

情报检索服务

用最短的时间获得最有价值的资料!

留学申请的核心环节便是选择恰当的学校并提交所需文书材料。收费动辄 3-5 万的留学中介/代办机构也仅在这两方面给您重点帮助，并利用信息不对称的优势提供一些申请资料让您参考。

★如果信息来源是依靠一些中文的论坛资料或者过时的网页信息往往会误导您未来的判断。

★此外，通过搜索引擎输入关键字得到的网页信息结果也是良莠混杂，未受特别训练的检索员在检索资料时也不一定能及时浏览到最新和权威的信息页面。

现在，只需不多的投入，您便可通过特聘的外籍图书情报管理分析员，在 72 小时内，获得一份可回答您大多数问题的检索资料清单。服务的一个样本（1）可在右边一栏中下载到。样本中的使用者希望我们检索事实来回答他的疑问：（提问必须用英文，这里为了您的阅读方便，我们翻译如下）

“由于家庭关系，我只想申请去英国或者法国留学。我本科学的是统计学，所以打算读一个统计的硕士，但是应用数学我也很感兴趣。请帮我查询上述两国学校的这两个专业申请情况的一些资料，包括入学要求，并附上链接给我。另外，统计和应用数学在两国毕业后前景如何？最后，请顺便帮我查询下一般需要准备哪些考试？还有就是硕士毕业后在当地工作需要什么签证或者特别手续么？此外，可不可以直接读他们的博士？还是必须硕士毕业后才能读？还有就是如果有中国教授在我要申请的领域中，请提供几个名字。谢谢你们的检索员：-）”

在 72 小时后，我们的外籍检索员便给客户发回了和他问题相关的一份详尽的参考资料清单。

下面是局部的检索样本：

UNITED KINGDOM	University Name	Requirement for application to Phd Program
MS Statistics	London School of Economics and Political Science (www.lse.ac.uk)	Taught master's with large statistics content or equivalent experience
	University College London (www.ucl.ac.uk/)	A minimum of an upper second-class UK Honours degree, or a UK Master's degree in statistics, or an overseas qualification of an equivalent standard.
	University of Manchester (www.manchester.ac.uk/)	A good honours degree, or the overseas equivalent, in a relevant discipline from an approved university. Admission of candidates who do not meet this criterion may be approved if satisfactory evidence of postgraduate study, research or professional experience can be provided.
	University of Warwick (www2.warwick.ac.uk)	The normal entry requirement is at least an upper second class degree in a subject with a substantial mathematical content. Applicants should have a sound basic training in statistics through either a joint degree in mathematics and statistics, or a postgraduate course in statistics (such as the MSc in Statistics).
	University of Sheffield (www.shef.ac.uk)	-----
MS Applied Math	Imperial College London (www3.imperial.ac.uk/)	-----
	University of Birmingham (www.bham.ac.uk)	-----
	London School of Economics and Political Science (www.lse.ac.uk)	Taught master's degree in a relevant area, exceptionally an undergraduate degree in mathematics
	University of Bath (www.bath.ac.uk)	First or upper second class honours degree (or equivalent) in an appropriate subject.
	Coventry University (www.coventry.ac.uk)	-----
FRANCE	University Name	Requirement for application to Phd Program

MS Statistics	Ecole nationale de la statistique et de l'administration économique (ENSAE)	MA degree in Mathematics, Economics, and/or Engineering or Management
	Ecole Nationale de la Statistique et de l'Analyse de l'Information (ENSAI)	-----
	Institut de Statistique des Universités de Paris (ISUP)	-----
	Université Paris-Dauphine	-----
	University of Lyon (ISFA)	-----
MS Applied Math	Ecole Centrale Paris (www.ecp.fr/en)	
	Centrale Lyon (www.ec-lyon.fr)	-----
	Ecole nationale supérieure des Mines of Saint Etienne (www.emse.fr/en)	Standard admission procedure: in order to enroll for a Doctorate, the student must have received a Master of Science geared towards research (also known as Master Recherche in France).

Reputation of these majors in indicated schools

All universities (France and UK) listed here are listed in the top 400 universities in the world. The universities are ranked by several indicators of academic or research performance, including academic peer review, recruiter review, student faculty ratio, citations per faculty member, proportion of international faculty, and proportion of international students.

www.topuniversities.com/worlduniversityrankings/university_rankings_news/article/thes_qs_world_university_rankings_methodology/

Others:

Imperial College London:

- Lynda White, statistics lecturer in the Department of Mathematics, became Lecturer of the Year in the 2006 Science, Engineering and Technology Awards. Supported by industry, the awards recognise educational excellence and exceptional achievement by lecturers and students

- An Imperial mathematician has taken on the most prestigious role in UK statistics after being elected president of the Royal Statistical Society for the 2007-09 period

University of Warwick:

- Warwick Statistics Department is one of the strongest in the UK in research.
- Warwick's Department of Statistics is the only department to have obtained a rating of 5 or better for the quality of research work in all the national research appraisals, the most recent being a 5* rating in the 2001 RAE.

