WIC- Women, Infants, and Children
Haylee Andrews
Pittsburgh, PA
Major: Neuroscience • Minor: Global Health Studies
RESEARCH MENTOR: Caryl Waggett (Environmental Science and Global Health Studies) and Lorie Darcangelo (Meadville - WIC)
FUNDING: Howard Hughes Medical Institute (Global Health Program)

An Evaluation of Oxidative Stress-Related Enzymes in Haemophilus ducreyi
Michael Arcieri
York, PA
Major: Biochemistry • Minor: Undecided
Grace Flowers
Oakmont, PA
Major: Biology • Minor: Psychology
RESEARCH MENTOR: Tricia Humphreys (Biology, Biochemistry, Global Health Studies)
FUNDING: Richard J. Cook and Teresa M. Lahti Student-Faculty Research Endowment

Growth in Africa: Another False Start or a Sustainable Path to Development?
Mackenzie Bluedorn
Pittsburgh, PA
Major: Economics • Minor: German
RESEARCH MENTOR: Steven Onyeiwu (Economics)
FUNDING: Howard Hughes Medical Institute (Global Health Program)

Assessing Food Security Using NEMS-S in the Consumer and Community Nutrition Environment in Meadville, PA
Alyssa Brindle
Denville, NJ
Major: Global Health Studies • Minor: Psychology
RESEARCH MENTOR: Caryl Waggett (Environmental Science and Global Health Studies)
FUNDING: MARC Wellness Center Project

Male Earwig Reproductive Anatomy: A Sperm’s Journey
Samantha Catalano
Meadville, PA
Major: Neuroscience • Minor: Spanish
Laura Holesh
Gibsonia, PA
Major: Neuroscience • Minor: Biology
RESEARCH MENTOR: Susan Rankin (Biology)
FUNDING: Howard Hughes Medical Institute (Global Health Program)

Thermal Effects on Jumping Kinematics in Plethodontid Salamanders
Eric Conners
Bridgeville, PA
Major: Biology • Minor: Psychology
RESEARCH MENTOR: Lisa Whitenack (Biology)
FUNDING: Edward David Class of 1961 Faculty Support Fund

continued
Shocking Revelations: The Performance of Electricity
Stephanie Engel
Fort Worth, TX
Major: Theatre • Minor: History

Nathaniel Freed
Stoneboro, PA
Major: Mathematics • Minor: Latin

RESEARCH MENTOR: Beth Watkins (Communication Arts/Theatre)
FUNDING: The Andrew W. Mellon Foundation Grant for Collaborative Undergraduate Research in the Humanities at Allegheny College

The Impacts of Acid Rain Simulation on Insects
Heather Fish
Albuquerque, NM
Major: Environmental Studies • Minor: Values, Ethics, Social Action

RESEARCH MENTOR: Beth Choate (Environmental Sciences)
FUNDING: Edward David Class of 1961 Faculty Support Fund

NW PA Heritage Project
Brennen French
Albion, MI
Major: Art • Minor: Undecided

RESEARCH MENTOR: Amelia Carr (Art)
FUNDING: The Andrew W. Mellon Foundation Grant for Collaborative Undergraduate Research in the Humanities at Allegheny College

The 50 State Quarters Program®: What You See Isn’t Necessarily What You Get
Dalton Johnson
Franklin, PA
Major: History • Minor: Philosophy

Zachary Palmer
Waterford, PA
Major: History • Minor: French

RESEARCH MENTOR: Ian Binnington (History)
FUNDING: The Andrew W. Mellon Foundation Grant for Collaborative Undergraduate Research in the Humanities at Allegheny College

Additions to the Chemistry Curriculum
Justin Jurczyk
Pittsburgh, PA
Major: Chemistry • Minor: Undecided

RESEARCH MENTOR: Timothy Chapp (Chemistry)
FUNDING: Thomas Lord Charitable Trust

Alfred Vail and the Telegraph Industry
Scott Meltzer
Radnor, PA
Major: Economics • Minor: Computer Science

RESEARCH MENTOR: Tomas Nonnenmacher (Economics)
FUNDING: Edward David Class of 1961 Faculty Support Fund

Study Abroad
Karina Mena
Portland, OR
Major: Communication Arts • Minor: Latin & Caribbean Studies

Alexander Bennett
Sharon, MA
Major: English • Minor: History

RESEARCH MENTOR: Ishita Sinha Roy (Communication Arts)
FUNDING: The Andrew W. Mellon Foundation Grant for Collaborative Undergraduate Research in the Humanities at Allegheny College

Seeing Isn’t the Only Way To Believe: An Investigation of Haptic and Visual Perception of 2-D Symmetry
Trista Musich
Girard, PA
Major: Neuroscience and Psychology • Minor: Undecided

