

NORTHWESTERN ACADEMY PROGRAMS

Northwestern currently offers the following Academy Programs:

1. NJROTC Academy
2. Academy of Business and Finance
3. International Studies Academy
4. Project Lead The Way Engineering Academy
5. Jim Henson Performing Arts Academy

The Academy model :

- Allows for smaller learning environments
- Provides challenging and exciting courses which will enable students to make connections between academic subjects and careers
- Offers partnerships with employers, the community and local colleges, giving students the opportunity for internships, job shadowing, mentoring experiences and apprenticeships.

NJROTC Academy

The goal of the Junior Reserve Officer Training Corps (JROTC) is to provide secondary school students the opportunity to become informed, responsible citizens prepared for high school graduation. The curriculums focus on academics including United States military history; exploration of national security issues; the study of meteorology and astronomy; communications and advanced technologies employed by the Armed Services; navigation and survival skills; healthy lifestyles and physical fitness; organizational skills and financial management; career exploration in a wide variety of fields (both military and nonmilitary) and the foundations of responsible leadership. Cadets learn and continue to develop leadership skills and application of military courtesies and customs as they complete each year of their JROTC programs. The curriculum is structured for success in high school and beyond. Through the demonstration of discipline, honor, self-respect, and commitment cadets gain increasing responsibilities within their programs. JROTC cadets and units must complete civic action projects and community service. The program also provides field trips to historical military sites and institutions; visits to colleges/universities and military academies to increase awareness and opportunities; and participation on one of the various Drill Teams could include travels to neighboring counties, states, and possibly to competitions held nationwide. The programs provide college scholarships and Military Academy appointment opportunities for qualified cadets. With the completion of specific requirements several courses within the JROTC curriculum can earn cadets college credits through the University of Colorado at Colorado Springs. Students who successfully complete a minimum of three years of the JROTC program and qualify to enter the active duty military service receive pay/rank increases of two grades above non-JROTC recruits.



School Coordinator: Captain Robert Davis

See page 48 for courses and descriptions.

Business and Finance Academy

Consider The Academy of Finance if you enjoy competition and influencing the opinions of others, like working with facts, numbers and data, enjoy detail-oriented task and speaking and writing accurately, initiating and organizing events and groups of people, are comfortable following rules and directions of others and like contacts with all kinds of people and have a mind for business.

The Academy of Finance (AOF) is a program that prepares students for a career in the Financial Services Industry. The Academy of Finance is a national program established by Industry to develop students with the skills and knowledge to succeed in this fast-paced growth area of business. The goals of the Academy of Business and Finance are to prepare students for the demands of high tech jobs in the 21st century global workplace by ensuring that they have a strong academic foundation and the ability to think critically and to make sound business decisions. The program provide students with a broad understanding of business so that they can adapt to the ever-changing world of business and finance and expose students to current business practices. The program also impart to students the importance of staying in the forefront of technological changes and other factors that may impact their career choice; and create life-long learners who are not afraid to stretch their knowledge to become business leaders as well as business owners.

School Coordinator: Marie Sims

Academy Courses:

- Financial Services 1 and 2
- Economics and World Finance/ Securities and Insurance
- Computer Applications/ Web Design
- College Accounting
- Banking and Credit/ Financial Planning
- International Finance/ Business Law

(See pages 30-33 for course descriptions.)



Sample Careers

Accountant (CPA)
Administrative Assistant
Advertising Coordinator
Auditor
Bank Clerk
Business Manager
Customer Service Specialist

Data Entry Operator
Financial Specialist
Loan Officer
Manager
Medical Secretary
Office Manager
Personnel Director

Public Relations Director
Real Estate Agent
Retail/Food Service
Stock Broker
System Analyst
Travel Agent

International Studies Academy

Consider the **International Studies Academy** if you either like to help others learn and grow, are interested in social and cultural issues and making a difference, get along with people, can handle crises and are interested in ensuring public safety OR if you enjoy providing a service and meeting the needs of others, can work independently and make decisions, like contact with all kinds of people and have a mind for business priorities and customer service.

School Coordinator: Meron Benjamin

Sample Careers

Archaeologist
Chef/Baker
Child Care Worker
Clergy
Correctional Officer
Correspondent
Counselor
Court Clerk
Economist

Education
FBI Agent
Firefighter
Foreign Service
International Banking
International Business
Interpreter
Judge
Law Enforcement Officer

Lawyer
Mental Health Worker
Paralegal
Psychologist
Public Administrator
Social Worker
Substance Abuse Counselor
Teacher
Translator



Project Lead The (PLTW) Engineering Academy

Consider the Engineering Academy if you enjoy math, science, working with a team, problem solving, hands-on projects, researching, communicating with others and brainstorming for ideas. This Academy introduces you to the scope, rigor and discipline involved in pursuing an Engineering major in College.

School Coordinator: Brian Evans

Academy Courses

Introduction to Engineering Design
Principles of Engineering
Civil Engineering and Architecture
Digital Electronics
Engineering Design and Development

(See page 35 for course descriptions.)



Sample Careers

Aerospace Engineer
Agricultural Engineer
Architect
Automotive Engineer
Biomedical Engineer
Chemical Engineer
Civil Engineer

Computer Engineer
Drafter
Electrical Engineer
Industrial Engineer
Marine Engineer
Materials Engineer
Mechanical Engineer

Mining Engineer
Naval Engineer
Nuclear Engineer
Petroleum Engineer
Surveyors
Systems Engineer



Jim Henson Academy

Consider the Jim Henson Academy if you are creative and innovative, enjoy participating in music, theater or dance activities, or like to express yourself through writing, designing, photography or performance.

School Coordinator: Leona Lowery Hawkins.

(See pages 13-14, 34, 46-47 and 50-53 for course descriptions.)

Sample Careers

Actor/ actress
Architect
Anchor
Art therapist
Artist
Art Director
Author
Broadcast Technician
Cartoonist
Cinematographer

Composer/ Arranger
Computer Graphic Artist
Dancer
Drama/ Theater Director
Entertainer
Fashion/ Interior Designer
Gallery Manager
Illustrator
Journalist
Museum Curator

Musician
Painter
Photographer
Potter
Sculptor
Singer
Stage and Set Designer
Television Camera Person
Vocalist

