial Practicality
- Calculus & Linear Algebra
- Contingencies
- Finance & Financial Reporting
- Probability & Statistics 2
- Stochastic Models

YEAR 3: CORE MODULES

- Advanced Contingencies
- Final Year Project
- Statistics & Probabilistic Modelling for Insurance
- Survival Models

An important thing to remember is that a degree like this does not just give you exemptions. It should also give you a wide range of abilities which you can use for the rest of your life.

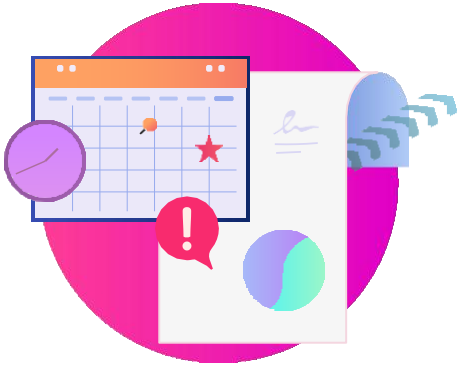
02

APPLYING FOR ACTUARIAL SCIENCE

How it works

Applications for undergraduate degrees for most of the UK universities go via UCAS. You will need to register and complete the UCAS form, with payment, by the set deadline. Colleges will usually set internal deadlines for their students. With the exception of Oxford and Cambridge, the UCAS deadline for competitive universities is January 14, 2026.

The final deadline to submit a UCAS application is June 30.



Course Codes & Fees

Name of University	Course Title & UCAS Code	Course Duration	Tuition fees (£) per academic year (2026)	Entry requirements	Remarks
City, Bayes Business School	BSc Actuarial Science G322 / G321 with placement	3 years, full-time 4 years with placement	£ 28,000	A Levels: A(Maths)AA IB: 35, 6 HL Maths & either 4 HL or 5 SL in English (Accepting both MAA and MAI Maths) STPM : A (Maths) AA, plus an English language qualification. UEC: A in 6 subjects including Mathematics plus an English language qualifiation	Accredited by Institute & Faculty of Actuaries Exemptions from 6 of the 7 core principles stage subjects Campus: Northampton Square Related courses: Data Analytics & Actuarial Science, Finance with Actuarial Science, Finance, Investment & Financial Risk Management
East Anglia	BSc Actuarial Science N324 / N323 with placement	3 years, full-time 4 years with placement	£ 24,250 £ 6,062 (Placement)	A Levels: A(Maths)AB IB: 33, 6 HL Maths *STPM / UEC/ SACE/ AUSMAT/ CIMP/ Foundation are accepted at case to case basis.	Accredited by Institute & Faculty of Actuaries Exemptions from 6 of the 7 core principles stage subjects Related courses: Mathematics, Computing Science, Business Information Systems, Computer Systems Engineering
Essex	BSc Actuarial Science N323 / N233	3 years, full-time 4 years with placement or year abroad	£ 22,600 20% of FT tuition fees (Placement)	A Levels: BBB - BBC (including Maths or Further Maths) IB: 30 – 29, 555-554 in HLs (5 HL Math (Accepting both MAA and MAI Maths) STPM: BBB (including Maths) UEC: Pass all subjects, with min. 5 subjects at B4 (including Maths)	Accredited by Institute & Faculty of Actuaries Exemptions from 6 of the 7 core principles stage subjects *Start date: Oct Campus: Colchester Related courses: Economics and Mathematics, Finance and Mathematics

