



july continued

High School

Speech and Debate

Grades 9-12. July 8-13. Residential-DeKalb Campus 815-753-5200 or NIUEP@niu.edu
Develop and enhance your knowledge in a specific area of speech by selecting or writing speeches, honing research skills, memorizing pieces and practicing the art of effective delivery.

Academic Writing Camp

Grades 9-12. July 8-13. Residential-DeKalb Campus 815-753-5200 or NIUEP@niu.edu
Through writing sessions, lectures, discussion and other activities, campers will learn to communicate clearly and persuasively and then practice these skills by drafting college admission essays.

Comedy Writing and Performance Camp

Grades 9-12. July 15-20. Residential-DeKalb Campus 815-753-5200 or NIUEP@niu.edu
Campers will explore their creative passions and hone their comedic voices. The camp will offer specialized workshops in improv, sketch comedy, stand-up and more.

Podcast/Radio Camp

Grades 9-12. July 15-20. Residential-DeKalb Campus 815-753-5200 or NIUEP@niu.edu
Campers will learn about the history of broadcasting and experience hands-on recording and production techniques including producing a live music show and learning how to write for the ear.

Theatre Arts Camp Senior

Grades 9-12 completed. July 15-20 Residential-DeKalb Campus 815-753-1450 or ksherman2@niu.edu
Enjoy a week packed with rehearsals, workshops, acting classes, theatre games and improvisation. Each camper receives coaching to reach theatrical goals.

Visual Arts

Grades 8-12 completed. July 15-20 Residential-DeKalb Campus 815-753-1450 or ksherman2@niu.edu
Serious artists, participate in exciting, diverse and creative art experiences. Be innovative as you experiment with new materials, techniques and ideas while producing portfolio-quality work.

Fashion Studio

Grade 9-12. July 17-19. Residential-DeKalb Campus 815-753-6336 or scosbey@niu.edu
Fashionists! Stop dreaming and start designing. Create garments and textile patterns using Adobe Illustrator. Plan color palettes using Photoshop and stage a themed-fashion display.

Film Appreciation Camp

Grades 9-12. July 22-27. Residential-DeKalb Campus 815-753-5200 or NIUEP@niu.edu
Campers will view and write about a variety of films from various genres and time periods and enrich their understanding through discussion.

Online Journalism Camp

Grades 9-12. July 22-25. Residential-DeKalb Campus 815-753-5200 or NIUEP@niu.edu
Learn what it takes to be a working journalist by generating story ideas, assigning stories, reporting, writing, shooting photos, editing, writing headlines and laying out stories for an in-camp news website.

STEM Careers Session 3

Grades 10-12. July 22-27. Residential-DeKalb Campus 815-753-0533 or stemcamps@niu.edu
Campers can investigate different STEM careers by choosing the track that interests them most.

- **Engineering** Campers compete in a week-long, hands-on engineering design challenge and learn about different types of careers available to engineers. Campers also meet NIU engineering faculty and students as well as tour our engineering and tech labs.
- **Earth and Space Science** Campers will work with faculty and students from NIU's Departments of Geology and Environmental Sciences and will carry out experiments on terra firma and in the NIU observatory.
- **Health Sciences** Campers will investigate ways in which scientists are helping people live healthier. They will meet with biomedical engineers, epidemiologists and other health professionals as well as explore these fields through hands-on investigations.
- **Social Hacking** Computers run many aspects of our world and programming skills are required for top jobs in many industries. Learn to use coding and program development to help design innovative solutions to real community problems.

july-august

Elementary School

Day Camps

Grades 2-5. July 30-Aug 2. 9 a.m. to 3 p.m. Daily Contact 815-753-0533 or stemcamps@niu.edu

- **STEM Divas** We're creating a community of confident female scientists and engineers who embrace STEM and femininity. Divas gain self-confidence as they tackle adventures like soldering wearable electronics, woodworking, 3-D printing, robotics and more.
- **STEM Juniors** Campers will spend the week exploring a variety of STEM concepts and applying what they learn through fun and creative hands-on projects. Activities include robotics, simple circuits, 3D printing and more.