RESEARCH MENTOR: Allison Connell Pensky (Psychology and Neuroscience)
FUNDING: Christine Scott Nelson Faculty Support Fund

continued
Short-term visual deprivation and visual imagery may predict cross-modal perception of three-dimensional objects

Chris Patrick  
Fairfax, VA  
Major: Neuroscience • Minor: Economics  
RESEARCH MENTOR: Allison Connell Pensky (Psychology and Neuroscience)  
FUNDING: Edward David Class of 1961 Faculty Support Fund

From Philadelphia to Dallas In Twenty Years: Exploring AIDS Narratives in Major Motion Pictures

Monica Patrick  
Salem, OH  
Major: Global Health Studies • Minor: Undecided  
Sydney Sample  
Corry, PA  
Major: English • Minor: Undecided  
RESEARCH MENTOR: Jennie Votava (English)  
FUNDING: The Andrew W. Mellon Foundation Grant for Collaborative Undergraduate Research in the Humanities at Allegheny College

Influence of Angle Strain on the CH/pi interaction: A Systematic Study Using the Wilcox Torsion Balance

Jacob Patterson  
Wexford, PA  
Major: Chemistry • Minor: Political Science  
RESEARCH MENTOR: Mark R. Ams (Chemistry)  
FUNDING: Richard J. Cook and Teresa M. Lahti Student-Faculty Research Endowment; Research Corporation for Scientific Advancement Grant

The Economics Behind the Erie Extension Canal

Patrick Payne  
Sewickley, PA  
Major: Economics • Minor: Philosophy  
RESEARCH MENTOR: Tomas Nonnenmacher (Economics)  
FUNDING: Economics Department: Fund provided by Chris Allison

A New Combination of a Frustrated Lewis Pair

Alexander Porter  
Sayre, PA  
Major: Chemistry • Minor: Economics  
RESEARCH MENTOR: Timothy Chapp (Chemistry)  
FUNDING: Thomas Lord Charitable Trust

Visual Mediation in the Haptic Perception of Common and Uncommon Objects

Amelia Redding  
Cranberry Township, PA  
Major: Neuroscience and Biology • Minor: Economics  
RESEARCH MENTOR: Allison Connell Pensky (Psychology and Neuroscience)  
FUNDING: Dr. Barbara Lotze Student-Faculty Research Fellowship Fund

Everyday Precarity: Digital Media and Identity in the Rust Belt

Rochelle Rogalski  
Cranberry Township, PA  
Major/Minor: Undeclared  
Erin Brockett  
Albion, PA  
Major: Communication Arts • Minor: Psychology  
RESEARCH MENTOR: Emily Yochim (Communication Arts)  
FUNDING: The Andrew W. Mellon Foundation Grant for Collaborative Undergraduate Research in the Humanities at Allegheny College
Healthy Homes—Healthy Children: Striving To Make All Homes in Pennsylvania Healthy Homes

**Karina Sarver**  
Irwin, PA  
Major: Biology • Minor: English

**Jillian Gallatin**  
South Park, PA  
Major: Biology • Minor: Psychology

**Katelyn Nicewander**  
Hollidaysburg, PA  
Major: Neuroscience • Minor: Political Science

**RESEARCH MENTOR:** Caryl Waggett (Environmental Sciences and Global Health Studies)  
**FUNDING:** Howard Hughes Medical Institute (Global Health Program)

Arabic and Hebraic Medicinal and Magical Remedies for the Sexual Body: Philosophy, Function, and Influence

**Dejana Smajic**  
Pittsburgh, PA  
Major: English • Minor: History

**RESEARCH MENTOR:** Jennifer Hellwarth (English and Women’s Studies)  
**FUNDING:** The Andrew W. Mellon Foundation Grant for Collaborative Undergraduate Research in the Humanities at Allegheny College

Meadville Community Health Perceptions

**Elizabeth Schafer**  
Twinsburg, OH  
Major: Global Health Studies • Minor: Undecided

**Mary Nagel**  
Sewickley, PA  
Majors: Global Health Studies & Economics • Minor: Undecided

**RESEARCH MENTOR:** Rebecca Dawson (Global Health Studies and Biology)  
**FUNDING:** MARC Wellness Center Project (Elizabeth) Meadville Medical Center (Mary)

Boolean Networks for Environmental Monitoring in Multi-Robot Systems

**Willem Yarbrough**  
San Francisco, CA  
Major: Computer Science • Minor: Philosophy

**RESEARCH MENTOR:** Janyl Jumadinova (Computer Science)  
**FUNDING:** Harold M. State Research Grant

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