New Graduate Student Orientation

125 YEARS OF GRADUATE STUDENT SUCCESS
How to be Successful in Graduate School

Peter Harries
Who Are You? ~3600 new graduate students

- Masters: 79%
- Doctoral: 21%
Engineerings: 35%

Education: 14%

Ag. and Life Sci.: 9%

Design: 4%

Provost: 2%

Textiles: 2%

Vet Med: 0%

Mngmnt: 10%

Hum and...: 9%

Nat. Resour: 4%
NC State Strategic Priorities

• Goal 1: Enhance Student Success
• Goal 2: Invest in Faculty and Infrastructure
• Goal 3: Support Interdisciplinary Scholarship
• Goal 4: Pursue Organizational Excellence
• Goal 5: Engage Locally and Globally
Critical Skills Needed for Graduate School Success

• Knowledge and Creativity
• Communication Skills
• Teamwork
• Resilience
• Planning and Organization
• Ethics and Integrity
Learning gives creativity, Creativity leads to thinking,
Thinking provides knowledge, and Knowledge makes you great.

A.P.J. Abdul Kalam

https://csuitemind.com/quotes/
THE single BIGGEST problem in COMMUNICATION is the illusion that it has taken place.

George Bernard Shaw

https://www.askideas.com/
Individually, we are one drop. Together, we are an ocean.

— Ryunosuke Satoro
Success is not final, failure is not fatal: it is the courage to continue that counts.

Winston Churchill

https://quotefancy.com/
Organizing is what you do before you do something, so that when you do it, it is not all mixed up.

A. A. Milne
Educating the mind without educating the heart is no education at all.

- Via (The Minds Journal)
GRADUATE STUDENT SUCCESS:
Academic Keys

➢ Seek out multiple opportunities → there are many resources available on campus that you should take advantage of

➢ Find opportunities to develop and hone the skills that employers are seeking

➢ Remember that you will need to be resilient to be successful so stay healthy and practice wellness. Reach out for help when needed
The Graduate School

Envisioning Research

The winners of this year’s Envisioning Research contest demonstrate the many ways research offers new perspectives on our world.

The Graduate School at NC State equips students
Have a great graduate career!

We look forward to seeing you at graduation!
Road To Success

Lian Lynch
Assistant Dean of Graduate Student Administration & Academic Affairs
Graduate Student Success
Critical Elements

#1: Actively Engage in your Education

• THINK and DO
• Undergraduate vs. graduate
• Be an active learner
• Think outside the box
Graduate Student Success
Critical Elements

#2: Develop a Program of Study

• Interact with advisor(s)
• Create a Graduate Plan of Work
• Track your achievements
Tasks & Holds

2 To Do's 1 Holds

Planning & Enrollment

Student Accounts

Financial Aid

Academic Records

Campus Living

Personal Information
<table>
<thead>
<tr>
<th>Task</th>
<th>Due Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Graduate Transcript</td>
<td>Overdue</td>
</tr>
<tr>
<td>Patent Agreement</td>
<td>Overdue</td>
</tr>
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### View Grades

<table>
<thead>
<tr>
<th>Class</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>ST 501</td>
<td>Fundamentals of Inference I</td>
</tr>
<tr>
<td>ST 517</td>
<td>Applied Statistical Methods I</td>
</tr>
<tr>
<td>ST 555</td>
<td>Stat Programming I</td>
</tr>
</tbody>
</table>

Term GPA

Cumulative GPA
Graduate Student Success
Critical Elements

#3: Engage in Professional Development

- Develop skills beyond those obtained in your department
Graduate Student Success
Critical Elements

#4: Know the Rules!

- Enroll early & in appropriate courses
- Maintain a 3.00 GPA at all times
- Continuously enroll
Graduate Student Success
Critical Elements

#5: Stay Connected

• Google Calendar

• Instagram: @NCStateGradSchool
  Facebook: @NCStateGradSchool
  Twitter: @NCSUGradSchool
  YouTube: @NC State Graduate School
Graduate School & Mental Health

Cody Zane
Ph.D. Student & Mental Health Ambassador
My Story
Find yourself REAL friends

-Dr. Valerie Ashby
Sometimes maintenance is progress.

