



**NC STATE**

THINK AND DO  
THE EXTRAORDINARY

# Administrative Leadership Meeting

Randy Woodson

Chancellor

Tuesday, May 7, 2019

# Upcoming ALMs

July 9

Innovation District

Titmus

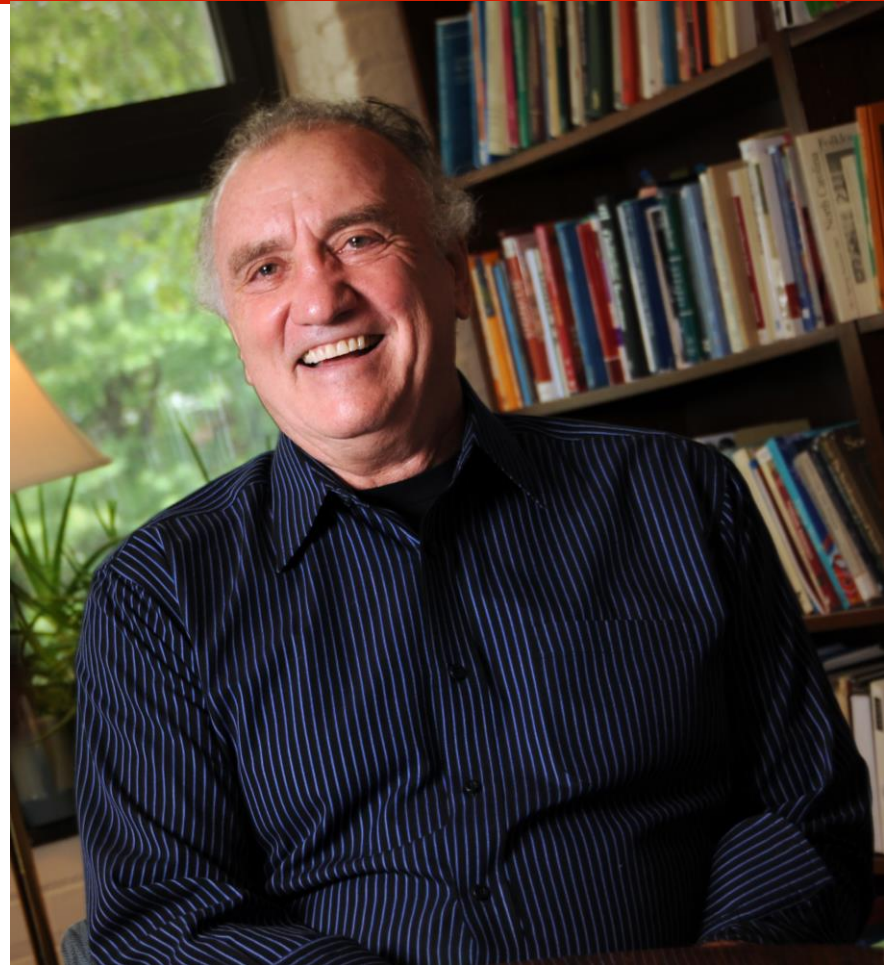
September 10

An Overview of Graduate  
Education: From Enrollment  
through Graduation

Titmus

# American Academy of Arts and Sciences

- Walt Wolfram, William C. Friday  
Distinguished Professor
- The Academy was founded in  
1780
- 13,500 members currently

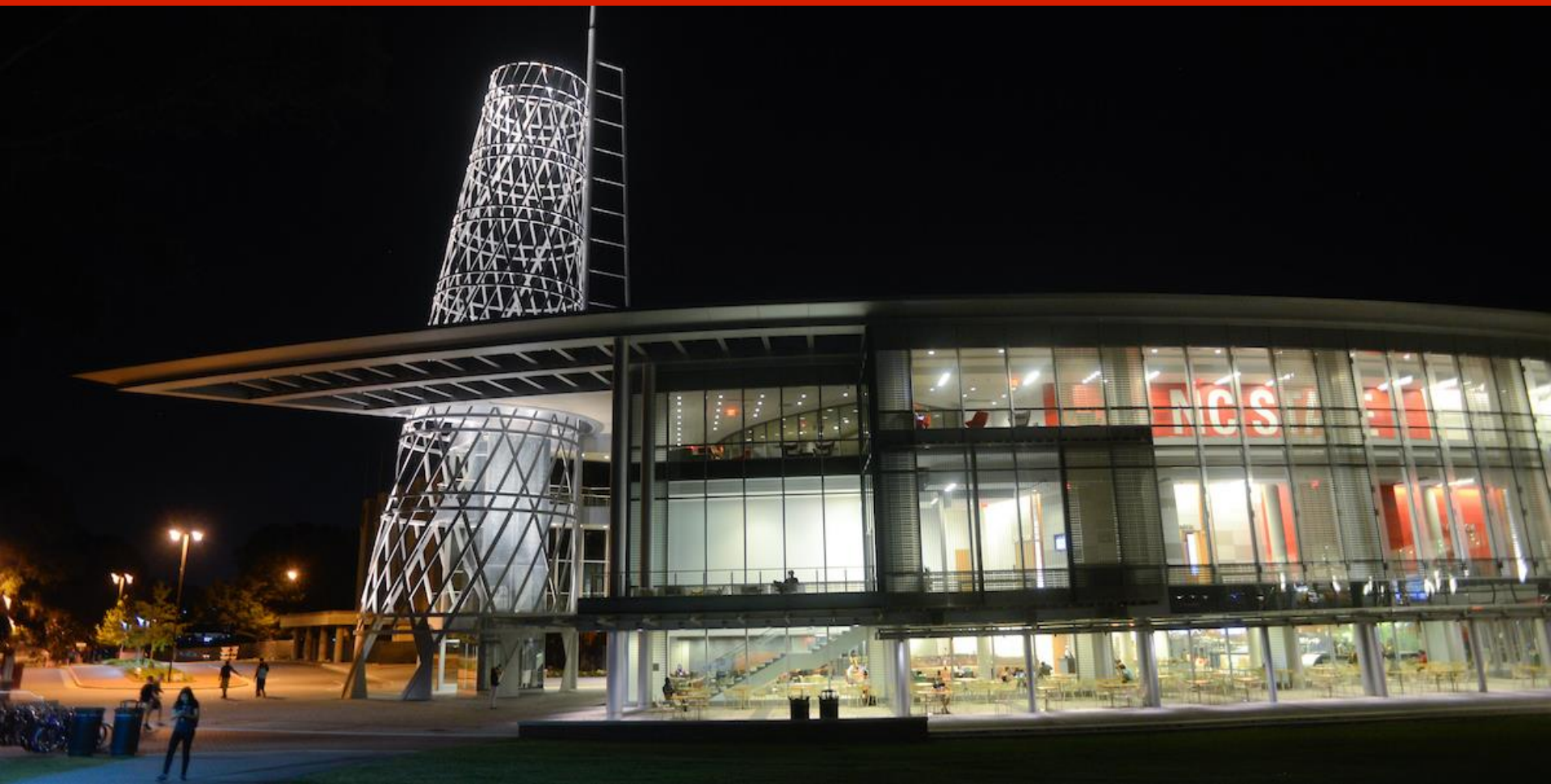


# Student Success

- Goldwater Scholars
- Lemelson-MIT Student Prize
- Association of Student Governments President



