Britney Jo Carroll (MFA 2009) stands in front of her acrylic on wood panel creation. Since graduating from WCU, Britney has given solo and group exhibitions of her work around the Southeast. Her artwork explores gender roles and stereotypes, and her portfolio is available at britneyjocarroll.com.

March 30, 2017 | 9:30 a.m. - 6:30 p.m. | University Center
graduatesymposium.wcu.edu | #RASC17
TWENTY-FIFTH ANNUAL
Graduate Research Symposium

March 30, 2017  |  9:30 a.m. - 6:30 p.m.  |  University Center

Welcome to the Twenty-Fifth Annual Graduate Research Symposium! Since 1992, the Graduate Research Symposium, sponsored by Graduate School and Research, has provided graduate students the opportunity to showcase their scholarly research and projects, and I want to express my sincere appreciation to you for sharing your excellent work with your classmates, colleagues, and faculty. I express my warm thanks to all participating faculty and staff mentors: your active and continuing support and encouragement of your students and their research is the hallmark of Western’s graduate education experience.

For many of you, this will be your first opportunity to share empirical findings and creative works with the academic community. Today, you take a step in becoming recognized as a scholar in your chosen discipline. The skills you learn as part of the research process and your ability to convey that research in writing and in person will enable you to share your knowledge, intellectual passion, and commitment to ideas and to your discipline and profession. Congratulations on this significant milestone in your academic development!

It is my hope that your experience inspires you to continue to contribute to our understanding of all areas of knowledge in the arts, humanities, education, health, social sciences, business, and sciences. You are helping to shape the future and the important issues facing our region, state, and world, and what you are doing today as students is just the beginning of all you can do to make a true difference. Thank you. I look forward to meeting each of you personally and to talking with you about your important work and your plans for the future.

Please join your faculty mentors, colleagues, and members of the Graduate School at the research posters that will be viewable starting at 3:00 PM on Wednesday, 29 March, at the Ramsey Center. The thirteen concurrent oral presentation sessions will be starting at 9:30 AM in the University Center on Thursday, 30 March. This year we have featured undergraduate oral presentations leading off some of the oral sessions to better integrate our graduate and undergraduate research. In addition, we have a guest keynote speaker, Dr. Anthony Graham, Dean of the College of Education at North Carolina A & T University. The oral presentations will be followed by the reception and awards ceremony, in your honor, in the University Center Grand Room starting at 5:00 PM, on Thursday 30 March. We look forward to seeing you and to celebrating your excellence!

Brian D. Kloeppel, Ph.D.
Dean, Graduate School and Research

Activities Overview

Wednesday, March 29, 2017
6:00 – 7:30 p.m.
Graduate Poster Presentations… Ramsey Center

Thursday, March 30, 2017
9:30 a.m. - 6:30 p.m.
Graduate Oral Presentations and Reception………………… University Center

9:30 a.m.
Higher Education Student Affairs/
Educational Leadership/
Natural Resources………………… Catamount Room

Technology ………………………… Dogwood Room

11:00 a.m.
Keynote Address…………………………… UC Theater

12:30 p.m.
Social Work/Nursing/
Nutrition ……………………………… Catamount Room

Psychology/Fine Arts ………………………… Dogwood Room

Psychology/Criminal Justice/
Human Services ………………………… Multipurpose Room

2:00 p.m.
Chemistry/Nursing ………………………… Catamount Room

Psychology ………………………… Dogwood Room

Biology/Chemistry ………………………… Multipurpose Room

2:45 p.m.
Physical Therapy ………………………… UC Theater

3:30 p.m.
Biology ………………………… Catamount Room

English/History ………………………… Dogwood Room

Psychology ………………………… Multipurpose Room

5:00 p.m.
Reception and Awards …………………… Grand Room

Student News Releases

WCU’s Office of Communications and Public Relations routinely sends news releases about student activities and honors to the hometown/local newspapers of the students involved. Students participating in the Graduate Research Symposium who wish to take advantage of that service should visit the website studentawards.wcu.edu to complete an online form and submit it via email to the Office of Communications and Public Relations.

Questions can be emailed to rholcomb@wcu.edu.

Western Carolina University

Western Carolina is a campus of the University of North Carolina system and enrolls more than 10,000 students. WCU is located in a beautiful valley between the Blue Ridge and Great Smoky Mountains, an hour west of Asheville, N.C., and 2.5 hours northeast of Atlanta, Ga. Here you will find convenient access to a region that offers tremendous opportunities for outdoor research and recreation. Engagement of students and faculty in service learning and other community activities are a critical part of WCU’s tradition of academic excellence.