-Yogi Ti
Know Your Awesome.

- Mary Baker
LAUGH!

- Me

YOU MAKE ME SMILE

EVERYTIME I TALK TO YOU
You are not alone.
Anxiety Reduction

Accelerate to Industry™
FOUNDED BY THE NC STATE UNIVERSITY GRADUATE SCHOOL

NC STATE
Wellness and Recreation

The Graduate School

NCSU LIBRARIES
Where is the Counseling Center?
Counseling Center Information

Location: 2nd Floor Student Health
Hours: Walk-in Hours 9-3 (Wednesdays 11-3); Emergencies 8-5 (M-F)
Contact: 919.515.2423; available 24/7/365 for emergencies
First Visit:
- Attend listed walk-in hours
- Complete initial paperwork
- Meet briefly with a triage counselor
- Get connected with appropriate resources

Find us on Social Media
@NCSUCounseling

STOP THE STIGMA
Most students who pay the health fee are eligible for assessment and consultation. Students may also be eligible for the following:

- Psychoeducational resources
- Outreach programming
- Group
  - Drop-in
  - Interpersonal process
  - Treatment-specific
  - Identity-based
- Brief, goal-oriented, individual treatment
- Psychiatric services
- Assistance for on- or off-campus referrals
Want a Friend?

College of Textiles, Office 3221
cpzane@ncsu.edu
The Prepared Pack

Dr. Amy Orders
Environmental Health and Public Safety
Research Safety

- Understanding the Hazards
- Understanding the Equipment
- Personnel Protective Gear
- Training

- Hazard Communication
- Postings and Placards
- Test Runs and Practice
- Emergency Preparedness
Hazardous Material Emergencies

HAZARDOUS MATERIAL SPILLS
Emergencies, call 911 immediately

Hazardous materials include biological, radiological, chemical and gases.

Any hazardous material spill should be reported to 911 or 919-515-3000 who will contact Environmental Health and Safety.

Do not attempt to clean up a hazardous material spill unless authorized by trained personnel through University training or direct supervision.
Additional emergency information is provided for preparation and actions related to emergency events:

*Emergency Management and Mission Continuity*

`go.ncsu.edu/packready`
Professional Development Team

The Graduate School
NC State University

go.ncsu.edu/prof-dev
Professional Development

Academic Training

- Writing workshops
- Writing groups
- TA training
- Language support for multilingual students

Career Training

- Industry preparation
- Preparation for academic careers
- Teaching and Communication certificate
- Writing certificate
What is A2i?
go.ncsu.edu/a2i
Accelerate to Industry (A2i)™
Core Modules

- Industry Immersion: Week, One-day or Two-day Series
  - July 28-August 2, 2019
- Industry Team Practicum: Semester and Year-long Team Projects
  - Fall 2019
- Industry Job Search Strategies: Half-semester Development Series
  - Fall 2019
- Industry Company Site Visit: One-day Recruitment Event
  - Spring & Fall 2019
- Industry Internship: Length Determined by Company
  - Fall 2019

[go.ncsu.edu/a2i](go.ncsu.edu/a2i)
Key Actions

**A. Broaden your skills portfolio**
- Communication
- Leadership
- Project management
- Interdisciplinary teamwork
- Data science
- Product development
- Market evaluation

**B. Build brand YOU**
- Identify and communicate your UVP and career vision
- Build an online brand
- Expand, nurture and leverage your social "capital"

**C. Collect work experience**
- Internships, co-ops
- Team projects
- FT/PT jobs
- Volunteer experiences

**D. Identify mentors**
- Academia
- Industry (for-profit and nonprofit)
- Government
There Aren't Enough Academic Jobs, So NC State Tries to Help

Prospects for Ph.D. earners are dismal in the academic job market, with stories abounding of people who have doctorates serving lattes at Starbucks.