# Questions?





# Update on DASA Strategic Initiatives

Administrative Leadership Meeting  
May 7, 2019



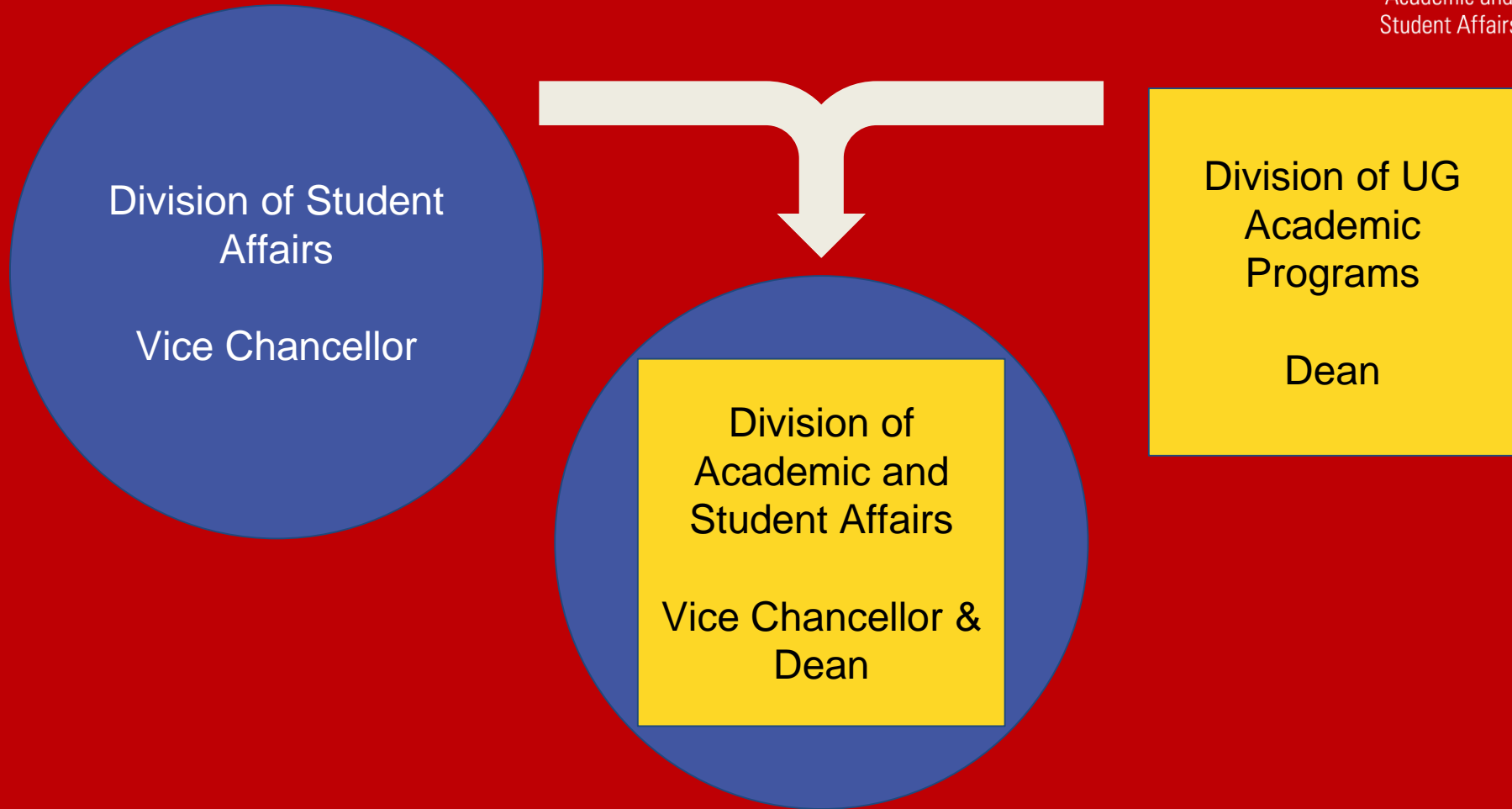
## Where we will go today:

- Brief History
- Mission
- DASA Strategic Plan
- Progress by Goals



# Creation of DASA - 2011-12

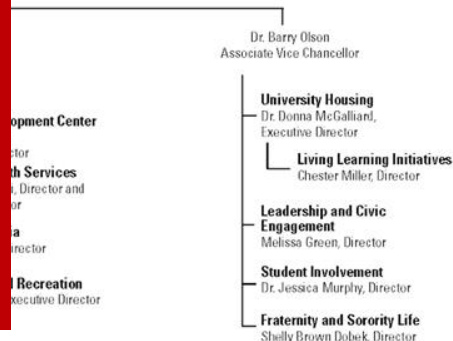
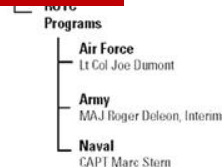
NC STATE  
Academic and  
Student Affairs







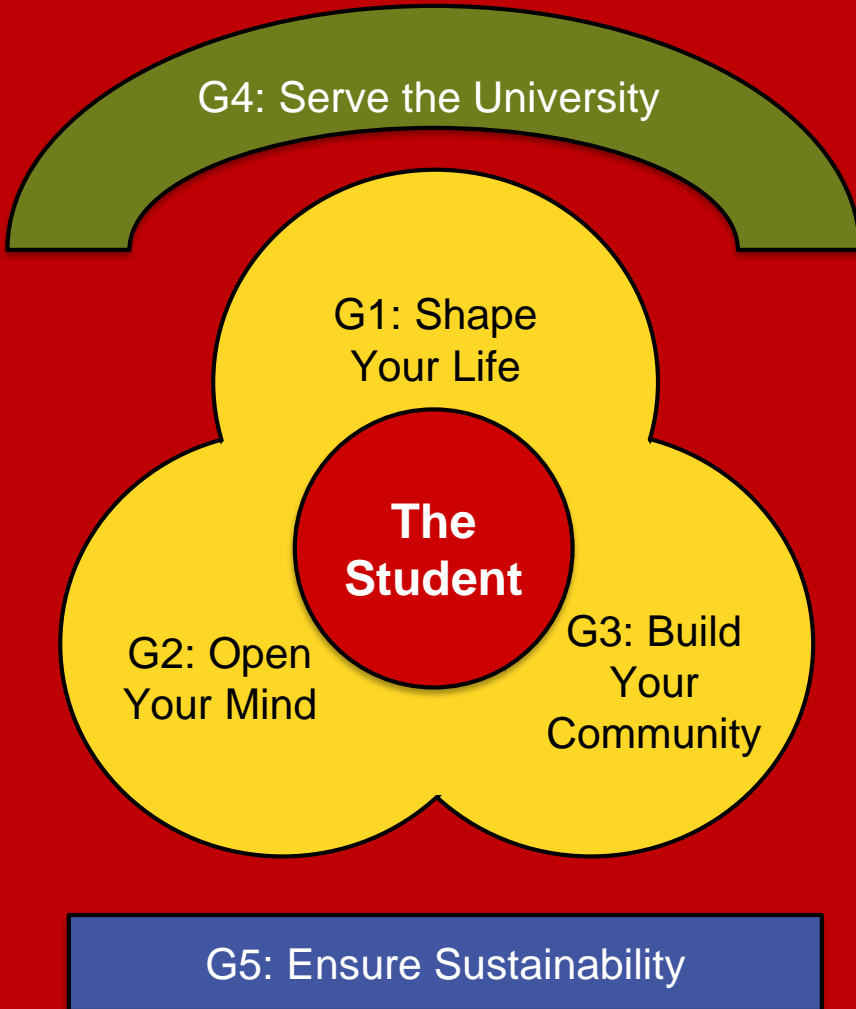
575 Employees  
2,500 Student Employees  
35,000 Students Served



## Our Mission

We promote the success of the whole student. In collaboration with our colleagues across campus, we prepare students to succeed academically, professionally and personally, to embrace a commitment to lifelong learning, and to become informed, engaged, and productive citizens.

