



## NC State 2026 Winter Campus AI Program

### Important Dates

#### *Application Due*

11/30/2025

#### *Program Dates*

1/20 - 2/12/2026



### Program Highlights

This intensive training will provide international students and researchers with the **knowledge** and **practical experience** to **integrate, create,** and **fine-tune** Large Language Models (LLMs) for research and practical applications.

By the end of this course, participants will have the expertise to build, fine-tune, and deploy customized Large Language Models (LLMs) for both research and practical applications. All ten modules include **working Python code for reference and modification.**

### Application Info

- **Visa Type Required:** B1/B2
- **Admissions Requirement:** NC State Partner University Undergraduate and Graduate Science or Engineering majors
- **English Requirement (for International students)**
  - TOEFL IBT 80, IELTS 5.5, TOEIC 600, and Duolingo 95

### Program Cost

\$3380 USD/student

(Airfare, Visa, & Health Insurance **not included**)

### Program Fee includes:

- AI class & Culture/communication class
- Learning Management System (LMS) access
- Academic activities and cultural activities
- Airport pickup and dropoff
- Orientation and campus tour
- Housing: Double-occupancy hotel near campus
- Welcome lunch, farewell lunch, and every day breakfast
- Graduation ceremony and certificate

[https://go.ncsu.edu/winter26\\_ai](https://go.ncsu.edu/winter26_ai)



# Top Ranked Programs

Our programs are highly regarded by leading publications, demonstrating a commitment to excellence in key areas of AI.

**Computer Science:** The Computer Science graduate program is ranked #50 in the nation by U.S. News & World Report.

**Statistics & Data Science:** The Statistics graduate program is ranked #11 in the nation by U.S. News & World Report and #24 in the world by Shanghai Ranking.

**Engineering:** The College of Engineering is ranked as the 27th-best graduate engineering program in the U.S. and 13th among public institutions.

## Research & Innovation

NC State's dedication to cutting-edge research provides students with unparalleled opportunities to work on real-world AI challenges.

**Significant Research Funding:** We have over \$633 million in annual research expenditures, placing us at #6 among public universities without a medical school.

**Pioneering Research:** A recent grant from the National Endowment for the Humanities (NEH) established an AI center focused on the ethical implications of AI, showcasing our commitment to responsible innovation.

**Industry Partnerships:** NC State's Data Science and AI Academy has over 100 industry partners and has prepared over 2,000 AI professionals since 2020 through a \$6 million grant from the U.S. Department of Labor.



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**NC STATE UNIVERSITY**

Global Training Initiative

**gti.ncsu.edu**

# Program Calendar - Weeks 1 & 2

## Week 1: 1/20 - 1/25

1/20	<ul style="list-style-type: none"><li>• RDU Airport Pickup</li><li>• Grocery Shopping</li></ul>
1/21	<ul style="list-style-type: none"><li>• Orientation &amp; Campus Tour</li><li>• Welcome Lunch</li><li>• Culture/Communication class</li></ul>
1/22	<ul style="list-style-type: none"><li>• Culture/Communication class</li><li>• Business Culture with VR</li></ul>
1/23	<ul style="list-style-type: none"><li>• Culture/Communication class</li><li>• Volunteer Activity,</li><li>• Grocery Shopping</li></ul>
1/24	<ul style="list-style-type: none"><li>• NC Museums &amp; Self-Guided Downtown Visit</li></ul>

## Week 2: 1/26 - 1/31

1/26	<ul style="list-style-type: none"><li>• AI Class: Install Python and Jupiter Notebook and Google Cola</li><li>• Culture/Communication class</li></ul>
1/27	<ul style="list-style-type: none"><li>• AI Class: API Integration (LLMs like OpenAI GPT 4, Claude, Llama3.2 and Mistral)</li><li>• Culture/Communication class,</li><li>• Movie Night</li></ul>
1/28	<ul style="list-style-type: none"><li>• AI Class: Fine-tuning techniques LLMs for text Processing</li><li>• Library Research Database training</li><li>• Hunt Library Tour</li></ul>
1/29	<ul style="list-style-type: none"><li>• AI Class: Fine-tuning techniques LLMs for Image and Vision Processing</li><li>• Culture/Communication class</li></ul>
1/30	<ul style="list-style-type: none"><li>• AI Class: Building Agents and RAG systems for text word/pdf document</li><li>• Duke University visit</li></ul>

# Program Calendar - Weeks 3 & 4

## Week 3: 2/2 - 2/8

2/2	<ul style="list-style-type: none"><li>• AI Class: Building Agents &amp; RAG Agent systems for structured data retrieval</li><li>• Culture/Communication class</li></ul>
2/3	<ul style="list-style-type: none"><li>• AI Class: Hands-on experience with LlamaIndex, LangChain, Ollama, Flask &amp; Streamlit</li><li>• Culture/Communication class</li><li>• Movie Night</li></ul>
2/4	<ul style="list-style-type: none"><li>• AI Class: Learn how to deploy open source LLMs locally or on your own cloud server</li><li>• Culture/Communication class</li><li>• Graduate Admission Workshop</li></ul>
2/5	<ul style="list-style-type: none"><li>• AI Class: Pre-train and distill a new Small Language Model from Scratch</li><li>• Culture/Communication class</li></ul>
2/6	<ul style="list-style-type: none"><li>• AI Class: Create, pre-train and distill a new Small Language Model from Scratch</li><li>• Engineering Labs visit</li><li>• Engineering faculty &amp; Graduate students panel</li></ul>
2/7	<ul style="list-style-type: none"><li>• Outlet Shopping (Optional w/ Fee)</li></ul>

## Week 4: 2/9 - 2/12

2/9	<ul style="list-style-type: none"><li>• AI Class: Final Presentation</li><li>• Farewell lunch</li><li>• Graduation Ceremony</li></ul>
2/10	<ul style="list-style-type: none"><li>• RDU Airport Dropoff</li></ul>
2/10-2/12	<ul style="list-style-type: none"><li>• Washington DC Trip (Optional w/ fee)</li></ul>

**Contact information**  
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