Aug. 12, 2018, at 12:02 a.m.

By JANE STANCILL, The News & Observer

RALEIGH, N.C. (AP) — Prospects for Ph.D. earners are dismal in the academic job market, with stories abounding of people who have doctorates serving lattes at Starbucks.

N.C. State University has taken on that conundrum with a new program that leads
Overview: Teaching and Communication Programs

- New TA Workshop
- Teaching and Communication Certificate
- Preparing the Professoriate
- Academic Packways
Teaching and Communication Certificate
Communicating effectively with non-specialist audiences
100 hours of approved activities
Online portfolio
Preparing the Professoriate

Competitive year-long program
Faculty job search and career success strategies
Workshops and mentored teaching experience
Academic Packways

2-day future faculty preparation program
Late-stage grad students and postdocs
Panels, presentations, working sessions
Job market dossier preparation
Camp Completion
(every May and December)

- Dedicated individual writing time
- Consultations with expert researchers and writers
- Group writing opportunities
- Daily check-ins and motivational strategies
- Research support and library resources
- Lunch, snacks and coffee provided every day!
Writing Certificate

Coming May 2019!

Publish and present research
100 hours of approved activity
Transcript notation
Grad Engineering Writing Support

Engineering Cafés
(Spring 2019 topics)

- Professional emails
- Introduction sections
- Discussion sections
- Abstracts
- Reports
- Proposals

go.ncsu.edu/engineerwriting
Importance of an **Individual Development Plan** (IDP)

- Conversation with your PI
  - *What do you expect from your postdoc experience? What do you hope to gain or accomplish?*
  - *What does your PI expect?*

Online IDP Resources:

- [myIDP](https://myidp.sciencecareers.org/) (Science Careers)
- [ImaginePhD](https://www.imaginephd.com/)
- [NCSU IDP form](https://go.ncsu.edu/postdoc)
Our **Professional Development** programming diversifies your training & improves Strategic Skills important in the workplace.

A2i Immersion Week 2018 entry survey:
Grad students & Postdocs’ confidence in a range of skills (n=58)
Improving Your Postdoc Experience

Professional Development

● Funding Opportunities from OPA
  ○ Professional Development Awards
  ○ Travel Awards

● Major Events
  ○ National Postdoctoral Appreciation Week
  ○ Postdoctoral Research Symposium
    ■ Friday, May 31st, 2019, McKimmon Center

   Keynote Speaker: Wayne Holden, Ph.D., President & CEO of RTI International (4-5 PM), all invited
Want More Information?

Sign up for our professional development newsletter!
https://goo.gl/JGKnAe

Visit us at
go.ncsu.edu/prof-dev
Academic Integrity

Peter Harries
Academic Integrity

From: http://library.csusb.edu/news/?p=8607
Definition:

• NC State – Student Conduct: Academic integrity is the cornerstone of education. The free exchange of ideas depends on the participants’ trust that others’ work is their own and that it was done honestly. Intellectual progress in all disciplines demands the truthfulness of all participants. Plagiarism and cheating are attacks on the very foundation of academic life, and cannot be tolerated within universities.

• NC State – Research Misconduct: In the belief that honesty and integrity are essential to the search for knowledge, it is the regulation of North Carolina State University (NC State) that all persons involved in research and scholarship must guard the truth, uphold the highest standards in their research and scholarship, and protect the public trust that the academic environment has long held.
Fundamental Components

• Cheating
• Plagiarism
• Aiding and Abetting another to Cheat or Plagiarize
• Destruction or Removal of Academic Material
• Responsible Conduct of Research
REG 11.35.03 – Graduate Student Discipline Procedures