# DASA Strategic Plan



## DASA Strategic Goals, 2013-2020

- Goal 1 – Promoting student success through personal responsibility in a supportive environment.
- Goal 2 – Promoting student success through educational innovation and intellectual growth.
- Goal 3 – Promoting student success through engagement.
- Goal 4 – Providing leadership for student success.
- Goal 5 - Developing and stewarding resources for organizational excellence.

# Progress on Initiatives



An aerial photograph of a modern, circular lounge area with a red carpet. Several students are sitting on curved, patterned sofas and a central red ottoman. A white text box is overlaid on the top left, and a semi-transparent grey box with a bulleted list is in the center. The background shows a spiral staircase with white railings.

# Goal One Initiatives - Shape Your Life

- Enhance the First Year and Transfer Student Experience
- Strengthen Campus Commitment to Wellness

# First Year and Transfer Experiences

- New Student and Family Orientation
- Summer START
- Welcome Weeks
- Year One Series
- Spring Fellows
- Tau Sigma Transfer Honor Society

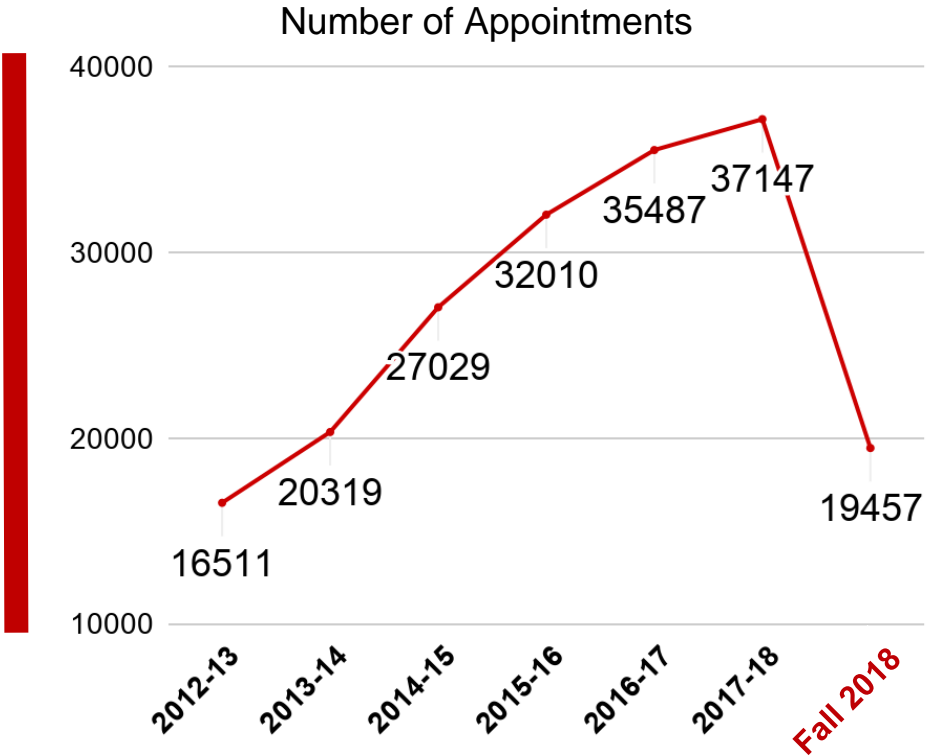
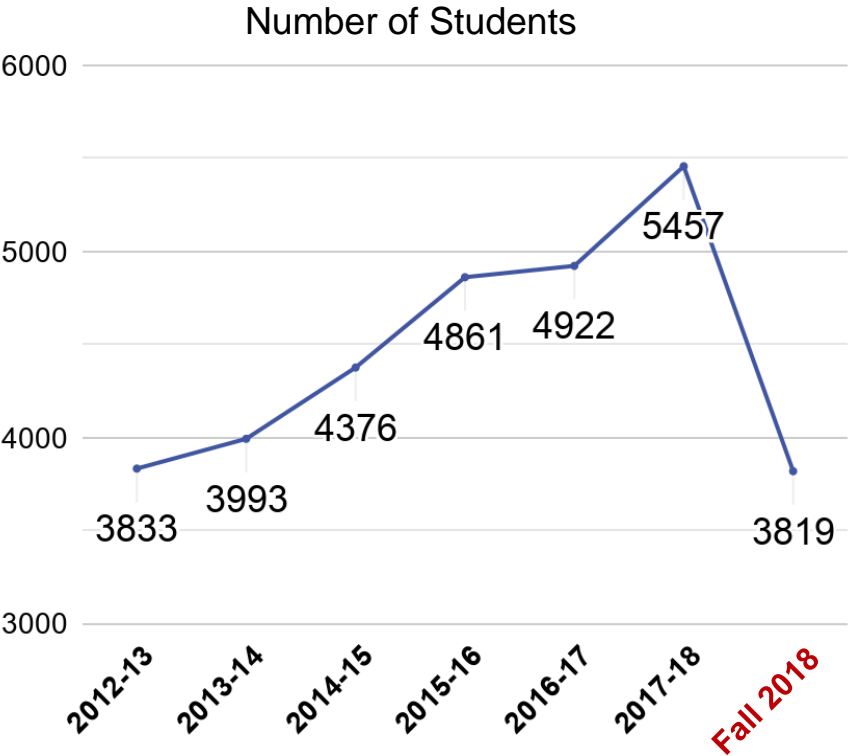






**Strengthen Campus Commitment to Wellness**

# Counseling Center Utilization Rates



# Building Counseling and Prevention Services

## 2012-13

- Total Appointments: **16,511**
- 18 Clinicians
- 3 contract psychiatrists
- 4 trainees

## 2017-18

- Total appointments: **37,147**
- 34 clinicians
- 4 permanent psychiatrists
- 15 counseling trainees/interns
- 5 psychiatry fellows
- Embedded clinicians, drop in hrs
- Doctoral intern program
- NC State CAREs team
- Centennial clinic
- Stop the Stigma
- Mental Health Ambassadors



# Wellness Advisory Committee

- Human Resources
- College of Humanities and Social Sciences
- Office for Institutional Equity and Diversity
- Sustainability
- Counseling Center and Prevention Services
- Fraternity and Sorority Life
- Career Development Center
- Women's Center
- Libraries
- Disability Resource Office
- Office of Scholarships & Financial Aid
- Graduate Student Association
- Student Government
- Student Health
- Leadership and Civic Engagement
- Wellness and Recreation
- University Dining
- College of Agriculture and Life Sciences
- College of Natural Resources
- University Communications
- Athletics
- Health & Exercise Studies
- Living and Learning Communities
- DASA Development
- TRIO Programs

# Wellness and Recreation Center

- \$45 million project
- Student fee funded
- 82,000+ square feet
- Open October 2020



# Pack Essentials

## Campus Basic Needs Resources

Complete a Pack Essentials Application

### Food and Housing

NC State is dedicated to providing support for those who are food and/or housing insecure. From the Feed the Pack Food Pantry to temporary and emergency housing, there are resources for students across campus.

