

# 2024年北卡州立大学冬季本科生科研项目GEARS (实地) 常见问题

## 1. 项目的大体形式是什么样的？

美国北卡州立大学是公立、研究型大学。这个为期4周 (2024年1月22日到2月17日) 的实地科研项目，由北卡州立大学全球培训学院主办，有来自北卡州立大学、北卡教堂山分校、杜克大学等北卡州著名高校的数十名教授提供科研项目。这个项目对学生来说是一个实习项目。我们会将参加项目的学生直接编入现有的科研团队，在4周中完成一项小的科研任务；在项目结束时提交基于科研成果的海报演讲。参加者会获得实地科研经验，学习如何有效地与跨国团队沟通。项目结束时获得项目结业证书和教授评估信。对于有科研兴趣、或者今后有出国留学打算的学生是一个难得的实习机会。

## 2. 哪些专业的学生可以申请这个项目？

招生对象：合作学校的在读本科生，并且对科研项目感兴趣。要求每个学校至少5名学生  
目前开放的科研项目专业有：

- 计算机科学
- 生物工程与农业工程
- 化学与生物分子工程
- 土壤与作物科学
- 数据科学
- 林业与环境资源
- 工业工程
- 数学
- 机械工程
- 航天工程
- 核工程
- 纺织学

科研项目和专业也会逐步增加，除以上专业外，还有很多跨学科的科研项目和专业，请在此网站查询最新信息：[Undergraduate GEARS Projects](#)

## 3. 申请条件是什么？

- 北卡州立大学在中国合作伙伴的本科2年级及以上的学生优先报名
- 学习成绩优秀 (至少GPA 3.0)，能够用英文进行沟通和科研 (申请时需要提供英文成绩和在校成绩单) 我们需要至少一项英文成绩：
  - TOEFL – iBT: 85分以上
  - CET 6: 480 (六级成绩请将主要信息翻译附在后面)

- IELTS: 6.5
  - Duolingo: 100 (这是一个网络考试，随时可以注册，在线参加考试，详细信息请登录以下网站：<https://englishtest.duolingo.com/>)
  - TEM4 80
- 申请时还需要提供简历，如果之前有科研经验请在简历中包括
  - 暂时不能提供官方英文版成绩单的同学，可以先提供学校网站下载或者截屏的非官方成绩单，我们先按照这个成绩审核你的申请，之后条件允许的时候再提供官方成绩单
  - 请在北卡州立大学全球培训学院网站申请
  - 项目的申请最终截止日期为11月10日，我们会根据申请资料择优录取。由于研究项目数量有限，还请有意向的同学尽快申请。

#### 4. 我们将具体从事什么样的科研项目？

- 科研项目期间你将加入该研究团队，从事真正实地的科研项目。**注意：这不是一个冬令营，是一个科研项目的实习工作**
- 申请时需要提供简历和研究兴趣，你可以根据你的专业、职业规划选择两个最喜欢的研究项目，我们会帮你安排到北卡州立大学合适的教授和研究团队
- 科研项目举例：

Research Topic	Research Projects Available	Prerequisites	NCSU Department
Artificial Intelligence-based Multiscale Materials Modeling	Our research focuses on understanding the mechanical, thermal, mass transport and their interactions with imperfections in a variety of engineering and biological materials from the atomistic to the engineering scale. The mentees will be exposed to hands-on experiences in atomistic and artificial intelligence-based multi scale modeling of material, material synthesis, characterization and testing.	Students with backgrounds in mechanics of materials, computer science, materials science and engineering, physics, and mathematics are all welcome to apply.	Mechanical & Aerospace Engineering

Intelligent Code Analysis in VS Code	In these projects, we will develop code analysis tools as VS Code extensions for software engineers and computer science students. The mentees will have opportunities to accumulate experiences in app development using Javascript and Typescript.	Javascript, Typescript	Computer Science
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## 5. 一个项目组里会有几个实习的学生呢？

平均3-4个

## 6. 项目的具体时间安排是怎么样子的？

第一周	<p>机场接机</p> <p>新生培训, 欢迎午餐/早餐, 校园参观, 图书馆参观</p> <p>科研方法介绍和研究生交流</p> <p>与教授及研究团队见面</p> <p>相关文档阅读</p> <p>开始科研项目 (科研时间10-20小时)</p> <p>文化活动: 参观罗利市中心与博物馆</p>
第二周	<p>科研项目 (科研时间20-30小时)</p> <p>学术研讨会: 海报演讲技巧</p> <p>海报演讲准备</p> <p>文化活动: 购物或户外运动</p>
第三周	<p>科研项目 (科研时间20-30小时)</p> <p>海报演讲准备</p> <p>学术研讨会: 美国博士生研究生申请</p>