**Authority:** Dean of the Graduate School

POL 11.35.01 – Code of Student Conduct

**Authority:** Board of Trustees

REG 10.00.02 – Responding to Allegations of Research Misconduct

**Authority:** Vice Chancellor for Research and Innovation
Moss

A System for Detecting Software Similarity
Things to Consider

• Working ethically with a keen understanding of the nature of inquiry

• Citing effectively
  • Directly quoting material
  • Source of ideas

• Dealing with group work
Get Expert Help

★ Walk-Up
★ Chat
★ Text
★ Phone
★ E-Mail
★ Consultations

go.ncsu.edu/libraryorientation_grad
NC State University Libraries

<table>
<thead>
<tr>
<th>Library Name</th>
<th>Operating Hours</th>
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<tbody>
<tr>
<td>D.H. Hill Jr. Library</td>
<td>Mon-Thu 24 hours, Friday closes at 10:00pm, Saturday 9:00am - 10:00pm, Sunday opens at 9:00am</td>
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<tbody>
<tr>
<td>Natural Resources Library</td>
<td>Jordan Hall</td>
</tr>
<tr>
<td>Design Library</td>
<td>Brooks Hall</td>
</tr>
<tr>
<td>Veterinary Medicine Library</td>
<td>Vet Med Campus</td>
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[go.ncsu.edu/libraryorientation_grad](go.ncsu.edu/libraryorientation_grad)
D.H. Hill Jr. Library

- Humanities, social sciences, management, physical sciences, agriculture, life sciences, and math collections
- Special collections and university archives
- Digital Media Lab, Visualization Studio, Makerspace, Virtual Reality Studio
- Group Study Rooms
- Graduate Student Commons
Scheduled to open in Fall 2020, this project includes:

- Complete renovation of the second and third floors of the book stacks tower of the Hill Library with a new open stairwell connecting these floors with the Ask Us Lobby
- The new Academic Success Center, with services provided by the Division of Academic and Student Affairs (DASA)
- A new home for the Office of Undergraduate Research in the Hill Library
- New Libraries spaces including the Innovation Studio, an enlarged and upgraded Visualization Studio, and a new Data Experience Lab

The goal of this project is to enhance student and faculty success.
James B. Hunt Jr. Library

• Engineering and textiles campus and collections

• Makerspace: 3D Printing / Scanning

• Visualization spaces and media production studios

• Group Study Rooms

• Graduate Student Commons

• Dataspace (new!)
These are YOUR spaces!!!
Your Library

Regardless of which one holds your collections, every one of the library's spaces and services are open to you!!
By the Numbers

• Books:
  • In print & electronic
  • Loan period 90 days (+ unlimited renewals) - textbooks also! (renew items under My Account)
• Articles:
  • https://www.lib.ncsu.edu/databases/
  • Google Scholar (link to your NCSU account)

go.ncsu.edu/libraryorientation_grad
Technology Lending

go.ncsu.edu/libraryorientation_grad
Workshops
https://www.lib.ncsu.edu/workshops

- 680+ workshops & trainings offered in 2018 -2019
- Attended by over 9300 faculty and students.
- Diverse sets of topics such as R programming, altmetrics, grant support, Tableau, digital media production, citation analysis, 3-D scanning and printing, etc.
The Peer Scholars Program is a series of workshops run through NC State University Libraries and led by postdoctoral scholars and graduate students with specific research skills, including (but not limited to) design, programming, analytics, immersive technologies, visualization, and data analytics. The events are open to NC State students, faculty, and staff. For more information, contact Alexa Carter (aacarte2@ncsu.edu).
Graduate Students Services

http://lib.ncsu.edu/graduatetestudents

• Meet your Subject Specialist Librarian
• Request Research and Technology Consultations
• Citation Management guidance
• Copyright guidance
• Data/Statistics: Numeric, Geospatial (GIS)
• Tripsaver: Borrowing from other libraries!
• Register for Workshops
• Learn how to search and organize information to write your theses and dissertations
Get Expert Help

Ask Us

★ Walk-Up
★ Chat
★ Text
★ Phone
★ E-Mail
★ Consultations

Questions? Contact your Research Librarian for Graduate Services, Alexa Carter (aacarte2@ncsu.edu)
Student Panel