Middle School

Chinese Language and Culture Day Camp

Grades 5-8. July 30-August 3. 9 a.m. to 3 p.m. Daily 815-753-5200 or NIUEP@niu.edu
Campers will experience and explore different aspects of Chinese art, history and language through a series of hands-on cultural activities.

athletics

Top collegiate coaches mentor young athletes at NIU's premiere facilities. Campers are grouped according to age and skill level. Tentative camp dates are listed and are subject to change. Additional camps, dates and more information are available at niuhuskies.com/camps.

Baseball

- Ages 5-12. June 4-7 and June 11-14

Basketball

- Men's Youth Camp. Ages 8-13. TBD
- Women's Youth Camp. Ages 6-13. TBD

Football

- High School Camps. TBD

Soccer

- Coed Youth Day Camp. Ages 5-11. June 11-14
- Men's Soccer Junior Residential Camp. Ages 10-14. June 11-14

High School

STEM Careers Session 4

Grades 10-12. July 29-August 3. Residential-DeKalb Campus 815-753-0533 or stemcamps@niu.edu
Campers can investigate different STEM careers by choosing the track that interests them most.

- **Engineering** Campers compete in a week-long, hands-on engineering design challenge and learn about different types of careers available to engineers. Campers also meet NIU engineering faculty and campers as well as tour our engineering and tech labs.
- **Health Sciences** Campers will investigate ways in which scientists are helping people live healthier. We will meet with biomedical engineers, epidemiologists and other health professionals as they explore these fields through hands-on investigations.
- **Science** Explore careers available in the field of science. Campers will perform their own hands-on experiments as they collect data on which career is right for them.
- **Video Game Design** Campers will use computer-based tools to design and prototype a playable video game while developing skills in complex problem solving, working in teams, project management and use of computer design software. 317-762-8727 or dcl@niu.edu

- Women's Youth Overnight Camp Grades 6-9 (ages 12 - 15). July 9-12
- Women's Elite Prospect Overnight Camp Grades 10+ (ages 16+). July 9-12
- Women's ID One Day Camps Grades 10+ (ages 16+). TBD
- Men's Elite Prospect Overnight Camp Grades 9-12+ (ages 14+). July 16-18

Volleyball

- Overnight camps and one-day clinics Grades 6-12 (ages 12+). TBD

Wrestling

- Grades 5-12 (ages 10+). TBD

35th Annual Sports Medicine Student Overnight Workshop

- Ages 14-18. July 8-11



summer camps

ON CAMPUS AT NIU 2018

go.niu.edu/summercamps



Northern Illinois University

summer camps

ON CAMPUS AT NIU 2018

june

Elementary School

Day Camps

Grades 2-5. June 18-21 and 25-28

9 a.m. to 3 p.m. Daily

815-753-0533 or stemcamps@niu.edu

- **STEM Divas** We're creating a community of confident female scientists and engineers who embrace STEM and femininity. Divas gain self-confidence as they tackle adventures like soldering wearable electronics, woodworking, 3-D printing, robotics and more.
- **STEM Juniors** Campers will spend the week exploring a variety of STEM concepts and applying what they learn through fun and creative hands-on projects. Activities include robotics, simple circuits, 3-D printing and more.

Middle School

Just for Girls! Video Game Design

Grades 5-9. June 11-15. 9 a.m. to 3 p.m. Daily

317-762-8727 or dcl@niu.edu

Campers will meet women who develop video games, learn the essentials of game design, create a game story, invent characters, combine sound effects, explore 3-D virtual worlds and more!

Minecraft and Video Game Design Camp

Grades 5-9. June 18-22. 9 a.m. to 3 p.m. Daily

317-762-8727 or dcl@niu.edu

Use Minecraft to explore and build a virtual world while learning ComputerCraft and basic coding. Develop skills in complex problem solving, working in teams and project management.

Digital Photography Day Camp

Grades 5-8. June 25-29. 9 a.m. to 3 p.m. Daily

815-753-5200 or NIUEP@niu.edu

Learn the technology and art behind photography. Discover how the pros work as campers create photographs in preparation for an art show.

High School

STEM Careers Session 1

Grades 10-12. June 17-22. Residential-DeKalb Campus

815-753-0533 or stemcamps@niu.edu

Campers can investigate different STEM careers by choosing the track that interests them most.