Join us on social media!
Live tweet, snap pictures and continue the conversation.

WESTERN CAROLINA UNIVERSITY
2017 GRADUATE RESEARCH SYMPOSIUM | #RASC17
6 – 7:30 p.m.
Poster Session
Ramsey Center
Poster Judges: Nadia Marconi, Drew Virtue, Nelson Granda-Marulanda

Analysis and Testing of Fishing Line
James Bray; Sponsor: Wes Stone

What is your Position? A Study of the Intellectual Development of Minorities in STEM
Terry Chavis; Sponsor: April Perry

A Boring Study to Get Excited About: Boredom Types and Gaze Patterns
Ashley Dillard, Garrett Goodwin, Kristy Gasket; Sponsor: Ellen Sigler, Christopher Holden

A Neuroprosthetic to Assist People with Muscle Weakness
Reza Farsad Asadi; Sponsor: Martin Tanaka

3D Audio Sound Localization with Non-Equidistant Speakers
Kaleb Frizzell; Sponsor: Robert Adam

Slider Crank Mechanism for Wave Energy Conversion (WEC): An Experimental Study
Andrew Fowler; Sponsor: Sudhir Kau

Multi-Sensor Fusion and Integration for Assistive Robotics
Oscar Gamaz; Sponsor: Paul Yanik

Exploring the Relationship between Contingencies of Masculinity and Self-esteem
Garrett Goodwin, Kristen Metcalf; Sponsor: Erin Myers, Chris Holden

Engineering Metamaterials to Improve Upconversion of Lanthaneide Doped Nanoparticles to Improve Up-Conversion
Weaver Haney; Sponsor: Martin Tanaka, Channa DeSilva, Bill Yang, David Evanoff

Are They Really At-Risk? Using Noncognitive Factors to Predict Academic Success
Devan Lalas; Sponsor: Brandi Hinnant-Crawford

Synthesis and Characterization of Time-Resolved Fluorescence Probes for the Potential Detection and Improved Study of Melanoma Cancer
Brian Love; Sponsor: Brian Dinkelmeyer

Jeer Pressure: The Effects of Status on Conformity
Riley McCallus, Garrett Goodwin, Anna Schnerre ; Sponsor: Thomas Ford

Application of Enhancement Strategies for the Improvement of Forensic DNA Profiling from Human Bones
Jessica McLamb; Sponsor: Kelly Grisedale

Optimal Control for Efficient Electric Heating
Jairo Nevarez; Sponsor: Bora Karayaka

An Investigation of Trekking and Hiking Poles
Jacob Palmer; Sponsor: Wes Stone

Detecting Induced Surface Currents in Plasmon Excitation Fields
Trevor Parrish; Sponsor: Weiguo Yang

Proposal for a Formative Evaluation of a Service Array for Individuals with Intellectual and Developmental Disabilities with Co-Occurring Mental Health Diagnoses
Ric Rappold; Sponsor: Amy Murphy-Nugen

Comparing Treatment Modalities for Substance Use Disorders
Kelsey Reep, Catherine Hudson; Sponsor: Amy Murphy-Nugen

Are Student-Athletes Receiving the Same Education as Their Collegiate Peers?
Jessica Resler, Kourtney Kirby; Sponsor: April Perry

Size Optimization of Battery-Supercapacitor Hybrid Energy Storage System for 1MW Grid Connected PV Array
Pranoy Kumar Singha Roy; Sponsor: Bora Karayaka

Perceptions of Agentic Women and Modest Men in Flirtatious Interpersonal Interactions
Anna Schnerre, Riley McCallus; Sponsor: Erin Myers

Age-Grading of Aedes Triseriatus Mosquitoes Using Infrared Spectroscopy
Lamyae Sroute; Sponsor: Scott Huffman

Writing Across Genres Within The High Functioning Autism Spectrum Disorder Population: Vocabulary Analysis
Virginia Weaver, Megan Black, Megan Schmidt; Sponsor: Johanna Price

Perceived Effects of Dialect on Clinical Practice
Caitlin Williams, Kalie Deaton; Sponsor: Georgia Hambrecht, Tracie Rice