### Financial

Several entities across campus, including the Division of Academic and Student Affairs, offer emergency funds for student emergencies. You can also learn more about on-campus and part-time employment opportunities.

### Education

Departments across NC State offer educational support, high impact experiences, and opportunities for research funding and scholarships.

### Miscellaneous Campus Resources

Check out these resources from free computer software to clothes for an interview, and more.

### Student Ombuds Services

If you want to discuss your situation and review available resources in a confidential meeting with the Student Ombuds, you can schedule a face-to-face or phone meeting by calling 919.513.3401.

<https://dasa.ncsu.edu/pack-essentials/>

Link to Video: [https://www.youtube.com/watch?time\\_continue=3&v=nqSiuF8rPto](https://www.youtube.com/watch?time_continue=3&v=nqSiuF8rPto)

## Goal Two Initiatives - Open Your Mind

- Create the University College
- Implement the QEP - TH!NK
- Create an Academic Success Center
- Expand Access to High Impact Educational Programs



# University College - Established July 2015

- 700-800 Exploratory Studies students each year
- Home to Music, Health and Exercise Studies, Theatre, Dance Program
- 12 Academic Minors
- Global Perspectives and Interdisciplinary Entrepreneurship Certificates
- Honors and Scholars united
- UG Research, Fellowship Advising, First Year Inquiry, TH!NK
- Inter College Transfer and Walk-in Advising
- Advising Technology
- Courses and Curriculum

[Academic and Student Affairs](#) →[About](#)[Services and Resources](#)[Departments](#)[Giving](#)

# TH!NK Program

[Faculty Resources](#) ▾[About TH!NK](#) ▾[TH!NK Scholarship](#) ▾

## Higher-order skills in critical and creative thinking



Critical + Creative  
Thinking Process



What are Students  
and Faculty saying  
about TH!NK?



Intellectual Standards  
of Critical and  
Creative Thinking



Critical + Creative  
Thinking Process (still)



# Academic Success Center



# Academic Success Center at DH Hill

Second Floor of Stacks

Opens August 2020

- Tutoring
- Writing and Speaking Support
- Academic Coaching
- Supplemental Instruction
- Drop-in Advising and Career Counseling
- UG Research
- Innovation Lab







# The Academic Success Center



# Towards next generation maggot debridement the transgenic *Lucilia sericata* larvae that produce and secrete a growth factor

Rebecca J. Davis, Esther J. Belikoff, Ying Yan, Holly A. Wantuch, Helen L. F. ...  
Department of Entomology and Plant Pathology, North Carolina State University



## Relevance

Diabetes is a major public health care issue. 382 million people were reported to have diabetes in 2013 (<http://www.diabetesatlas.org>). Maggot debridement therapy (MDT) is the FDA-approved application of *Lucilia sericata* (green bottle fly) larvae to wounds, such as diabetic foot ulcers, to reduce infection, promote healing, and reduce inflammation. Larval excretions/secretions (ES) alter the wound environment, reduce inflammation, and promote formation of new tissue. ES contains a growth factor-BB (PDGF-BB) that binds to the PDGF receptor. Here, we present a novel approach to express in transgenic insects the ES of MDT with the power of

transgenic *L. sericata* that utilize expression systems to produce ES provides a proof of principle for MDT larvae with potential for

## Materials and Methods

For expression studies, total RNA was isolated from indicated tissues, DNase-treated, and cDNA was synthesized. SYBR Green qPCR was performed and expression levels were normalized to the 28S rRNA reference gene. Normalized expression was determined relative to the Tet-O PDGF only control. For protein studies, ES was collected by washing larvae and incubating them in Ringer solution + protease inhibitors +/- heat shock. ES was then removed for analysis and larvae were lysed and total protein isolated. Hemolymph was collected from the thorax of anesthetized adult flies after wing removal. Total protein concentration was assayed for each sample type and equal levels of total protein were utilized in a PDGF-B ELISA kit.

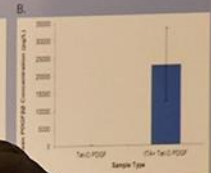
## Results: Heat shock-regulated PDGF-BB expression



## Results: tTA-regulated *pdgfb* expression



## PDGF-BB expression



## Steps

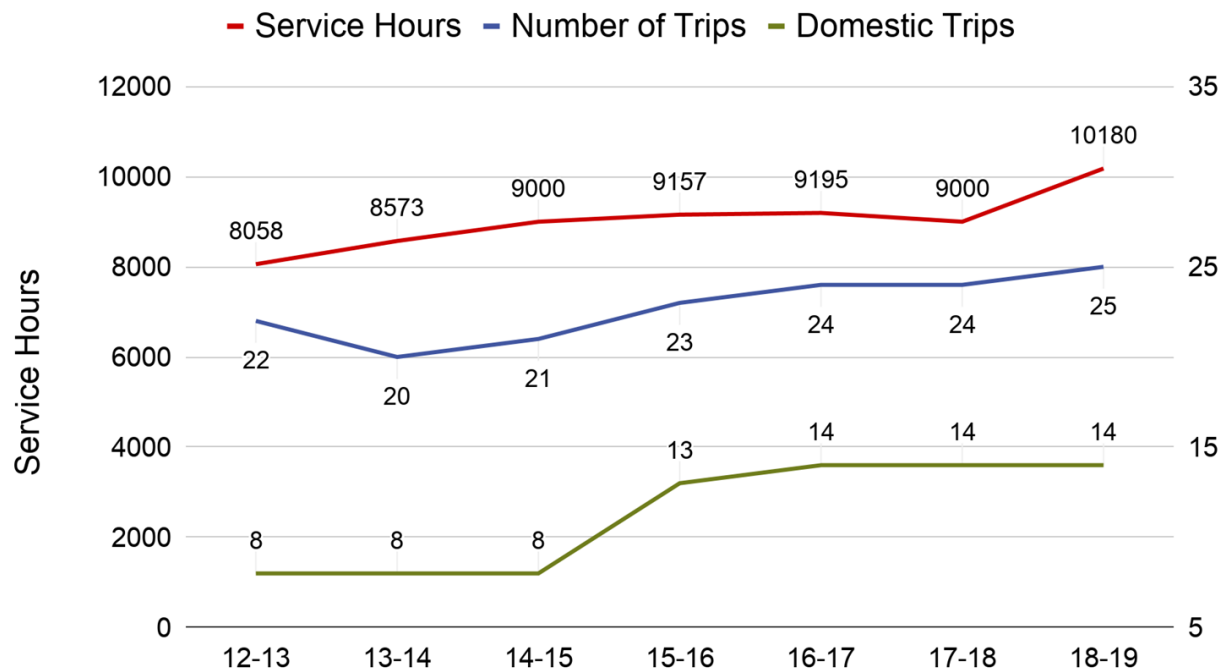
Production of human PDGF-BB conditional expression

Reports that 80 % of people in developing countries (<http://www.who.int>) may be a cost-effective solution for wound treatment modalities.