London School of Economics and Political Science

- Excellent opportunities for employment and further study. Former students have taken up positions in consulting firms, banks and in the public sector. Many go on to take higher degrees.
- The Department of Statistics has an international reputation for the development of statistical methodology which has grown from its long history of active contributions to research and teaching in statistics for the social sciences. Many LSE staff have made significant contributions to the development of statistics including A L Bowley, Professors Sir Roy Allen, Sir Maurice Kendall, J Durbin, Sir Claus Moser, D J Bartholomew, A C Harvey, P Hall and A C Atkinson.

www.lse.ac.uk/resources/graduateProspectus2008/departmentsInstitutesCentres/departmentOfStatistics.htm

Prospects of finding jobs after graduation

STATISTICS: Very Good

The vast amounts of data made available by today's information systems has led to an increased demand for experts capable of analyzing and interpret them. Statisticians play a crucial role in every industry, since they can build models, construct simulations, and process the data churned out by internal and external information systems.

A glance at the professional job advertisement pages will reveal the demand for numerate graduates exceeds the supply in most areas. Many new and exciting opportunities in industry, medicine, government, commerce or research await graduates who have rounded off their first degree with the special training in quantitative skills provided by the MSc in Statistics. Insurance companies are among the foremost users of statistics, but many other industries rely on the new techniques afforded by the development of data warehouses, data mining and the

Internet. The banking industry has also come to realize that finance experts originally trained in statistics are best equipped to estimate the prices of complex financial products or to advise investors on portfolio management issues.

www.internationalgraduate.net/statisticfrance.htm

www.ucl.ac.uk/Stats/prospective/msc.html

APPLIED MATH: **Very Good**

If you look at job ads online, you won't find many requests for applied mathematicians. That's because "applied mathematics" is not a profession in itself, but an education that can lead to many different professions. That can be a real advantage because as an applied math graduate you are not "typecast". Years after graduation, as the needs of the economy change, you will be able to use your education to quickly and efficiently retrain yourself for the new opportunities.

Applied Mathematics graduates find many different types of jobs because the skills of problem solving and critical thinking make them versatile and adaptable. These jobs typically involve research and development, software development or consulting, in areas such as: **Aerospace, Communications, Energy, Environment, Health and Medical Technology, and Mathematical Software.**

www.math.uwaterloo.ca/AM_Dept/careers/

Exams that need to be taken before applying

UK

You may have to take one of the following tests: International English Language Testing Service (IELTS) with score 6 or above depending on the course and institution; grade C in Cambridge Proficiency of English or Cambridge Advanced English; Test of English as a Foreign Language (TOEFL) with score 550 or above; NEAB University Entrance Test in English for speakers of other languages at Grade 3.

Special visa requirements for staying in France or UK for employment

France

- If the period of study is not more than six (6) months, the student will not:
 - have the right to work part-time while in France.
 - need go to the Prefecture of the city in which he plans to reside.

- If the student has been admitted to an institution of learning for a period of over six (6) months, then he will be
 - authorized to stay in France for one year and
 - issued a student's identification card (*Carte de séjour d'étudiant*). To obtain this card, upon arrival in France, it will be necessary to promptly go to the Prefecture of the city in which one plans to reside to obtain the student's identification card (*Carte de séjour d'étudiant*).

Students holding a "*Carte de séjour d'étudiant*" can under certain circumstances obtain a part-time work authorization ("*Authorisation provisoire de travail*"). Generally, part-time work is authorized during the school year and full time employment is possible during the summer vacation.

French law regulates work by international students of all nationalities in France. Students must not work more than 884 hours in a given year. During the academic year, they may work no more than 19.5 hours per week. During vacations, students may work full time (39 hours per week). International students wishing to work in France must obtain prior authorization from the French ministry of labour.

www.abroadeducation.com.np/study-in/france/
www.paris-law.com/visa/visas_student_04.htm

UK

Working While Studying

Some students will not be allowed to work at all in the UK, as they will have a 'prohibition on working' stamp in their passports and will usually be on courses of six months or less. All other students are free to work part-time (up to 20 hours a week) or full-time during vacations without having to obtain permission. However, remember that to meet UK immigration requirements, you must show that you can pay your course fees and living expenses without working in the UK. The only exception to this is where you have been accepted for a course at an

institution of higher or further education which itself offers you employment. It must guarantee this employment and provide details of how much you will earn. This will mainly apply to research students.

You may take part-time or holiday work but you must not:

- work for more than 20 hours per week during term time unless your placement is part of your studies, has the agreement of your education institution and leads to a degree or qualification awarded by a nationally recognised examining body
- do business, be selfemployed or provide services as a professional sportsperson or entertainer
- work fulltime in a permanent job

Working When Your Studies Have Ended

It is extremely difficult to get permission to work in the UK after you have completed your studies, although you may be allowed to do practical training for professional examinations, such as accountancy. If you are interested in gaining work experience in the UK, the best way to do this is through studying on a ‘sandwich course’, which involves spending time on a placement with a company as part of the course.

www.graduateshotline.com/suk2.html

www.imahal.com/education/uk/visa/list.htm

Chinese Professors in such majors

		Department/Academic Interest	Professor
UK	Imperial College London	Applied Mathematics and Mathematical Physics (Random Matrix Theory)	Yang Chen, PhD
		Applied Mathematics and Mathematical Physics (Fluid Mechanics)	Xuesong Wu, PhD
	London School of Economics and Political Science	Department of Statistics (Time series analysis; non-parametric regression; space time modelling; change point problems)	Prof. Qiwei Yao
		Department of Statistics (Algebraic statistics; search and optimisation; tube theory; Bayes	Prof. Howell Tong

		Nets and time series; industrial statistics; risk and decision)	
	Coventry University	Applied Mathematics Research Centre	Prof. Bo Zhang
	University of Birmingham	Applied Mathematics (computational fluid mechanics applied to free-surface flows)	Dr. Qianxi Wang