“Research is to see what everybody else has seen, and to think what nobody else has thought.”
Albert Szent-Gyorgyi (Hungarian Biochemist, 1937 Nobel Prize for Medicine, 1893-1986)
9:30 a.m. – 5:00 p.m.
Oral Presentations
University Center
* Featured Undergraduate presenters

9:30 – 10:45 am
Natural Resources / Higher Education Student Affairs / Educational Leadership
UC 215 – Catamount Room
Moderator: Yancey Gulley

Evaluating Recycling in Two Classroom Buildings at Western Carolina University
Presenter*: Issac Hayes, Anthony Galavotti, Pasquale Scotto Diclemente, Danielle Green
Sponsor: Laura DeWald

The Game of Loans: Exploring the Effects of the Financial Aid System
Presenter: Kelsey Woodford
Sponsor: April Perry, Carson Williams

Transitioning From Congregate Reality to Collegiate Reality
Presenter: Jennifer Stewart, Kourtney Kirby, Brittany Cotton, Jill VanOrder
Sponsor: April Perry

What is your Position? A Study of the Intellectual Development of Minorities in STEM
Presenter: Terry Chavis
Sponsor: April Perry

Developing Teacher-Leadership by Employing an Improvement Science Framework for Organizational Problem Solving
Presenter: Rebecca Ensley
Sponsor: Robert Crow

9:30 – 10:45 a.m.
Technology
UC 212 – Dogwood Room
Moderator: Yanjun Yan

Simulating Micro-robots to Find a Point of Interest under Noise and with Limited Communication Using Particle Swarm Optimization
Presenter: Matthew Stender
Sponsor: Yanjun Yan

An Analysis of Parameters Effecting Volumetric Airflow and Efficiency of an Ionic Air Moving Device
Presenter: Aaron Griffin
Sponsor: Michael June

Testing And Analysis of Glass Fiber Reinforced Polymers in Pin Loaded Connections
Presenter: Nathaniel Franks
Sponsor: Robert Steffen

“Contrary to what Asimov says, the most exciting phrase in science, the one that heralds new discoveries, is not ‘Eureka!’ or ‘That’s funny...’ it’s ‘Your research grant has been approved.’”

John Alejandro King (American Comic)
11:00 a.m.
Keynote Address
University Center Theater

Dr. Anthony Graham
Dean, College of Education
North Carolina A&T University

The Elusive Fifth Loop—Challenging Oneself to Engage Diverse Learners

As a scholar, Graham presented research on African-American adolescent students and the construction of their academic and ethnic identities at various international, national and state conferences. His research focuses specifically on the effective pedagogies that engage K-12 African-American male students as well as on the sociocultural and sociopolitical experiences of those students.

Graham has published a variety of book chapters, peer-reviewed journal articles, coauthored a book and has been awarded several grants totaling $8.15 million, including awards from the National Science Foundation and the United States Department of Education. He has created and coordinated numerous initiatives to increase the number of racial and ethnic minority students who matriculate to four-year institutions of higher education and who enter the teaching profession in under-resourced and hard-to-staff rural and urban schools. He was also recently named one of the Top Young Executives and Professionals in the United States.

A highly-sought after professional development workshop facilitator for K-12 public school educators, Graham believes in sharing his message of optimism, collective efficacy, critical consciousness, servant leadership and social activism.

Graham received a Ph.D. in Curriculum and Teaching with a cognate in Multicultural Education, a master’s degree in secondary English Education from the University of North Carolina at Greensboro and a bachelor’s degree in English from the University of North Carolina at Chapel Hill.

12:30 – 1:45 p.m.
Nutrition/ Social Work / Nursing
UC 215 – Catamount Room
Moderator: Amy Murphy-Nugen

Evidence Analysis of the Effects of the Paleolithic Diet on Body Composition and Blood Lipids in the Healthy Population

Presenter*: Lauren Ginocchio, Sam Pattillo
Sponsor: Brenda Marques

Oral Magnesium Supplementation for the Treatment of Cardiovascular Disease: An Evidence Analysis

Presenter*: Katelyn Mayberry
Sponsor: Brenda Marques

Barriers, Strengths and Solutions in the Post Hospital Treatment of Babies with Neonatal Abstinence Syndrome and Their Mothers in Western North Carolina: A Delphi study

Presenter: Angela Lewis-Myers
Sponsor: Turner Goins

Proposal for a Formative Evaluation of a Service Array for Individuals with Intellectual and Developmental Disabilities with Co-Occurring Mental Health Diagnoses

Presenter: Ric Rappold
Sponsor: Amy Murphy-Nugen

Improving Outcomes with Enhanced Education

Presenter: Patti Sparling
Sponsor: Sarah Mannle, Carol MacKusick

“Research is formalized curiosity. It is poking and prying with a purpose.”

