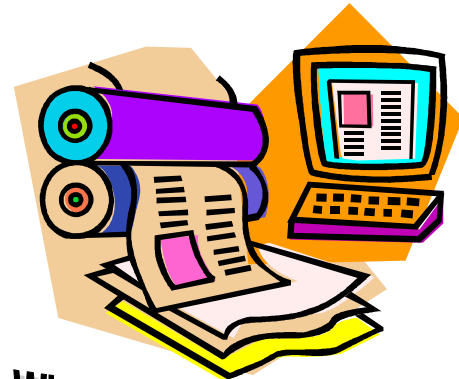


GRAPHICS/IMAGING

GRAPHICS/IMAGING Do you like art, photography and printing?	GRAPHIC COMMUNICATIONS (6300) 1/2 credit Grades 9 – 12	GRAPHIC COMMUNICATIONS (6310) 1 credit Grades 10 – 12	MEDIA ARTS/ PHOTOGRAPHY (6330) 1/2 credit Grades 10 – 12 <i>Art/Music Credit</i>	DIGITAL IMAGING (6340) 1/2 credit Grades 10—12	SCHOOL YEARBOOK (6320) 1/2 credit (6325) 1 credit Grades 9—12
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Typical Employment

Education Level	Sample Job Titles	Typical Entry-Level Salaries
High School	Printer	\$20—30K
2 yr. A.A.S. Degree	Advertising Newspaper Layout Magazine Layout Newspaper Photographer	\$25—40K
4 yr. B.S. Degree	Technical Photographer Advertising Photographer Fashion Photographer	\$30—50K



What should I study in college?

COLLEGE MAJORS
Graphic Arts
Photography
Chemistry
Art
Drama
Communications/Journalism
Interior Architecture
Interior Design
Painting
Photography
Visual Communications

Who Will Hire You?

- Graphic Art/Printing Firms:**
- Disc Graphics
www.discgraphics.com
 - US Web
www.uswebinc.com
 - Print International
www.printint.com
 - Coral Graphic Services
www.coralgraphics.com
 - Cedar Graphics
www.cedargraphics.com
 - Minuteman Press
 - Desgin Deistributors
www.designdistributors.com
 - Kinko's
www.kinkos.com
 - Maggio Data Forms
www.maggio.com
 - Morlaine Press
www.morlaine.com
- IGI Earthcolor**
www.earthcolor.com
- Haig Graphic Communications**
www.haiggraphic.com
- AvonPress**
- Coral Color Process**
www.coralcolor.com
- Newspapers:**
- Newsday
www.newsday.com
 - Smithtown News, Messenger or Times
- Other:**
- Schools, colleges, large corporations with their own in-house printing facilities.



These courses are also good for those individuals who wish to major in:

Architecture, Advertising and Fashion

ARCHITECTURE

DRAWING/DESIGN Do you enjoy building and structure design. Is Engineering/architectural design in your future?	DRAWING FOR DESIGN PRODUCTION (6510) 1/2 credit Grades 9 – 12 <i>Art/Music Credit</i>	DDP/ ARCHITECTURE (6530) 1/2 credit Grades 9 – 12 (3 crs. SUNY Farmingdale) <i>Art/Music Credit</i>	ARCHITECTURE II (6540) 1/2 credit Grades 10 – 12	DDP/ ENGINEERING (6550) 1/2 credit Grades 9—12 Art/Music Credit	ENGINEERING II 1/2 cr. Grades 10—12	CONSTRUCTION DESIGN MODELING (6241) 1/2 credit Grades 9—12
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Typical Employment

Education Level	Sample Job Titles	Typical Entry-Level Salaries
High School	Construction Apprentice Blue Print/Office Assistant	\$20—40K
2 yr. A.A.S. Degree	Draftsperson Building Trades Construction Management	\$25—40K.
4 yr. B.S. Degree	Architect Engineer Designer	\$40—60K



What should I study in college?

Who Will Hire You?

Architects:

- Baldassano Architectural Group
- Spector Group
- William F. Collins, AIA
- The Phillips Group
- Ehasz Giacalone Architects
- Wiedersum Associates
- Sear-Brown
- Burton, Behrendt & Smith
- Art-Of-Form Architects

Construction Firms:

- Park Ridge Estates
- Kulka Construction, Corp.

- Jarro Industries
- Pav-Lak Contracting
- Racanelli Construction
- Heartland Executive Park

Engineering Firms & Consultants:

- Nelson & Pope
- FPM Group
- Lizardos Engineering
 - L.K. McLean Associates
 - P. W. Grosser Consulting Engineers
 - Liro Group

Government Offices:

Town, county and state engineering and building departments.