- **Engineering** Campers compete in a week-long, hands-on engineering design challenge and learn about different careers available to engineers. Meet NIU engineering faculty and students as well as tour the engineering and tech labs.
- **Health Sciences** Investigate ways in which scientists are helping people live healthier. Meet biomedical engineers, epidemiologists and other health professionals and explore their fields through hands-on investigations.
- **Physical Sciences** Campers will participate in hands-on experiments, meet with NIU researchers and even get a behind-the-scenes tour of Fermi Lab in Batavia as they explore career options in physics and chemistry.
- **Social Hacking** Computers run many aspects of our world, and programming skills are required for top jobs in many industries. Learn to use coding and program development to help design innovative solutions to solve real community problems.

Creative Writing

Grades 9-12. June 17-22. Residential-DeKalb Campus

815-753-5200 or NIUEP@niu.edu

Develop skills in poetry, fiction and creative nonfiction and learn to give and accept constructive criticism. Journaling, free writing, guided writing and revision strategies are part of the week.

NTC News Broadcast Camp

Grades 9-12. June 17-22. Residential-DeKalb Campus

815-753-5200 or NIUEP@niu.edu

Learn how to put together a live newscast! Campers will learn news writing, camera operation, control room skills and even get on camera. The camp will culminate with campers putting on their own live-to-tape, 15-minute newscast.

Film

Grades 9-12. June 24-29. Residential-DeKalb Campus

815-753-5200 or NIUEP@niu.edu

Work with experienced media producers, camera operators and directors while learning digital filmmaking from script to screen. Complete a group-produced movie for family, friends and festivals.

Spanish Immersion Camp

Grades 9-12. June 24-29. Residential-DeKalb Campus

815-753-5200 or NIUEP@niu.edu

Join other campers for a week of learning about Spanish culture and language while speaking only Spanish for the week.

Screenwriting Camp

Grades 9-12. June 24-29. Residential-DeKalb Campus

815-753-5200 or NIUEP@niu.edu

Campers will learn the basics of screenwriting from plotting a story to formatting the script. The week will culminate with students writing a rough draft of their own short film.

july

Middle School

Engineering Amusement

Grades 5-6. July 8-13. Residential-DeKalb Campus

815-753-0533 or stemcamps@niu.edu

Learn the ups and downs of amusement park attractions, design thrill rides, see how engineers optimize traffic flow and even concoct carnival confections. Then spend a day doing experiments at Six Flags!

It's Not Magic; It's STEM Camp!

Grades 5-6. July 8-13. Residential-DeKalb Campus

815-753-0533 or stemcamps@niu.edu

Campers will unravel the mysteries of the universe and learn that when things look like magic, there's something new for us to uncover! Campers will be sorted into houses to complete hands-on STEM challenges and compete for the coveted STEM Cup.

NIU Jazz Camp

Grades 8-12 completed. July 8-13. Residential-DeKalb Campus

815-753-1450 or ksherman2@niu.edu

Enthusiastic jazz musicians of all skill levels take a creative approach to improvisation and ensemble playing. Campers will perform, learn, listen and improve their understanding of jazz tradition.

Theatre Art Camp Junior

Grades 6-9 completed. July 8-13. Residential-DeKalb Campus

815-753-1450 or ksherman2@niu.edu

Enjoy a week packed with rehearsals, workshops, acting classes, theatre games and improvisation. Each camper receives coaching to reach theatrical goals.

STEM Careers Session 2

Grades 10-12. June 24-29. Residential-DeKalb Campus

815-753-0533 or stemcamps@niu.edu

Campers can investigate different STEM careers by choosing the track that interests them most.

- **3-D Design and Manufacturing** 3-D printers are changing the way we build the future. Campers will explore careers in 3-D design and manufacturing and will develop the skills needed to create their own 3-D objects.
- **Engineering** Students compete in a week-long, hands-on engineering design challenge and learn about different types of careers available to engineers. Campers also meet NIU engineering faculty and students as well as tour our engineering and tech labs.
- **Sciences of Life** Campers will explore careers in the sciences of life. They will tour the NIU greenhouse, study biology with NIU faculty and students and visit the NIU cadaver lab.
- **Video Game Design** Campers will use computer-based tools to design and prototype a playable video game while developing skills like complex problem-solving, working in teams, project management and using computer design software. 317-762-8727 or dcl@niu.edu

Exploring STEM Session 1

Grades 7-9. July 8-13. Residential-Loredo Taft Campus

815-753-0533 or stemcamps@niu.edu

Campers can investigate different STEM concepts by choosing the track that interests them most.