Zora Neale Hurston (American Novelist and Playwright, 1903-1960)
12:30 – 1:45 p.m.
Art & Design / English / Fine Arts
UC 212 – Dogwood Room
Moderator: Brian Gastle

Designer’s Tote Bag
Presenter*: Vincent Cuffee II, Tuyen Tram
Sponsor: Betty Torrell

A Diplomatic Transcription of Robert Venoy Reed’s Personal Narrative
Presenter: Kristin Fulp, Samantha Randolph, Michele Greener
Sponsor: Brian Gastle

Memories from Santo Tomas: Carr Hooper’s Account of Internment
Presenter: Craig Hawley, Laura Patterson, Scott Hufham, Margaret Williams
Sponsor: Brian Gastle

Evidence of Africans in the Bible
Presenter: Donald Sawyer
Sponsor: Erin Tapley

More Than Suggestions: The YouTube Algorithm’s Impact on Digital Rhetoric
Presenter: Andrew Robinette
Sponsor: Jonathan Bradshaw

12:30 – 1:45pm
Human Services / Criminal Justice / Psychology
UC 232 – Multipurpose Room
Moderator: Lori Unruh

Determining the best practices to defend the financial services sector through undergraduate research
Presenter*: Madison Benton
Sponsor: Tom Johnson

Research Study Conducted on the Jackson County Greenway
Presenter*: Mallary Caraway, Thomas Hyatt, Rob Duplak
Sponsor: Ben Tholkes

An Examination of Individual Stressors and their Co-Occurrence
Presenter: Caitlyn Stone
Sponsor: Jamie Vaske

Free Play, Stress, and Depression in College Students
Presenter: Lauren Conder
Sponsor: Bruce Henderson

2:00 – 3:15 p.m.
Chemistry / Nursing
UC 215 – Catamount Room
Moderator: Brian Dinkelmeyer

Characterization of Amino Acids Critical to alpha-Glycerophosphate Oxidase Catalysis
Presenter*: Alma Plaza-Rodriguez
Sponsor: Jamie Wallen

Hope for the Homeless
Presenter*: Megan Burnette, Kelsey Vaughn, Savannah Henderson
Sponsor: Elizabeth Sexton

Biosorption of Aqueous Metal Ions onto Ground Peanut Hulls
Presenter: Melisa Glatte
Sponsor: Carmen Huffman

Chemical and Physical Properties of Natural and Modified Ground Peanut Hulls
Presenter: Holly Truluck
Sponsor: Carmen Huffman

Adsorption of Copper(II) by Peanut Hulls in a Fixed-bed Continuous Flow Column
Presenter: Tyler Cook
Sponsor: Carmen Huffman

“I mean, I enjoy my work as an actor. But to make a difference in people’s lives through advocacy and through supporting research - that’s the kind of privilege that few people will get, and it’s certainly bigger than being on TV every Thursday for half an hour.”

Michael J. Fox (American Actor, 1961-present)
2:00 – 3:15 p.m.
Psychology
UC 212 – Dogwood Room
Moderator: Erin Myers

Effect of Attentional Focus on Cognitive Fatigue and Performance During a Golf Putting Task
Presenter: Alyssa Morahan, Kait Henderson, Jade Estes
Sponsor: Winford Gordon

Associations Between the Three-Factor Model of Internalizing Dysfunction and Distress Disorders
Presenter: Jacob Warszawski
Sponsor: David McCord

Relationships Between Lifestyle Factors and Internalizing Behavior
Presenter: Emily Hooker
Sponsor: David McCord

Alcohol and Nightmares in Black and White Veterans
Presenter: Tari Cox
Sponsor: David McCord

2:00 – 3:15 p.m.
Biology / Chemistry
UC 232 – Multipurpose Room
Moderator: Sean O’Connell

Creation and Characterization of a Fluorescently-tagged Proteasomal Cell Line for use in Protein Aggregation Studies
Presenter*: LaMoyne Ebert
Sponsor: Robert Youker