	文化活动: 参观杜克大学
第四周	科研项目 (科研时间20-30小时) 海报演讲研讨会 毕业典礼和告别餐 机场送达

以上是一个示例时间表，最终确认的项目时间表会在同学们抵达之前分享。

## 7. 被项目录取之后，我需要什么类型的签证，以及签证发放的步骤是什么？

1. 请在此申请: [undergraduate GEARS campus program](#)  
([现有项目参考](#))
2. 从10月23日开始，我们将通过电子邮件向已成功分配到项目的合格学生发放GTI项目录取通知。
3. 提交全额项目付款确认后的3天之内，申请者将被录入我们的 (Global Home) 系统，从而开始进行申请J-1短期学者签证的流程。
4. 内部审核完成后，你将收到一封包含链接的电子邮件，链接将指向一个有安全保障的电子表格，用于提交北卡州立大学国际服务办公室 (OIS) 要求的文件 (简历/履历、护照身份信息、项目信息、经济担保证明以及指定的学者类别和健康保险要求的确认)。
5. 在文件成功处理后，你将通过电子邮件收到一份包含你的SEVIS ID的DS-2019表格。  
\* OIS通常需要大约两周来处理你的文件，请确保所有信息正确提交，因为提交后将无法更正。
6. 收到SEVIS ID后，你会被告知在附近的美国领事馆进行签证面试，请在预约之前完成SEVIS费用的支付。  
\* 请务必在你安排面试预约后通过电子邮件通知我们，告知我们已经安排好了预约。请确保在签证状态 (批准、拒绝、等待及预计时间) 发生变化时与我们保持联系。由于签证排队和处理时间目前较长，请尽早申请。

## 8. 如何申请美国签证？

请登录美国大使馆/领事馆的官方网站获取详细信息。

<https://www.ustraveldocs.com/cn/en/nonimmigrant-visa/>

## 9. 我需要申请什么类型的签证？

J-1 签证。

## 10. 我将居住在哪里？美国的地址是什么？联系人是谁？

如果你的住宿是由GTI安排的，住宿会在北卡州立大学校园附近，校园地点位于 3771 Thistledown Dr, Raleigh, NC 27606. 联系人是Ms. Chanelle Gobena-McArthur, 电话: 919-513-0105, 邮件: [cmmcarth@ncsu.edu](mailto:cmmcarth@ncsu.edu)。

## 11. 如果签证官在签证面试中问道“你为什么要来美国”，我该如何回答？

请诚实回答，前往美国参加为期4周的短期研究技能培训项目，该项目由北卡州立大学提供。

## 12. 如果在签证面试中签证官问我“你会从这个项目中获得学分吗？”我应该如何回答？

你不会从北卡州立大学获得学分，北卡州立大学也不会为你出具正式的成绩单。这是一个短期冬季项目。

## 13. 如果签证官问我“你完成项目后是否会回到你的祖国”，我应该如何回答？

请诚实回答这个问题。项目结束我将回到我的祖国。

## 14. 这个项目将于1月22日开始，到2月17日结束，我可以提前到达或延迟离开吗？

请按照我们邀请函上的日期到达和离开。如果你提前到达或延迟离开，我们将尽最大努力安排住宿，但你需要额外支付费用。并且在此期间我们无法安排任何活动。

## 15. 我可以在1月22日抵达Raleigh以外附近的机场吗？会有人在那里接我吗？

请于1月22日抵达Raleigh机场，该机场的名称是Raleigh-Durham国际机场(Raleigh-Durham International Airport)，简称RDU。如果你抵达其他机场，很抱歉我们无法派遣司机接机。

## **16. 我可以选择1月22日抵达Raleigh机场的具体时间吗？如果我在清晨或深夜抵达，会有人来接我吗？**

请尽量在工作时间内，即上午8:30至下午5:00之间抵达；但如果你找不到在此时间段内的航班，请提前告知我们你的航班信息，我们将安排司机接机。

## **17. 项目的最终成果是什么？**

- 项目结业证书
- 北卡州立大学教授评估信
- 学术海报展示（最终研究成果）
- 拥有美国一流大学的科研经验
- 获得在跨国多元文化环境中实践实习和研究的经验
- 深入了解美国大学研究生和博士生申请流程