With alternative tTA regulated and/or antimicrobial factors, this may improve

**Expand Access to High Impact Educational Programs**

# Alternative Service Breaks - Leadership & Civic Engagement

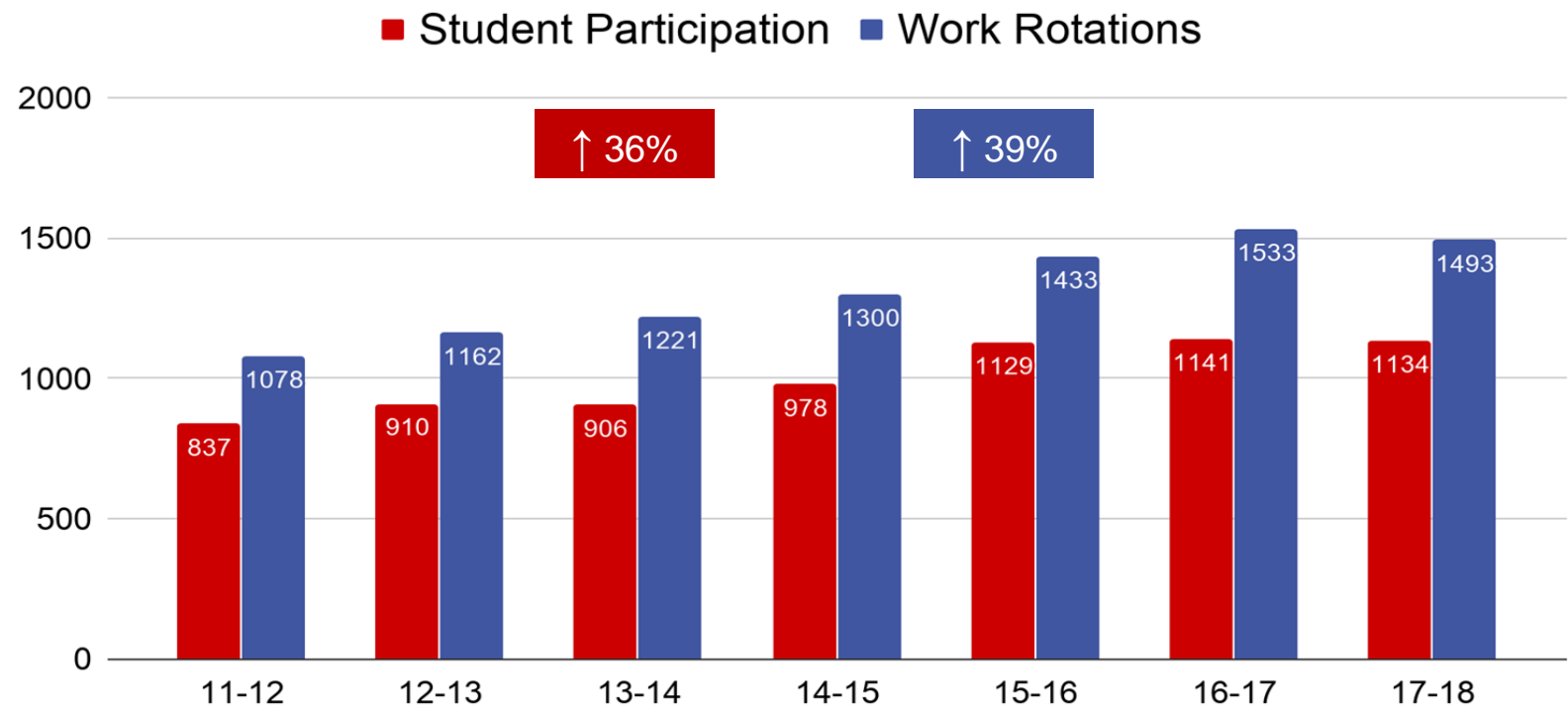
**Topics:**

Hunger, Housing, Diversity, Education, Environment, Sustainability, Water Quality, Gender Equality, Habitat, Energy, Social Justice

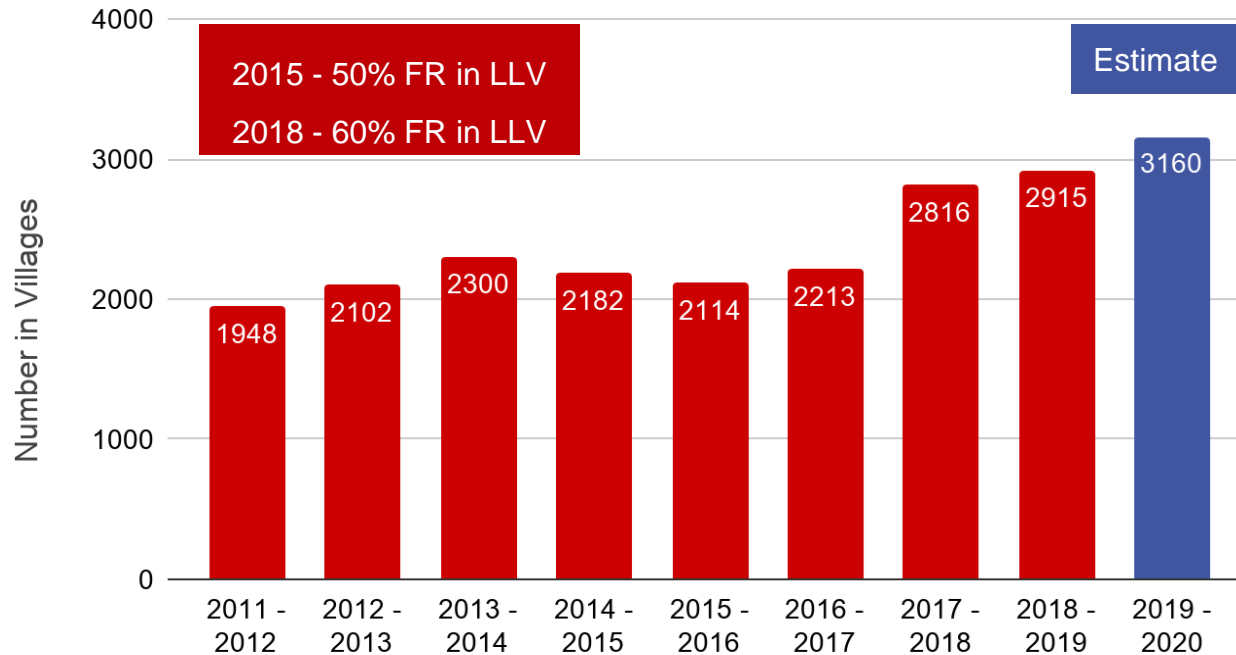
**Locations:**

Alaska, Belize, California, Costa Rica, Dominican Republic, Ecuador, Guatemala, North Carolina, Orlando, Peru, Philadelphia, Rwanda, San Francisco, Trinidad & Tobago, Washington DC, West Virginia

