INTRODUCTION TO ROBOTICS
June 17 – June 21, 2019, 8:30 am - 3:00 pm daily
Ages: Entering 5th through 8th grade
Logistics: $150 registration fee includes use of robot kit and programming software during camp and a snack daily. Campers should bring a sack lunch Monday-Thursday; Friday’s lunch will be provided.
Campers will work in pairs to design and build Lego EV3 robots. Team members will work together programming their robots to solve a variety of simulated problems. For campers with no previous through beginner level robotics and programming experience. This camp will build programming, design, and problem solving skills in an exciting and fun environment.

INTERMEDIATE ROBOTICS
June 24 - June 28, 2019, 8:30 am - 3:00 pm daily
Ages: Entering 7th through 10th grade
Logistics: $150 registration fee includes use of robot kit and programming software during camp and a snack daily. Campers should bring a sack lunch Monday-Thursday; Friday’s lunch will be provided.
Prerequisites: Must have programming experience, such as completing the UNI Introduction to Robotics camp in a previous year, having served on an FLL team for at least one year, or confidence with basics Scratch programming.
Campers with previous Lego EV3 robotics experience will learn how to design, build, and program Lego EV3 robots to perform a variety of advanced tasks. These tasks will require usage of multiple sensors and gears. The camp will increase participants’ knowledge and skill in several STEM areas: (1) engineering by designing, building and testing of their robots using Lego kits, (2) technology by designing programs for their robots to solve various advanced tasks, and (3) reinforcing the importance of mathematics and physics in the design, implementation, and testing of their robot and programs. Armed with the robotics skills and confidence from the camp, campers will be encouraged to participate in their school’s FTC (First Tech Challenge) or FRC (First Robotics Competition) team in the Fall.

MORE CAMP OPTIONS
FASHION & STEM: A PERFECT FIT
June 10 – June 14, 2019, 9:00 am - 3:00 pm daily
Ages: Entering 7th through 10th grade

PANTHER PARK - A 3D DESIGN, 3D PRINTING, AND VIRTUAL REALITY EXPERIENCE
June 18 – June 20, 2019, 9:00 am - 4:00 pm daily – Open to All
June 25 – June 27, 2019, 9:00 am - 4:00 pm daily – For Girls Only
Ages: Entering 6th through 9th grades

TELLING THE TALLGRASS PRAIRIE STORY THROUGH EXPRESSIVE ARTS
July 8 - July 12, 2019, 8:30 am - 3:30 pm daily
Ages: Entering 3rd through 6th grade

BIOTECH CAMP: TOOLS OF THE TRADE
July 15 to July 19, 2019, 9:00 am - 4:00 pm daily
Ages: entering 9th through graduating high school seniors

Learn more and register: camps.uni.edu

The University of Northern Iowa does not discriminate in employment or education. Visit uni.edu/policies/1303 for additional information.