Discovery, characterization and comparison of potential A1 bacteriophages Punchy, Cherub, StarDust, FireFlyEcho, and Crispicous1
Presenter*: Courtney Buchanan, Emily Weatherman, Jennifer Burns, Mechelle Norton
Sponsor: Maria Gainey, Jamie Wallen, Megan Eckard

Age-Grading of Aedes Triseriatus Mosquitoes Using Infrared Spectroscopy
Presenter: Lamyae Sroute
Sponsor: Scott Huffman

µPAD Based Mixture Analysis of Organic Acid Solutions
Presenter: Buddhika Liyana Pathirannahel
Sponsor: Scott Huffman

“Research is formalized curiosity. It is poking and prying with a purpose.”
Zora Neale Hurston (American Novelist and Playwright, 1903-1960)
2:45 – 4:45 p.m.
Physical Therapy
UC 315 - Theater
Moderator: John Carzoli

An Investigation into Injury Risk Factors and Epidemiology Associated with Musculoskeletal Injuries in Collegiate Dance Team Members
Presenter: Jaclyn Redman, Samantha Moore, Audrey Stokes, Emily Moore, Michael Ferguson, Justin Halstead
Sponsor: Todd Watson, Jessica Graning

Effectiveness of Get Some Balance in Your Life on Reducing Fall Risk in Community Dwelling Older Adults
Presenter: Emily Van Schagen, Kelly Yerkes, Taylor Kent, Taylor Gentry, Chris LeCroy, Leanna Purvis
Sponsor: Lori Schrodt

Effectiveness of Get Some Balance in Your Life on Reducing Fall Risk in Community Dwelling Older Adults
Presenter: Emily Van Schagen, Kelly Yerkes, Taylor Kent, Taylor Gentry, Chris LeCroy, Leanna Purvis
Sponsor: Lori Schrodt

Effectiveness of Get Some Balance in Your Life on Reducing Fall Risk in Community Dwelling Older Adults
Presenter: Emily Van Schagen, Kelly Yerkes, Taylor Kent, Taylor Gentry, Chris LeCroy, Leanna Purvis
Sponsor: Lori Schrodt

3:30 – 4:45 p.m.
Biology
UC 215 – Catamount Room
Moderator: Robert Youker

Effects Of Nest Building Behavior On Incubation And Reproductive Success In Carolina Chickadees (Poecile Carolinensis)
Presenter: Traci Ballance
Sponsor: Barbara Ballentine

The Discovery of a Novel Bacterial Species Found in Great Smoky Mountains National Park
Presenter: Tori Carlson
Sponsor: Sean O’Connell

Classification of a Novel Erwinia Species from the Oconaluftee River, Great Smoky Mountains National Park
Presenter: Rob McKinnon
Sponsor: Sean O’Connell

A New Genus of Enterobacteriaceae Isolated from Kephart Prong, Great Smoky Mountains National Park
Presenter: Kacie Fraser
Sponsor: Sean O’Connell

Taxonomy and Phylogeny of the Genus Diervilla (Diervillaceae)
Presenter: Hannah Meeler
Sponsor: Katherine Mathews

“"If we knew what it was we were doing, it would not be called research, would it?"”
Albert Einstein (Theoretical Physicist, 1879-1955)
3:30 – 4:45 p.m.

**English / History**

UC 212 – Dogwood Room  
Moderator: Elizabeth McRae

**The Journey of Electricity with Medicine: A Historical Perspective**  
Presenter*: Rachel Stamey  
Sponsor: Vicki Szabo

**The Schoolteacher’s Rebellion: Victor Montejo’s Testimony and the Literature of Survival**  
Presenter: Margaret Williams  
Sponsor: Jonathan Bradshaw

**Knowing the Enemy: Miscalculations in American Counterinsurgency**  
Presenter: Matthew Buchanan  
Sponsor: Alexander Macaulay

**U.S. Diplomacy during the Civil War and Reconstruction: The Stretch Towards the Caribbean, 1860-1877**  
Presenter: Kyle Dreher  
Sponsor: Alexander Macaulay

**Transgender Representations in Comics: How Circulatory Constraints Allow Comic Books to Respond to Rhetorical Situations.**  
Presenter: Aramis Martinez  
Sponsor: Jonathan Bradshaw

**Nationalism as Disability: Disappearance of the Body and the Self in Hector Tobar’s The Tattooed Soldier**  
Presenter: Crystal Plemmons  
Sponsor: Paul Worley

---

3:30 – 4:45 p.m.