# Career Development Center - Co-operative Experiences



# Living and Learning Villages



10 LLV  $\Rightarrow \Rightarrow$  15 LLV  $\uparrow$

## Types

7 Special Interest

4 Advocacy

4 Academic

11 of 15 with linked courses

5 Scholars in Residence

## Largest Villages

Exploratory - 806

Engineering - 550

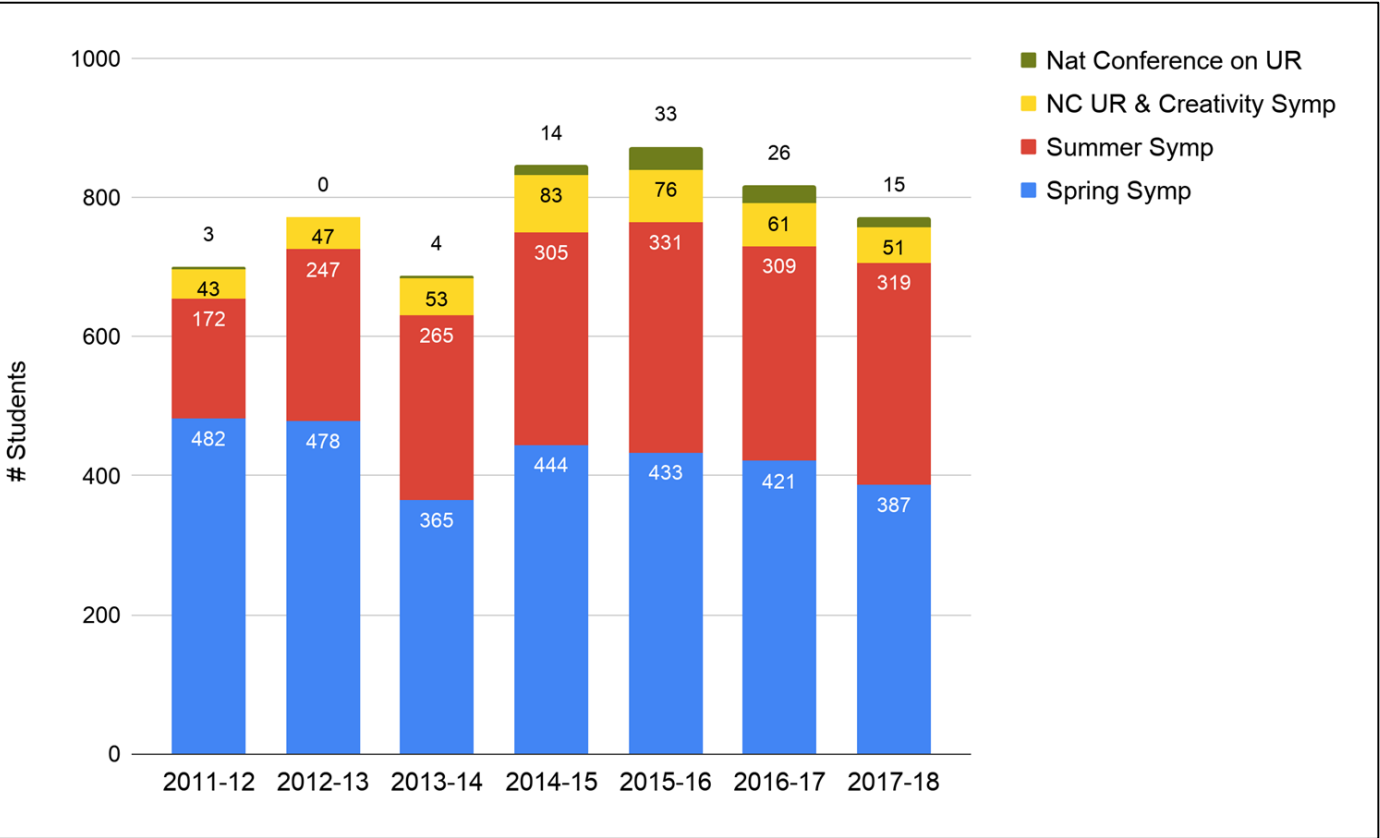
Honors & Scholars - 430

WISE - 330

Entrepreneurship - 183



# (Office of) Undergraduate Research



Modest gains in participation →

Research Awards:  
2011-12 - \$179,100  
2017-18 - \$131,001 ↓

Travel Awards:  
2011-12 - \$4,426  
2017-18 - \$12,762 ↑


State Science and Engineering Fair, 2018 for 5 years

Finalist for 2023 NCUR - 4,000+ UG researchers on campus



# Academic Performance - Athletics

Fall 2018



**3.004**  
student-athlete  
Cumulative GPA



**forty**  
student-athletes  
with a 4.0 term GPA



**303**  
student-athletes  
with a 3.0+ term GPA

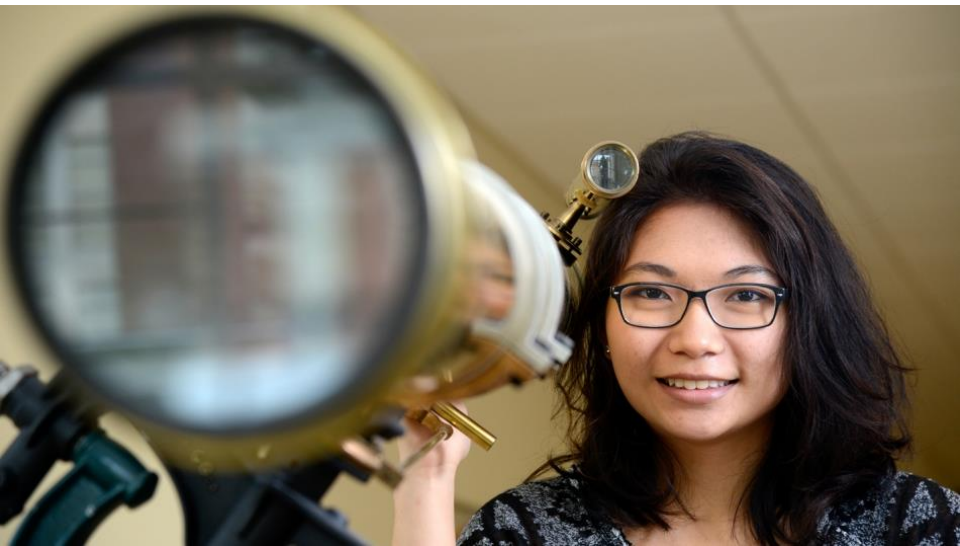


**fifteen**  
teams with a  
cumulative GPA of 3.0+

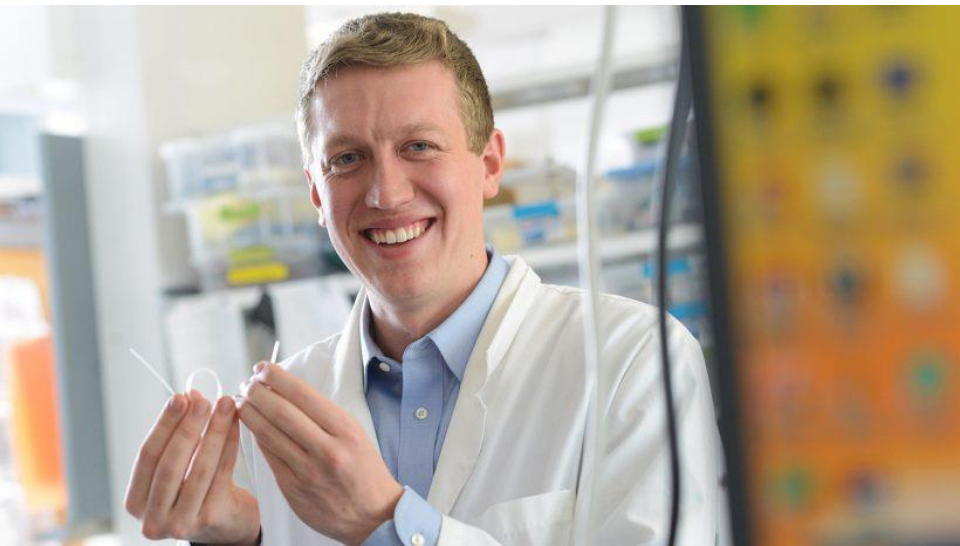
**RED**  
and  
WHITE

# Fellowship Advising Office: The Churchill

Mia de los Reyes  
Physics and Mathematics  
Spring 2016




Christopher Cooper  
Chemical Engineering and  
Economics  
Spring 2017



Link to Video: [https://www.youtube.com/watch?v=aFZhvNG\\_5OQ](https://www.youtube.com/watch?v=aFZhvNG_5OQ)





A large crowd of people is gathered outdoors, likely at a community event or fair. The background shows a grassy area with many people of various ages and ethnicities. In the foreground, a man in a suit and hat is talking to a young man in a striped shirt. To the right, a woman in a red shirt is talking to a man in a white shirt. The crowd is dense, and the atmosphere appears to be lively and social. A semi-transparent text box is overlaid on the image, containing the title and a list of initiatives.