Name of University	Course Title & UCAS Code	Course Duration	Tuition fees (£) per academic year (2026)	Entry requirements	Remarks
Heriot-Watt	BSc Actuarial Science GG13 / 5G5B	4 years, full-time 5 years with placement	£ 25,808	Year 1 A Levels: A(Maths)AB - AAA IB: 28, 6 HL Maths Year 2 A Levels: A(Maths)AA IB: 30, 7 HL Maths If you don't see your qualification here, contact MABECS	Accredited by Institute & Faculty of Actuaries Exemptions from 6 of the 7 core principles stage subjects Placement starts at Year 4 Campus: Edinburgh Related courses: Mathematical, Statistical & Actuarial Science
Kent	BSc Actuarial Science N323 / N324	3 years, full-time 4 years with placement	£ 23,500	A Levels: A(Maths)AB IB: 34, 6 HL Maths – MAA UEC: with grades of at least B3, B3, B3, B4, B4 STPM: considered as direct equivalents to A-Levels on a grade for grade basis	Accredited by Institute & Faculty of Actuaries Exemptions from 6 of the 7 core principles stage subjects Campus: Canterbury Related courses: Data Science, Mathematics, Accounting and Finance, Accounting and finance and Economics, Finance and Investment
Leeds	BSc Actuarial Mathematics NG31	3 years, full-time 4 years with placement or year abroad	£ 29,500 £ 4,425	A Levels: A(Maths)AA or A*A(Maths)B IB: 35, 6 HL Maths – MAA is preferred STPM: subject specific grades A-B UEC: subject specific grades A1-B3 Diplomas from a public university with a minimum 3.0 GPA will be considered on a case-by-case basis for first or second year entry; this depends on the degree course you are applying for	Accredited by Institute & Faculty of Actuaries Exemptions from 3 of the 7 core principles stage subjects Eligible to apply for exemptions Related courses: Accounting and Finance, Economics & Mathematics, Financial Mathematics, Mathematics, Mathematics & Statistics, Data Science

Name of University	Course Title & UCAS Code	Course Duration	Tuition fees (£) per academic year (2026)	Entry Requirements	Remarks
Leicester	BSc Mathematics & Actuarial Science GN1H MMaths Mathematics and Actuarial Science GN1G	3 years, full-time 4 years with placement	£ 25,100 3,765, 15% of FT tuition fees (Placement)	A Levels: AAB or ABB including Maths IB: 30, 5 HL Maths STPM: requirements are the same as UK A-Level grade requirement. UEC: AAAABB	Accredited by Institute & Faculty of Actuaries Exemptions from 6 of the 7 core principles stage subjects MMaths exemptions : CS1,CS2,CM1,CM2,CB1,CB2, CP1,CP2,CP3 Related courses: Financial Mathematics, Financial Economics and Banking
Liverpool	BSc Mathematics with Finance G1N3 / G1N4 BSc Actuarial Mathematics NG31 / NG30	3 years, full-time 4 years with year abroad	£ 29,500 £ 14,750 (applies to year in China)	A Levels: A(Mathematics)AB IB: 32, 6 HL Maths and no less than 4 or 655 in HL including 6 HL Maths	Accredited by Institute & Faculty of Actuaries Exemptions Maths with Finance – 3 of the 7 core principles stage subjects Actuarial Maths - 6 of the 7 core principles stage subjects *The 2+2 collaboration program with China uni Xi'an Jiatong has to apply through XJTLU's representative
LSE	BSc Actuarial Science N321 / N322	3 years, full-time 4 years with placement	£ 30,700 £ 6,140, 20% FT tuition fees (Placement)	A Levels: A(Maths)AA IB: 39, 766 HL including Maths STPM: A(Maths)AA Matriculation: GPA at least 3.65	Accredited by Institute & Faculty of Actuaries Exemptions from 6 of the 7 core principles stage subjects Campus: Houghton Street, London Applicants are encouraged to take TMUA. The test is not mandatory, however a good performance on the test may make an application more competitive. Applications/ Places/ Ratio 2022 461/ 81/ 6:1