## **18. 项目说明会时间：**

10月19日、11月2日北京时间为晚上9：30, Zoom Meeting ID: 824 666 7307, 密码 2024WIN

联系信息：

[Lynn.wang@ncsu.edu](mailto:Lynn.wang@ncsu.edu)

微信：1470602259

# 2024 Winter NC State Campus GEARS Program FAQ for Undergraduate Students

## 1. Program Overview

North Carolina State University is a public, research university in the United States. This 4 week long immersive campus opportunity is an intensive research skills program. The participants will be assigned to existing research teams, and finish a small task during these 4 weeks. The participants will present at a poster symposium upon their successful completion of their research accomplishment at the end of this program. The participants will gain research experience, and learn how to communicate with diverse teams. We will issue the graduation certificate and evaluation letter to the participants. This is a very valuable opportunity for students who are interested in research, or plan to study overseas in the future.

## 2. Who can apply to this program?

Undergraduate students who are interested in the opportunity to develop their research skills on our campus. We require a minimum of 5 successfully placed students per partner institution. We have research projects in the following majors:

- Computer Science
- Biological Engineering and Agricultural Engineering
- Chemical and Biomolecular Engineering
- Crop and Soil Sciences
- Data Science
- Forestry and Environmental Resources
- Industrial and Systems Engineering
- Mathematics
- Mechanical Engineering
- Aerospace Engineering
- Nuclear Engineering
- Textiles

We may add more research projects, please check the latest information utilizing the information at this link: [Undergraduate GEARS Projects](#)

## 3. Application information:

- We prioritize admission of students from NC State Partnership Schools who are:
  - undergraduate Grade 2 or above with a GPA 3.0+ for the undergraduate GEARS program
  - can communicate conversationally in English, please provide at least one of the following English proficiency proof:
    - TOEFL – iBT: >85
    - Previous Paper Version (PBT): 563
    - IELTS: 6.5
    - Doulingo: 100 (Please register the online test here, you will receive your score in 3 days: <https://englishtest.duolingo.com/>)
- Please provide your resume and indicate your research experience if you have any

- The application deadline is November 10, it is a very selective program, please apply as early as possible

**4. Can you provide more information on the research program overall?**

- This is not a summer/winter camp, it is an intensive research skills experience
- During the scientific research experience, you will join a university research project/team and work on actual scientific research projects
- You will choose 2 research projects when you apply based on your major and career direction/interests, we will place you in one of the projects that you've indicated
- Research project examples:

<b>Research Topic</b>	<b>Research Projects Available</b>	<b>Prerequisites</b>	<b>NCSU Department</b>
Artificial Intelligence-based Multiscale Materials Modeling	Our research focuses on understanding the mechanical, thermal, mass transport and their interactions with imperfections in a variety of engineering and biological materials from the atomistic to the engineering scale. The mentees will be exposed to hands -on experiences in atomistic and artificial intelligence-based multi scale modeling of material, material synthesis, characterization and testing.	Students with backgrounds in mechanics of materials, computer science, materials science and engineering, physics, and mathematics are all welcome to apply.	Mechanical & Aerospace Engineering
Intelligent Code Analysis in VS Code	In these projects, we will develop code analysis tools as VS Code extensions for software engineers and computer science students. The mentees will have opportunities to accumulate experiences in app development using Javascript and Typescript.	Javascript, Typescript	Computer Science

**5. How many students in one research project?**

3-4 on average



## 6. What type of schedule can I expect during this program?

Week 1	Airport pickup Orientation, welcome lunch/breakfast, campus tour, library tour Introduction to scientific research methods Meet professors and research teams and join the lab Read related information Start scientific research, 10-20 hours Cultural Activities: Raleigh City Center and Museum Tours
Week 2	20-30 hours of scientific research Lecture on academic poster presentation skills Prepare for final presentation Cultural activities: outlet shopping or sporting event
Week 3	20-30 hours of scientific research Prepare for final presentation Lecture on Application for American Postgraduate and Doctoral Programs Cultural Activities: Visit to Duke University
Week 4	20-30 hours of scientific research Final presentation symposium Graduation Ceremony and Farewell Lunch Airport drop off

The above is an example schedule, the final program schedule will be confirmed and shared with admitted participants prior to participant arrival.