## Goal Three Initiatives - Build Your Community

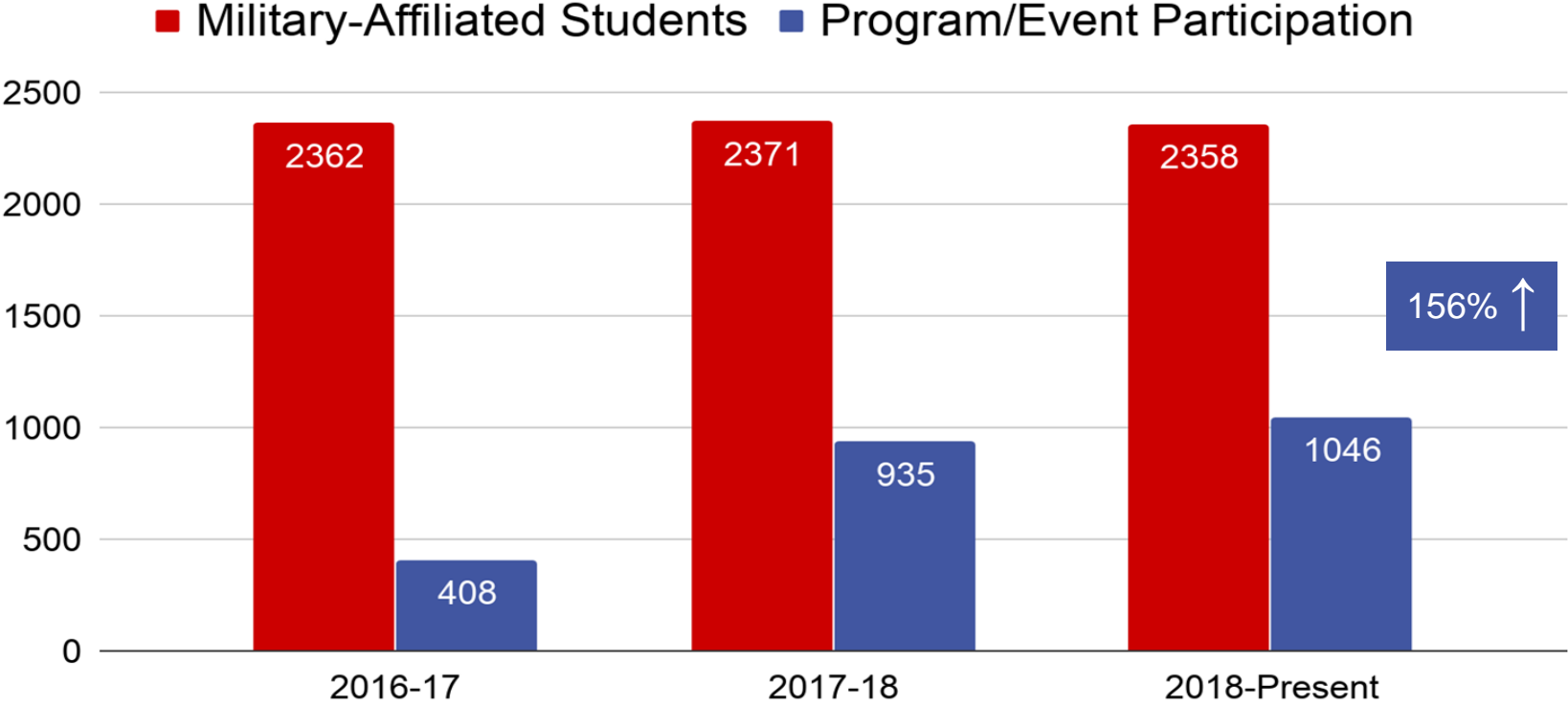
- Implement First-Year Live-on Requirement
- Open the Military and Veteran Services Office
- Create the Civically Engaged Scholars Program



## First-Year Live On Campus Requirement

	Fall 2016	Fall 2017	Fall 2018
FR Cohort Size	4229	4657	4845
Number in Housing	3319	4351	4793
% in Housing	78.5%	93.4%	98.9%

# Military and Veteran Services





# Civically Engaged Scholars

- 200 Civic Engagement Hrs in 4 Areas
  - Direct Service
  - Capacity Building
  - Community Research
  - Advocacy and Activism
- Foundations of Leadership
- Capstone



# Goal Four Initiatives - Serve the University

- Improve Curriculum Processes
- Improve Advising for All Students
- Develop Postvention Protocol



# Improve Curriculum Review and Approval Processes

- Streamlining and Clarifying Curriculum Processes
- Implementation of Course Inventory Management system
- Coordinating with Graduate School and Registration and Records on Program Inventory Management system

# Improve Advising for All Students

- University Academic Advising Council
- Walk in advising
- Inter-College Transfers
- Advisor Development Institute
- Transfer Student Coordinator
- International Student Support Coordinator

## I Am Student

Overview Success Progress History Class Info Major Explorer Path More ▾

Course Grade D/F	Repeated Courses	Withdrawn Courses	Missed Success Markers	Cumulative GPA
2 ▾	0	1 ▾	0	2.428 ▾
Total Credits Earned	Credit Completion % at this institution	Advising Indicator		
38.00	86%	<span style="color: red;">●</span> High <a href="#">View detail</a>		

BS - Some Degree

STUDENT ID  
  
CLASSIFICATION  
Junior  
MOST RECENT ENROLLMENT  
2019 Spring Term

Advisors  Tutors

Goals & Interests (supplied by the student)

Favorite Resources

None

Categories

Tags Manage Tags ▾



### Current Alerts 0

I want to...

