



University of Kentucky

Physics & Astronomy

pa.as.uky.edu

ABOUT THE UNIVERSITY OF KENTUCKY

The University of Kentucky is home to more than 70 nationally ranked programs, including more than 25 programs in the top 20. This major public research university consistently ranks among the top institutions for quality and value in the U.S. In addition, the University of Kentucky's diverse student population represents 117 countries, every state in the US, and every county in Kentucky.

PHYSICS & ASTRONOMY DEGREE

The Physics & Astronomy major is offered as a Bachelor of Arts or Bachelor of Science degree and is a place where students can observe, measure, interpret, and develop theories to explain celestial and physical phenomena using mathematics, and apply the knowledge gained to design and create new technologies. A physics education provides a unique way of looking at problems that many employers value and it's curriculum accommodates a wide range of career and educational interests including Optics, Relativity and Thermal Physics, Electricity and Magnetism, Quantum Mechanics, Data Analysis for Physicists, and Theoretical Methods of Physics. The University of Kentucky Department of Physics and Astronomy is home to the MacAdam Student Observatory, which allows you to gain hands-on astronomical experience and also functions as a space for community outreach. A Physics & Astronomy degree from the University of Kentucky will prepare students for career opportunities including:

- Research Physicists in Industry and Government
- Astrophysicists at National Observatories
- Teachers & Education Administrators
- Medical Physicist & Radiologists
- Computer Analysts & Programmers
- Financial & Investment Analysts
- Environmental Scientists & Engineers
- Meteorologist
- Oceanographer
- Geophysicists
- Astronaut
- Instrument Engineers
- Biomedical Engineers
- University Professors

STUDENT SUPPORT RESOURCES

- A&S Liaison to assist with questions and support while at UK. Contact: Megan Koshurba (WeChat: Meko225).
- The University of Kentucky has an experienced Chinese alumnus who will personally assist all students (at no charge) with the application process and provide personal guidance to all students.
- Professional advisors assigned to all students to help students determine degree requirements.
- Students who wish to enhance their English speaking and reading abilities have the opportunity to enroll in English intensive courses to better their knowledge of the language.
- International Center provides support to Chinese students while attending the University of Kentucky and beyond.
- A well-established and award winning Confucius Institute.

SCHOLARSHIP OPPORTUNITIES

- All students participating our partnership with an Arts & Sciences major will be awarded the Arts & Sciences International Excellence Scholarship in the guaranteed amount of \$1,000 during their undergraduate studies.
- All students are eligible for consideration for the University of Kentucky transfer student scholarship. Please see <http://www.uky.edu/financialaid/scholarship-transfer-students> for scholarship details and application information. The deadline for receipt of admission application, transcript, and scholarship application is normally in early June. Contact us for the exact deadline.
- The College of Arts & Sciences offers scholarships housed in the Dean's Office. Please see <https://www.as.uky.edu/scholarships> for information about these scholarships along with the online application. There is only one application for all the scholarships and you are placed in the candidate pool for any scholarship you qualify for.



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物理和天文学专业

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肯塔基大学简介

肯塔基大学开设70多个全美排名领先的学位课程，其中超过25个位列前20名。作为一所主要的公立研究型大学，肯塔基大学在美国大学的教学品质和性价比方面名列前茅。除此之外，肯塔基大学的学生群体多元，学生们来自全球117个国家，美国50个州和肯塔基州的120个县。

物理和天文学专业

物理和天文学专业以文科学士学位或理科学士学位授予，本专业的学生可以进行观察、测量、解读并通过数学发展理论以解释天体和物理现象，利用学到的知识来设计和开发新技术。物理教学提供了一个审视问题的独特视角，许多雇主现在非常重视这一点。课程涵盖广泛的职业和教育兴趣，包括光学、相对论和热物理学、电力和磁学，量子力学、物理学家的数据分析和理论物理方法。肯塔基大学物理与天文学系是MacAdam学生天文台的所在地，学生可以从中获得实践天文体验，同时也可服务社区宣传。肯塔基大学物理和天文学专业毕业生的就业方向包括：

- 产业和政府的研究物理学家
- 国家天文台的天文物理学家
- 教师和教育行政人员
- 医疗物理学家和放射科医生
- 计算机分析员和程序员
- 财务和投资分析师
- 环境科学家和工程师
- 气象学家
- 海洋学家
- 地球物理学家
- 宇航员
- 仪器工程师
- 生物医学工程师
- 大学教授

学生支持资源

- 文理学院联络员协助解答问题和在校期间提供支持。联络员：Megan Koshurba（微信号：Meko225）。
- 肯塔基大学经验丰富的中国校友会在申请过程当中帮助所有学生并提供个人指导建议（无偿）。
- 所有学生均分配一位专业指导顾问，帮其决定自己的达到学位要求课程。
- 希望提高英语口语和阅读能力的学生可以参加英语强化课程以增强语言能力。
- 国际中心为中国学生在肯塔基大学就读期间和其他方面提供支持。
- 还有一所完善成熟的著名孔子学院作为强大后盾。

奖学金

- 所有选择我们与文理学院联办专业的学生在本科学习期间均会获得1000美元的文理学院国际卓越奖学金。
- 所有学生都有资格参加肯塔基大学转学奖学金的评选。奖学金具体内容和申请信息请见<http://www.uky.edu/financialaid/scholarship-transfer-students>。入学申请、成绩单和奖学金申请书接收截止日期一般在6月初。请联系我们咨询实际截止日期。
- 文理学院奖学金由院长办公室管理。奖学金具体内容和申请信息请见<https://www.as.uky.edu/scholarships>。所有奖学金，一次申请即可；申请后你将入选符合资格的奖学金。