Sierra Ferguson
Sierra is a senior Physics & Astronomy major working with Dr. Nelson on “Remote Sensing Analysis of Steller Astrophysics, Condensed Matter, Nuclear Physics and Optics.” She will be working on the development of a technique for the conversion of transmitted data in order to save power and time. She will test modifications to the instrument algorithm with the goal of improving the lab error rates (KELA performance). Larsea plans to join a job with wireless networks or satellite communications.

Patrick Peshlaki
Patrick is in his senior year, majoring in Electrical Engineering with an emphasis on computer engineering. He will be working with Dr. Steven Vlassov on research aimed at advancing the state of the art in digital signal processing and communication.

Beagles
Ian Beagles is a Physics & Astronomy senior who will be working with Dr. Nadine Barlow on the project called “Space Weather Impact of the Volcanic Activity.” The project will involve the identification of volcanic eruptions on the Earth and the potential impact on space weather. Larsea plans to attend graduate school and work as a high school science teacher.

Colton Bennett
Colton is an Environmental Studies major in the CCC2NAU program who will be working with Dr. Margaret Rushall on research focused on enhancing the use of interactive applications to facilitate learning in science. Erin plans to go to graduate school and eventually become a professor in entomology or arachnology.

Wright
Colton is an Environmental Studies major in the CCC2NAU program who will be working with Dr. Margaret Rushall on research focused on enhancing the use of interactive applications to facilitate learning in science. Erin plans to go to graduate school and eventually become a professor in entomology or arachnology.

Renee Carbone
Renee is a sophomore in the CCC2NAU program and will be working with Dr. Stephen Shuster on a project entitled “Wetlands: Coastal Wetlands of the Northeast.” She will be working on the development of a new method to analyze the role of wetlands in the carbon cycle and to better understand the impact of climate change on wetland ecosystems. She will also be working on projects in environmental studies and wildlife ecology.

Daniel Raggio
Daniel is a senior Biology major who will be working with Dr. Stephen Shuster on a project entitled “Wetlands: Coastal Wetlands of the Northeast.” She will be working on the development of a new method to analyze the role of wetlands in the carbon cycle and to better understand the impact of climate change on wetland ecosystems. She will also be working on projects in environmental studies and wildlife ecology.

Raggio
Ryan is a senior in Computer Science and will be working at Lockheed Martin Advanced Technology Center (MLATC) on a project called “Test Flight Data Processing for Transparent Computing Systems.” The project will involve the development of an algorithm to process test flight data and to improve the accuracy of predictions. Ryan plans to pursue a career in the field of computer science.

Ben Luginbuhl
Ben is a Chemistry/biochemistry major in his senior year. He will be working with Dr. Celina Baez on a project called “High-Throughput Screening for Air Quality Research.” The project will involve the testing of new environmental technologies and the development of new methods for monitoring air quality.

Heather Charles
Heather is in her junior year as a Psychology major. She plans to be working with Dr. Tom Hays in the field of cognitive psychology, focusing on the development and use of decision-making tools.

Darienne Nazee
Darienne is a senior Biology major who will be working with Dr. Stephen Shuster on a project entitled “Wetlands: Coastal Wetlands of the Northeast.” She will be working on the development of a new method to analyze the role of wetlands in the carbon cycle and to better understand the impact of climate change on wetland ecosystems. She will also be working on projects in environmental studies and wildlife ecology.

Tess
Tess is a senior Physics major who will be working with Dr. Christopher Mann on a project called “High-Throughput Screening for Air Quality Research.” The project will involve the testing of new environmental technologies and the development of new methods for monitoring air quality.

Patrick Peshlaki
Patrick is in his senior year, majoring in Electrical Engineering with an emphasis on computer engineering. He will be working with Dr. Steven Vlassov on research aimed at advancing the state of the art in digital signal processing and communication.

Laroea Cottingham
Laroea is a senior, majoring in Biology and Chemistry. She will be working with Dr. Catherine O’Hara on a project focused on understanding the role of ion channels in the regulation of ion transport.

Heather Charles
Heather is in her junior year as a Psychology major. She plans to be working with Dr. Tom Hays in the field of cognitive psychology, focusing on the development and use of decision-making tools.

Ben Luginbuhl
Ben is a Chemistry/biochemistry major in his senior year. He will be working with Dr. Celina Baez on a project called “High-Throughput Screening for Air Quality Research.” The project will involve the testing of new environmental technologies and the development of new methods for monitoring air quality.

Heather Charles
Heather is in her junior year as a Psychology major. She plans to be working with Dr. Tom Hays in the field of cognitive psychology, focusing on the development and use of decision-making tools.

Cat Chapman
Cat is a senior Biology major who will be working with Dr. Ted Koehler on a project called “Understanding the Evolutionary Development of the Ctenophora.” The project will involve the use of molecular and developmental techniques to understand the evolution of this unique phylum.

Bailey
Erin Bailey
Erin is a senior majoring in Computer Science. She will be working with Dr. Margaret Vandezande on “Storyboard Education Outreach” with an emphasis on outreach to female college students in high-school and middle school. The goal is to inspire the next generation of scientists in the fields of computer science and computer engineering through hands-on experience and engagement with community leaders and mentors in STEM careers. The project will involve the development of interactive applications to facilitate learning in science.

Darienne Nazee
Darienne is a senior Biology major who will be working with Dr. Stephen Shuster on a project entitled “Wetlands: Coastal Wetlands of the Northeast.” She will be working on the development of a new method to analyze the role of wetlands in the carbon cycle and to better understand the impact of climate change on wetland ecosystems. She will also be working on projects in environmental studies and wildlife ecology.

Rario
Rene Horne
Renee is a senior, majoring in Earth Sciences and Environmental Sustainability minor in Ethnic Studies. She will be working with Dr. Ted Koehler on a project called “Ctenophora: Understanding the Evolutionary Development of the Ctenophora.” The project will involve the use of molecular and developmental techniques to understand the evolution of this unique phylum.

Tess
Tess is a senior Physics major who will be working with Dr. Christopher Mann on a project called “High-Throughput Screening for Air Quality Research.” The project will involve the testing of new environmental technologies and the development of new methods for monitoring air quality.

Ben Luginbuhl
Ben is a Chemistry/biochemistry major in his senior year. He will be working with Dr. Celina Baez on a project called “High-Throughput Screening for Air Quality Research.” The project will involve the testing of new environmental technologies and the development of new methods for monitoring air quality.

Heather Charles
Heather is in her junior year as a Psychology major. She plans to be working with Dr. Tom Hays in the field of cognitive psychology, focusing on the development and use of decision-making tools.

Cat Chapman
Cat is a senior Biology major who will be working with Dr. Ted Koehler on a project called “Understanding the Evolutionary Development of the Ctenophora.” The project will involve the use of molecular and developmental techniques to understand the evolution of this unique phylum.