- [Message Student](#)
- [Add a Note on this Student](#)
- [Add a Reminder to this Student](#)
- [Report on Appointment](#)
- [Create Request for Appointment](#)
- [Schedule an Appointment](#)
- [Add to Watch List](#)
- [Issue an Alert](#)

### Active Appt. Campaigns 0

Student is not involved in any active campaigns

### Student Info

### Your Success Team



Advisor





# Postvention Protocol

Provide direction, support, intervention, and other forms of assistance to NC State students and/or employees affected during a crisis situation so that the campus community can return to pre-crisis level of functioning. This is done by:

- ❖ stabilizing the environment
- ❖ reducing the risk of negative behaviors
- ❖ supporting the grieving or adjustment process
- ❖ if a suicide, limiting the risk of further suicides through contagion
- ❖ communicating with those needing to know
- ❖ providing administrative oversight and logistics support

## Goal Five Initiatives - Ensure Sustainability

- Create DASA Finance, Human Resources, and Tech units
- Initiate Division External Program Review
- Create a Marketing and Communications Group
- Create the DASA Development Office

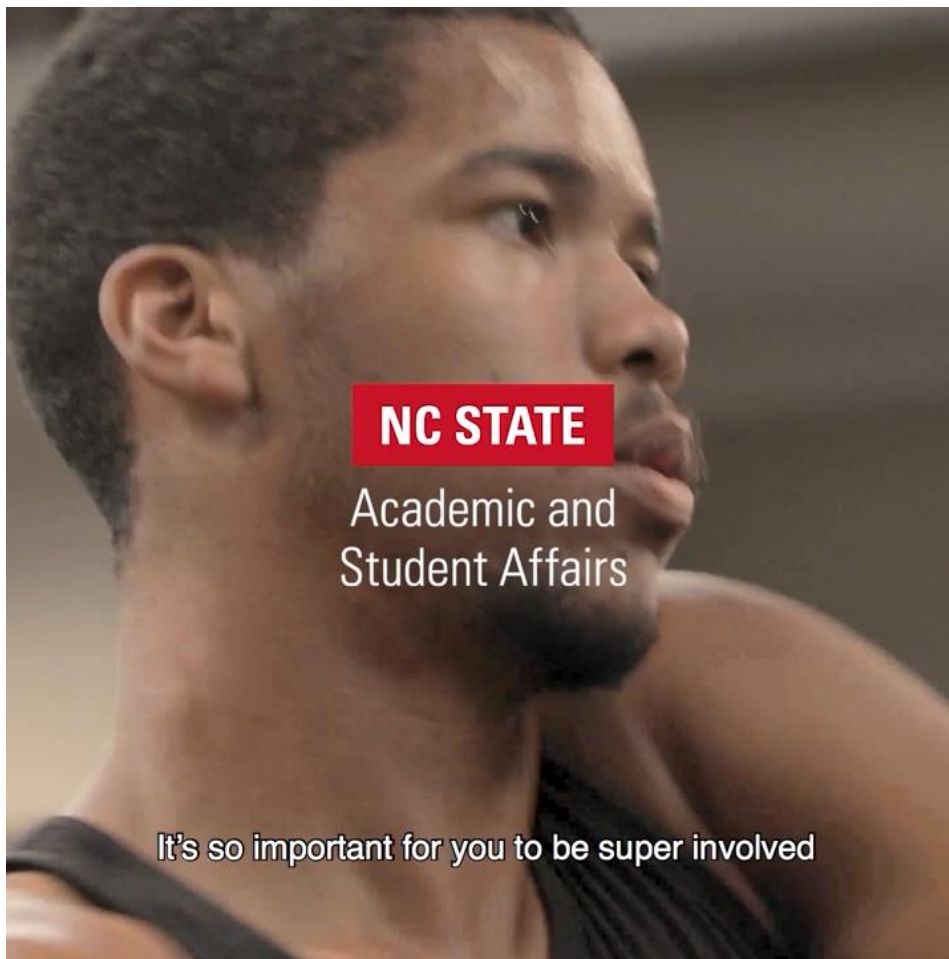




## DASA Development - Est. 2015

- March 2019 - achieved \$20M Think & Do the Extraordinary Campaign goal with \$20,047,441 raised
- Pack Essentials - \$325K raised in year one – and our goal is to endow the program at \$2M
- Gregg Museum building campaign completed
- 30+ endowments created

Matthew Wright, 2018  
Bachelor of Graphic Design



Link to Video:

[https://www.youtube.com/watch?v=P-nrwcVe\\_5s](https://www.youtube.com/watch?v=P-nrwcVe_5s)



# Student Success

UG 1<sup>st</sup> yr.  
retention

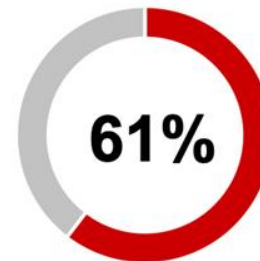
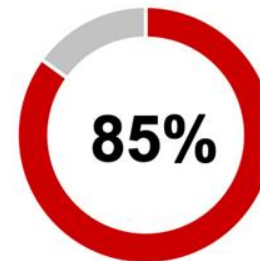
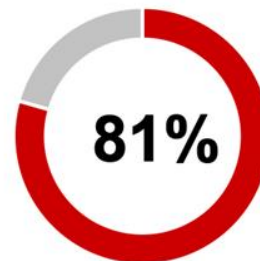
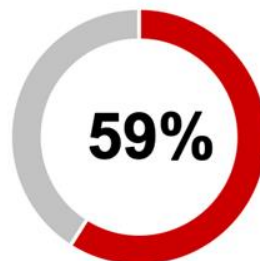
UG 4-yr.  
completion

UG 6-yr.  
completion

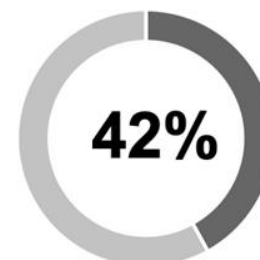
Master's 4-yr.  
completion

Doctoral 6-yr.  
completion

**2017-18**



**2010-11**



A large crowd of graduates in red caps and gowns, cheering and celebrating. The graduates are densely packed, filling the frame. Many are raising their hands, clapping, or shouting. The scene is filled with a sense of joy and accomplishment. A semi-transparent white banner with black text is centered over the middle of the image.

This Is Why We Do What We Do