## 7. What happens after my acceptance into the program, what type of visa do I need and what are the steps for visa issuance?

1. Apply to the [undergraduate GEARS campus program at this link \(view available projects\)](#)
2. Starting from October 23rd, we will issue GTI program acceptance notifications via email to qualified students who have been successfully placed in a project.
3. After you have confirmed your participation by submitting your full program payment within 3 days of the offer, participants will then be entered into our Global Home system to begin the process to apply for a J-1 short term scholar visa.
4. After the internal processing is complete, you will receive an email with a link to a secure e-form to submit documents (resume/cv, passport bio page, program information, proof of funding and confirmation of your understanding of the assigned scholar category and health insurance requirements) required by the NC State Office of International Services (OIS).
5. After successful documentation processing, you will receive a DS-2019 form containing your SEVIS ID via email.

\* It often takes around 2 full weeks for your documents to be processed by OIS. Be sure that all information is submitted carefully and correctly as you will not be able to make corrections independently.

6. After receiving your SEVIS ID, you will then schedule a visa interview at a nearby US consulate and complete the SEVIS fee prior to your appointment.

\* Be sure to email us once you have scheduled this appointment to let us know when it has been scheduled for. Be sure to keep in communication with us on the status (approval, denial, wait and estimated time) of your visa as updates arise. Since the visa queue and processing time are currently long, please apply as early as possible.

### **8. How do I apply for a US visa?**

Please go to the US embassy/consulate website and get detailed information.

<https://www.ustraveldocs.com/cn/en/nonimmigrant-visa/>

### **9. What type of visa do I need to apply FOR?**

Please apply for a J-1 visa.

### **10. Where will I live? The US address? Who will be our contact person?**

If your housing is arranged by the GTI, you will be staying nearby NC State's campus at 3771 Thistledown Dr, Raleigh, NC 27606. Ms. Channele Gobena-McArthur will be your contact person, phone number is 919-513-0105, [cmmcarth@ncsu.edu](mailto:cmmcarth@ncsu.edu).

### **11. If the visa officer asks me "why are you coming to the US" during the visa interview, how can I answer it?**

Please answer this question honestly. You will come to the US for a short-term research skills program at NC State University. This program will last for 4 weeks.

### **12. If during the visa interview the visa officer asks me "will you earn credit from this program?", how can I answer it?**

You will not earn credit from NC State, and NC State will not issue an official transcript for you. This is a short term winter program.

### **13. If the visa office asks me "will you come back to your home country when you finish your program", how can I answer?**

Please answer this question honestly. I will come back to my home country once this program is over.

#### **14. The program will start on January 22 to February 17, can I arrive earlier or leave late?**

Please come and leave according to the date on our invitation letter. If you come earlier or leave late, we will try our best to arrange the accommodation, but you have to pay extra money for it. And we are afraid we cannot arrange any activities during these days.

#### **15. Can I arrive at a nearby airport on January 22? Will someone pick me up there?**

Please arrive via the Raleigh airport on January 22, the airport name is Raleigh-Durham International Airport; it is also known as RDU. If you arrive at another airport, we are sorry that we cannot send the driver to pick you up there.

#### **16. Can I choose my arrival time on January 22 at the Raleigh airport? Will someone pick me up if I arrive in the early morning or late night?**

Please arrive during business hours from 8:30 AM-5:00 PM if possible; but if you cannot find a flight arriving during this time, let us know your flight information in advance, we will assign the driver to pick you up, even if you come in the early morning or late evening.

#### **17. What are the outcomes of this program?**

- Program Graduation Certificate
- NC State Professor Evaluation Letter
- Poster Presentation Symposium (research accomplishment)
- Gain the research experience from a first-class U.S. university
- Practice work and research in a multicultural setting
- Deeply understand the admission process of Master/PHD program

#### **18. Where can I learn more about this program?**

We will hold 3 zoom info sessions at the dates and times listed below:

Info Session 1: October 19th 9:30am US EST

Info Session 2: November 2nd 9:30am US EST

*Meeting ID: 824 666 7307 Passcode: 2024WIN*

Contact information:

Chanelle Gobena-McArthur

[cmmcarth@ncsu.edu](mailto:cmmcarth@ncsu.edu)