**Psychology**

UC 232 – Multipurpose Room  
Moderator: Tom Ford

**Correlates of Substance Use Problems in College Students**  
Presenter: Elizabeth Combs  
Sponsor: Kia Asberg, Alyssa Raggio

**Textbook Reading Behaviors and Learning Beliefs Among Undergraduate Students**  
Presenter: Jennifer Miller  
Sponsor: Bruce Henderson

**Coloring in the Classroom: Long-Term Memory Recall**  
Presenter: Oceann Stanley  
Sponsor: Ellen Sigler, Taylor Broadway

**Exploring Social-Emotional Competence and Personality in Preschoolers**  
Presenter: Shana Ingram  
Sponsor: Cathy Grist

---

* indicates a valid presenter.
Research Paper Competition Participants
Judges: Turner Goins, Vicki Szabo, Carrie Rogers

Characterization of DNA Polymerase Gamma in Cryptococcus neoformans
Joshua Boggs, Biology – M.S.

The Turn of the Tide: How a Force for Peace Led to War
Matthew Buchanan, History – M.A.

A Theoretical Study of Minority Persistence in STEM through the Lens of Perry’s Intellectual and Ethical Development Theory
Terry Chavis, Higher Education Student Affairs – M.Ed.

The Controversial History and Relevance of Gender Dysphoria
Elizabeth Combs, Psychology (General) – M.A.

Eve’s Dream
Brandon French, English – M.A.

Women’s Perception about Their Post-Secondary Education Experience During Incarceration
Michelle Frerich, Social Work – M.S.W.

Poverty and Disability
Mary Ann Hardman, Special Ed: Adapted Curriculum – M.A.T.

LGBT Hate Crimes and the Hate Crime Prevention Act
Jordan Harless, Social Work – M.S.W.

Transgender Representations in Comics: How Circulatory Constraints Allow Comic Books to Respond to Rhetorical Situations.
Aramis Martinez, English – M.A.

Restoring Threatened Masculinity: The Appeal of Sexist and Anti-gay Humor
Emma O-Conner, Noely Banos; Psychology (General) – M.A.

Nationalism as Disability: Disappearance of the Body and the Self in Hector Tobar’s The Tattooed Soldier
Crystal Plemmons, English – M.A.

Proposal for a Formative Evaluation of a Service Array for Individuals with Intellectual and Developmental Disabilities with Co-Occurring Mental Health Diagnoses
Ric Rappold, Social Work – M.S.W.

Comparing Treatment Modalities for Substance Use Disorders
Kelsey Reep, Catherine Hudson; Social Work – M.S.W.

Are Student-Athletes Receiving the Same Education as Their Collegiate Peers?
Jessica Resler, Higher Education Student Affairs – M.Ed.

Strengths Based Case Management: Empowering Families Experiencing Homelessness
Sarah Robertson, Social Work – M.S.W.

Social Policies Following Youth Emancipated from the Foster Care System
Sarah Robertson, Social Work – M.S.W.

Positive Psychology Interventions for Depression
Rachel Saumby, Social Work – M.S.W.

Transitioning From Congregate Reality to Collegiate Reality
Jennifer Stewart, Kourtney Kirby, Brittany Cotton, Jill VanOrder; Higher Education Student Affairs – M.Ed.

Let’s Talk About Chalk: The Search for Useful Knowledge in a Rhetorical Ecology
Margaret Williams, English – M.A.

Three Minute Thesis Award Winners
Judges: David Kinner, Sheila Meadows Kristopher Reis, Julie Spiro

First Place
Kelsey Woodford, Higher Education Student Affairs
Financial Aid or Financial Burden? The Cost of Higher Education

Second Place
Terry Chavis, Higher Education Student Affairs
What is your Position? Using Perry’s Intellectual and Ethical Development Theory to Understand Minority Student Development in the STEM Curriculum

People’s Choice
Kourtney Kirby, Higher Education Student Affairs
I Guess They Like Me: A Study of Student-Athlete Perceptions of Faculty Attitudes at WCU
MFA student Donald Sawyer, Jr. discusses his work with MFA Program Director Tom Ashcraft. Graduate programs at Western Carolina University provide students rich opportunities to work closely with faculty on creative and research projects and to explore new ideas and techniques.