Name of University	Course Title & UCAS Code	Course Duration	Tuition fees (£) per academic year (2026)	Entry Requirements	Remarks
Manchester	BSc Actuarial Science and Mathematics NG31	3 years, full-time 4 years with placement	£ 36,300 20% of FT tuition fees (Placement)	A Levels: A*(Maths)AA or A(Maths)AA Further maths is preferred but not essential. When the Further Maths A level is taken it will be included in the offer IB: 37, 766 HL including 7 in Maths	Accredited by Institute & Faculty of Actuaries Exemptions from 5 of the 7 core principles stage subjects Related courses: International Business, Finance and Economics, Mathematics with Finance, Mathematics with Financial mathematics Affiliate membership with Institute of Mathematics
Queen's Belfast	BSc Actuarial Science & Risk Management N323	4 years, full-time with placement (9-12 months)	£ 22,400	A Levels: A*(Maths)AA OR AAA (4th AS Subject) including Maths IB: 36, 666 HL including Maths UEC: A minimum of ABBBBB in six academic subjects and Grade A1 or A2 in relevant subjects will be considered. STPM: Considered comparable to A-Levels. Grades in 3 of the 5 subjects must meet our A-Level grade requirements (excluding General Studies & Malay Language) Matriculation: A minimum average GPS of 3.0 may be considered on case by case basis.	Accredited by Institute & Faculty of Actuaries Exemptions from 6 of the 7 core principles stage subjects Related courses: Finance, Mathematics with Finance *Placement year is compulsory for QUB. This begins after all Level 2 modules have been successfully completed. The dedicated placement office within the School facilitates students in sourcing and securing appropriate placements and provides appropriate support whilst the student is with the host organization. During placement, normally students are paid at least the minimum wages in Northern Ireland, which is around £14k – 21k per annum so it should be able to cover their living expenses as well.
Queen Mary	BSc Actuarial Science N323 / N32P / N32Y	3 years, full-time 4 years with placement or year abroad	£ 29,450	A Levels: A(Maths)AA IB: 36, 666 HL including Maths STPM: Can be consider for entry into most UG programmes (A-Level requirement) Matriculation : GPA at least 3.6 including 4 in relevant subject	Accredited by Institute & Faculty of Actuaries Exemptions from 6 of the 7 core principles stage subjects Related course: Finance, Mathematics with Finance and Accounting, Financial Mathematics, Economics and International Finance

Name of University	Course Title & UCAS Code	Course Duration	Tuition fees (£) per academic year (2026)	Entry Requirements	Remarks
Southampton	BSc Mathematics with Actuarial Science G1N3 BSc (Social Science) in Economics and Actuarial Science L1N3	3 years, full-time	£ 25,500	A Levels: A(Maths)AA or A(Maths)AB inc. STEP or A(Maths)ABB *If a STEP paper is taken alongside three A-Levels then the offer will be AAB including Mathematics (grade A). We accept either of the two STEP papers. IB: 36, 666 HL including Maths UEC: with 5As	Accredited by Institute & Faculty of Actuaries Exemptions from 6 of the 7 core principles stage subjects Campus: Highfield Related courses: Economics with Actuarial Science, Mathematics with Actuarial Science, Mathematics with Finance
Swansea	BSc Actuarial Science N323	3 years, full-time 4 years with placement	£ 21,250 20% of FT tuition fees (Placement)	A-Levels: ABB – BBC to include Maths. Applicants studying Further Maths will be issued a BBB offer IB: 32, 6 HL Maths	Accredited by Institute & Faculty of Actuaries Exemptions from 6 of the 7 core principles stage subjects Related courses: Mathematics, Mathematics for Finance, Pure Mathematics, Applied Mathematics, Mathematics and Sports and Exercise Science, Mathematics and Computer Science
York	BSc Actuarial Science NG31 / NG32	3 years, full-time 4 years with placement	£ 27,500 20% of FT tuition fees (Placement)	A Levels: A(Maths)AA IB: 36, 6 HL Maths	Accredited by Institute & Faculty of Actuaries Exemptions from 6 of the 7 core principles stage subjects Related courses: Accounting, Business Finance and Management, Finance, Operations Research, Management and Statistics