COLLEGE MAJORS
Architecture
Engineering
Landscaping Architecture
Environmental Design
Construction Management
Surveying
Interior Design
Construction Technology
Civil Engineering
Business Management



AUTOMOTIVES/SMALL ENGINES

<p style="text-align: center;">AUTOMOTIVE SMALL ENGINES</p> <p>For the consumer who would just like to know about their car & car safety to the serious automotive student.</p>	<p style="text-align: center;">SMALL ENGINES</p> <p style="text-align: center;">(6450) 1/2 credit Grades 9 – 12</p>	<p style="text-align: center;">CONSUMER AUTO</p> <p style="text-align: center;">(6410) 1/2 credit Grades 10 – 12</p>	<p style="text-align: center;">AUTO TECH</p> <p style="text-align: center;">((6430) 1 credit Grades 10 – 12 <i>(Land Rover Program)</i></p>	<p style="text-align: center;">ADVANCED AUTO TECH</p> <p style="text-align: center;">(6440) 1 credit Grades 10—12</p>
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Typical Employment

Education Level	Sample Job Titles	Typical Entry-Level Salaries
High School	Automotive Technician New car prep ready Parts person	20—40K
2 yr. A.A.S. Degree	Automotive Troubleshooting Technician	40—60K
4 yr. B.S. Degree	Service Advisor Service Manager Engine Designer Sales person	50—60K



What should I study in college?

COLLEGE MAJORS
Electronics
Automotive Technology
Small Business Operations
Physics, Chemistry
Transportation Systems
Mechanical Engineering
Business Management
Logistics

Who Will Hire You?

Auto Dealerships:

- Long Island Automotive Group www.drivepoint.com
- Land Rover Dealership
- Ford
- General Motors
- Cadillac
- Chevrolet
- Saturn
- Toyota
- Mercedes
- Jaguar
- Chrysler
- Georgetown Volkswagen

Used car dealerships

Auto supply stores—Pep Boys

Auto body shops

Transmission shops

Insurance companies (claims adjusters).

NASCAR Racing—independent race car firms.



ELECTRONICS

ELECTRONICS Do you like computers, r/c cars, alarm devices. Do you want a career in the electronic industry as engineers and technicians?	BASIC ELECTRICITY / ELECTRONICS (6350) 1/2 credit Grades 9 – 12	HIGH TECH ELECTRONICS I (6600) 2 credits Grades 10 – 12 <i>(college credit option)</i>	HIGH TECH ELECTRONICS CIRCUIT ANALYSIS (6612) 1 credit Grades 10 –12 <i>(college credit option)</i>	HIGH TECH ELECTRONICS DIGITAL ELECTRONICS (6613) 1 credit Grades 10—12 <i>(college credit option)</i>	HIGH TECH COMPUTER ELECTRONICS (6611) 2 credits Grades 10—12 <i>(college credit option)</i>
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Typical Employment

Education Level	Sample Job Titles	Typical Entry-Level Salaries
High School	Electrician Apprentice Electrical Supply Warehouse person. Electronic Assembly	\$20—30K
2 yr. A.A.S. Degree	Electrical Technician Quality Control Computer Repair Tech	\$25—40K
4 yr. B.S. Degree	Electrical Engineer Computer System Designer	\$40—60K



What should I study in college?

COLLEGE MAJORS
Electronics
Computer Architecture
Computer Systems
Physics, Math
Electrical Engineering
Software Engineering
Construction/Electricity

Who Will Hire You?

Manufacturing:

- Festo
- Bystronic
- Helopen
- J. D'Addario & Co.
- Lourdes Industries
- MITEQ
- Pall
- Spellman High Voltage
- Standard Microsystems
- Telephonics
- Parker Hannifin
- GSE Dynamics
- Sentry Technology
- Ericsson Amplifier
- Orbit International
- Central Semiconductor



Testing Labs

- Dayton T. Brown
 - Retlif Testing
 - Underwriters Labs
- ### Media
- HBO
 - Viacom
 - Television and radio stations
 - Design Audio Visual, Inc.

Alarm & Security Systems Firms:

- Ademco Group
- Napco Security Systems
- Slomins
- Sentry Detection
- ADT Security
- AFA Protective Systems

Other:

- Electrical Union, electrical contractors

\$\$\$\$\$\$ Unique Tip

Take your yearly salary and divide it by 2 and drop the 3 zeros, and you will have the approximate hourly rate. For example \$20,000 divided by 2 (minus the 3 zeros) is \$10 an hour.

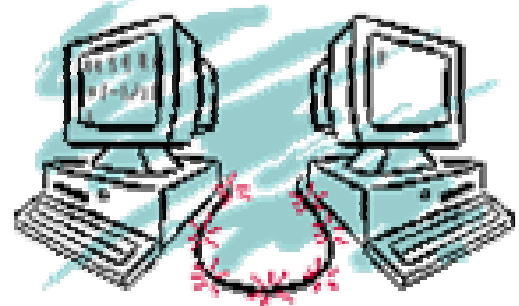
The reverse works: Take your hourly salary, double it and add 3 zeros. For example: \$15 an hour = \$30,000.