- **Coding** Campers will expand their programming skills while learning how different types of programming languages are used and will create their own Arduino-based project to keep. This track assumes some familiarity with computers and coding. For beginning students, please see our Programming and Robotics Track.
- **Engineering** From designing roads to self-driving cars, engineers solve problems and create the future every day. Campers will develop their own problem-solving skills with challenges and competitions to inspire their inner engineer.
- **Lightning Bolts and Magnetic Fields** Investigate circuits and electronics and learn to solder and construct your own devices. Campers will also explore the phenomenon of electromagnetic radiation as they create their own working radios.
- **LEGO EV3 Robotics: Battle Bots** Campers will work in teams to construct and program robots to compete in a variety of challenges including an obstacle course, a soccer match and even robo-sumo wrestling.

Social Justice Day Camp

Grades 6-8. July 9-13. 9 a.m. to 3 p.m. Daily

815-753-5200 or NIUEP@niu.edu

Campers will learn to responsibly engage with the world around them and will design an advocacy project for a chosen cause.

Exploring STEM Session 2

Grades 7-9. July 15-20. Residential-Loredo Taft Campus

815-753-0533 or stemcamps@niu.edu

Campers can investigate different STEM concepts by choosing the track that interests them most.

- **Art Design**, create and innovate. Campers will construct kinetic sculptures and automata, use polarization to paint with colored light and much more as they explore the connections between art and science.
- **Coding** Campers will expand their programming skills while learning how different types of programming languages are used and will create their own Arduino-based project to keep. This track assumes some familiarity with computers and coding. For beginning students, please see our Programming and Robotics Track.
- **Programming and Robotics** This is the perfect camp for anyone who's new to programming. Campers will program several types of robots using block-based programming and learn how robots are used in the real world.
- **LEGO WaterBotics** Design and build your own robots and then test them in under-water challenges. Campers will also learn about the engineering design process and informational technology tools and will practice computer programming.

Exploring STEM Session 3

Grades 7-9. July 22-27. Residential-DeKalb Campus

815-753-0533 or stemcamps@niu.edu

Campers can investigate STEM concepts and careers by choosing the track that interests them most.

- **Chemistry** Campers will spend the week in an "excited state" as they experience the wonders of chemistry. The importance of lab safety and good habits are also addressed during the week.
- **Digital Arts** Campers will take and edit digital photographs as well as learn how to use those digital images in new ways. Campers will also create several different types of digital artwork.
- **SciFi** "Can radiation cause super powers?" "Can I build a light saber?" Campers will explore the facts behind the fiction through hands-on activities and also create their own science fiction movies.
- **Video Game Design** Why play video games when you can make them? Use computer-based tools to design and prototype a playable video game. Have fun learning complex problem solving, teamwork and project management. 317-762-8727 or dcl@niu.edu

Percussion Camp

Grades 6-12. July 23-26. Residential-DeKalb Campus

Campers will perform in concert percussion ensembles, samba bands and steel drum ensembles and participate in classes on snare drum, drum set, timpani and keyboard percussion. They will also attend faculty recitals and more.

Video Game Design through

Robotic Programming

Grades 5-9. July 9-13. 9 a.m. to 3 p.m. Daily

317-762-8727 or dcl@niu.edu

Design and build a playable maze in GameMaker Studio 2, then code it and bring it to life using the fully programmable Wink2 Robots by Plum Geek.

Master Gardener Day Camp

Grades 5-8. July 16-20. 9 a.m. to 3 p.m. Daily

815-753-5200 or NIUEP@niu.edu

Campers develop green thumbs and opportunities to discover how our food system is a complex network connecting health, society and environment. They will work in gardens while mapping out our food system's interconnected parts.

Python and PyGame Video

Game Design Camp

Grades 5-9. July 16-20. 9 a.m. to 3 p.m. Daily

317-762-8727 or dcl@niu.edu

Learn to develop your own video games using the Python programming language and PyGame, a free and open-source library for making multimedia applications like video games.

Creative Writing Day Camp

Grades 5-8. July 23-27. 9 a.m. to 3 p.m. Daily

815-753-5200 or NIUEP@niu.edu

Develop skills in poetry, fiction and creative nonfiction.

Learn to give and accept constructive criticism.

Free writing, guided writing, artistic collaboration

and revision strategies are part of the week.