Name of University	Course Title & UCAS Code	Course Duration	Tuition fees (£) per academic year (2026)	Entry Requirements	Remarks
Warwick	BSc Mathematics and Statistics GG13 MORSE/ MMORSE GLN0	3 or 4 years, full-time	£ 35,530	A Levels: A*A*A to include A*A* in Maths and Further Maths Or A*AA to include A*A (in any order) in Maths and Further Maths and one of the following: • STEP (grade 2) • TMUA (score 5.0) • AEA (Distinction) Or A*A*A*A to include A*A (in any order) in Maths and Further Maths For applicants taking AS level Further Maths: A*A*Aa to include A* in Maths and a in AS Further Maths Or A*AA to include A* in Maths and one of the following: • STEP (grade 2) • TMUA (score 5.0) • AEA (Distinction) For applicants taking neither A level nor AS level Further Mathematics: A*A*A* to include A* in Mathematics Or A*AA to include A* in Mathematics and one of the following: • STEP (grade 2) • TMUA (score 5.0) • AEA (Distinction) IB: 39, 7 HL Maths MAA Or 38, 6 HL Maths MAA and one of the following: • STEP (grade 2) • TMUA (score 5.0) • AEA (Distinction) Or 39, 7 HL Maths MAI and one of the following: • STEP (grade 2) • TMUA (score 5.0) • AEA (Distinction)	Accredited by Institute & Faculty of Actuaries Exemption BSc MORSE – 4 of the 7 core principles stage subjects BSc Mathematics and Statistics - 4 of the 7 core principles stage subjects MMORSE - 6 of the 7 core principles stage subjects Related courses: Data Science, Discrete Mathematics, Mathematics, Mathematics and Statistics

Entry Requirements

The typical offer is shown for each course. This is indicated in terms of Grades or UCAS tariff points. Universities will require 'A' level for Mathematics or its equivalent e.g. Higher Level Mathematics for the IB.

Selectors' Attitude

Your UCAS application is always considered as a whole; taking into account your qualifications, experience, personal statement and reference.

Personal Statement

Applicants with enthusiasm for Mathematics and problem solving are encouraged to apply. It is important that you show evidence of this interest. You can usually do this by writing about books, magazines or journals that interest you, Maths competitions that you have participated in, and any related work experience. It is also important that you describe other interests including any non-Math related extracurricular activities.

UCAS has implemented a system called the UCAS Similarity Detection Service to verify the authenticity of Personal Statements. If significant amounts of similarities are detected and the Verification staff decides to flag a personal statement, the university and the applicant will be notified via email by UCAS.

03

LOOKING AHEAD

Career Path

Exemptions from Professional Exams

The IFoA Associate qualification is an internationally recognised designation qualification that demonstrates generalist ability and broad expertise in actuarial science. Achieving our Associate qualification will mean that you are recognised by employers and peers as a qualified actuary, committed to the highest standards of learning and professionalism. a. To qualify as an IFoA Associate you will need to pass or be awarded an exemption from all the following exams:

- Core Principles subjects (CS1-2, CM1-2 and CB1-3) either by examination or exemption
- Core Practices subjects (CP1, CP2 and CP3) either by examination or exemption b. In addition to your examinations, you need to complete the following:Have recorded a minimum of 24 months of practical work experience (referred to as Personal and Professional Development (PPD)) which is recorded annually.
- Stage 1 and stage 2 Professionalism Courses c. Once you achieve our Associate qualification you will have the opportunity to study further to become an IFoA Fellow. If you joined the IFoA after 2 January 2019 you will need to obtain Associateship qualification status before progressing to Fellow. You may sit any examination in any order, but you must qualify as an IFoA Associate first, followed by a minimum of an additional 12 months of PPD recording from the point of your Associate transfer to obtain Fellow status.

For more information, please referto:
https://www.actuaries.org.uk/studying/plan-my-study-route/fellowshipassociateship

The IFoA Fellowship qualification is an internationally recognised qualification that demonstrates the highest level of specialist knowledge in actuarial science. Achieving our Fellowship qualification will mean that you are recognised by employers and peers as having achieved the highest qualification in the field of actuarial science, demonstrating depth of specialist skills and expertise.

To qualify as an IFoA Fellow you will need to complete:

- IFoA Associate qualification*
- Two Specialist Principles (SP0, SP1, SP2, SP4, SP5, SP6, SP7, SP8, SP9, and SP10) subjects either by examination or exemption
- One Specialist Advanced (SA0, SA1, SA2, SA3, SA4, SA7 and SA10) subject by examination or dissertation
- A minimum of 36 months of practical work experience recorded in Personal and Professional Development.
- If you joined the IFoA on the 2 January 2019 you must achieve Associateship prior to applying for Fellow. Once you hold the Associate award: o You must record an additional year (12 months) of practical work experience recorded through Personal and Professional Development (PPD) totalling a minimum of (36 months). There must be a minimum recording period of 12 months from the date you transferred to Associate to the date you can apply to be a Fellow.
- You must ensure your annual requirement of work-experience recording is kept up to date.
- You must complete our Stage 2 online professionalism course within one year of transfer to Fellow (if not already undertaken for the Associateship qualification). *If you joined the IFoA on or after 2 January 2019.

For more information, please refer to:
https://www.actuaries.org.uk/studying/plan-my-study-route/fellowshipassociateship

Important change
Please note that the Institute and Faculty of Actuaries has launched a new curriculum in 2019. You may read more about it here: https://www.actuaries.org.uk/become-actuary/routes-qualifying/new-curriculum-2019

Where do most actuaries work in Malaysia?

The areas of work for actuaries are not limited to insurance firms only. Instead, the horizon for this line of job is very wide. Below are some of the areas of work which actuaries do:

- Life Insurance / FamilyTakaful
- General Insurance / GeneralTakaful
- Reinsurance / Retakaful
- Actuarial Consulting
- Investment and Financial Services
- Employee Benefit Industry (e.g. EPF)
- Government Sector (e.g. Bank Negara Malaysia)
- Colleges and Services

What are the career options availableto actuaries?

Actuaries have historicallytaken on the following positions in companies:

- Chief Executive Officer
- Chief Risk Officer
- Chief Financial Officer
- Appointed Actuary/Signing Actuary
- Asset/Investment Consultant
- Management Consultant

If all that information is making you feel overwhelmed, don't worry. You're not alone. Countless students have felt the same way and they've found it helpful to consult MABECS for their UK degree applications. For an overview of our services, check out the Inside Front Cover page.

Here is how your MABECS Education Advisor can help you in detail:

1 BEFORE APPLYING

MABECS provides detailed information on:

- UK universities' environment, fees, and facilities
- course structure, content and specialisation
- entry requirements and university standards
- specific university's research ratings and teaching quality assessments

We can also recommend suitable and relevant universities based on your academic results and preferences.

2 APPLICATION

MABECS provides detailed information on:

- undergraduate degree application explained from start to end
- personal guidance for your Personal Statement
- mock interviews
- monitoring the progress of your application
- providing advice at stages where important decisions need to be made
- being the intermediary (middle person) between you and universities if our assistance is required
- counselling sessions with visiting UK admissions tutors and university representatives
- IELTS registration with the British Council

3 PRE-DEPARTURE HELP

MABECS provides guidance on:

- visa applications
- accommodation arrangements
- flight bookings

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UK EDUCATION SPECIALISTS
EST. 1985

About Us

MABECS was set up in 1985 to assist students in Malaysia to find suitable places at universities in the United Kingdom.

Since 1985, students we have counselled have successfully enrolled in top UK universities – both at undergraduate and postgraduate levels.

Whether you're an individual student seeking counselling for your UK degree application, or an education institution hoping to achieve the same for your pre-university students, MABECS is here to help.

Visit our website at www.mabecs.com for a quick overview of how MABECS helps students from start to end of their UK degree application process. You'll also find many helpful articles on studying in the UK, including real student stories!

UK degree applications made easy

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Monday to Friday:
9:30am to 4:30pm

Saturdays, Sundays and public holidays: Closed

UK degree applications made easy.

We take care of everything in yourUK degree application with your cooperation - free of charge.

Student-centered

Our strong student-centered approach to counselling, means that we give students the fullest possible information on all available options, to help them make sensible decisions.

Free Consultation

Advice, information and assistance with applications, are given free of charge and our Education Advisors are always ready to sort out any problems that may arise, and to brief you on preparations for travel to the UK.

Accessible

Our friendly multi-racial, open-access office, can be easily reached by public transport, and no appointment is necessary to drop in and browse through the reference library, talk to an Education Advisor, or complete and send an application.

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