COMPUTERS/NETWORKING

<p>COMPUTERS/NETWORKING</p> <p>Do you like computers, electronics, networking, and computer control. Do IT professional careers interest you?</p>	<p>HIGH TECH COMPUTER ELECTRONICS (6611) 2 credits Grades 10 – 12 <i>(college credit option)</i></p>	<p>COMPUTER NETWORKING (6618) 1 credit Grades 10 – 12 # <i>(college credit option)</i></p>	<p>ADVANCED COMPUTER NETWORKING (6620) 1 credit Grades 10 – 12 <i>(college credit option)</i></p>
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Typical Employment

Education Level	Sample Job Titles	Typical Entry-Level Salaries
High School	Cable Installer Computer Assistant Desk Help Assistant	\$25—30K
2 yr. A.A.S. Degree	Network Installer Computer Repair technician	30K to 40K
4 yr. B.S. Degree	Network Management Network Professional Network Security Professional Software Engineer	\$40—60K



What should I study in college?

Who Will Hire You?

Computer Dealers:

- IBM
- CompUSA
- Custom Computer Specialists
- Manchester Technologies
- Contemporary Computer Services
- Rent-A-PC
- Stafford Associates Computer Specialists

- Vicom Computer Services
- NPA Computers, Inc.

Internet Service Providers:

- Invision.com
- Access Highway
- LI Internet Headquarters
- Northeast Internet Services
- Inet Media

High Tech Firms:

- Cablevision
- Verizon
- KeySpan
- Brookhaven Labs
- Computer Associates
- Symbol Technolgoies
- Northrop Grumman

Software Developers:

- Computer Associates
- EDO electronic Systems Group
- Netsmart Creative
- Anchor Computer
- FatWire Software
- Vormittag Associates

Technical Consultants

- Dimension Data
- Delta Computer Services

Furthermore:

Banks, hospitals, schools, advertising, accounting, insurance, law and employment agencies.

COLLEGE MAJORS
Network Engineering
Cisco CCNA
Electrical Engineering
Construction Techniques
Computer Programming
Software Engineering
Information Technology
Information Systems
Data Recovery Systems/Security



AEROSPACE

<p style="text-align: center;">AEROSPACE INDUSTRY</p> <p>Do you want to learn how to fly, work for an airline company or are thinking of joining the air force?</p>	<p style="text-align: center;">FLIGHT AND AEROSPACE (6460) 1/2 credit Grades 9 – 12</p>	<p style="text-align: center;">FUNDAMENTALS OF FLYING (6480) 1/2 credit Grades 10 – 12 (3 crs. SUNY Farmingdale)</p>
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Typical Employment

Education Level	Sample Job Titles	Typical Entry-Level Salaries
High School	Passenger Service Agent Agriculture Pilot Flight Instructor	18K to 30K
2 yr. A.A.S. Degree	Air Taxi Pilot Military Pilot Air Traffic Reporting Pilot	18K to 40K
4 yr. B.S. Degree	Test Pilot Airline Pilot Astronaut	23K to 200K



What should I study in college?

COLLEGE MAJORS
Aerodynamics
Small Business Management
Physics
Aviation Electronics
Flight and Aerospace
Aerospace Engineering
Logistics
Transportation Systems
Airport Management

Who Will Hire You?

AIRLINES:

- Airlines: Southwest, American, JetBlue, Delta, Northwest, etc.
- Private airline operators: Hudson Aviation, LI Jet Center
- GNY Equipment—airplane refueling

AVIATION FIRMS:

- B H Aircraft
- Circle Sear Corp.
- Consolidated Aircraft Supply
- Eastway Aircraft Services
- Eastway Aviation Maintenance
- Garrett Aviation Services
- Camp Systems Inc.

- Parker Hannifin
- Dynatech International Corp.
- GSE Dynamics
- Boeing
- Northrop Grumman

AIRPORTS:

- Long Island Mac Arthur Airport centers.
- LaGuardia and JFK Airport centers.

US GOVERNMENT:

- NASA
- US Armed Services
- FAA Control Center

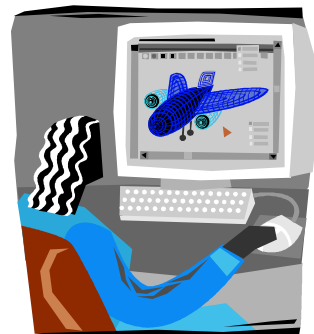


ENGINEERING

<p style="text-align: center;">DESIGN/ENGINEERING</p> <p>Do you like to design new products and compete in engineering competitions?</p>	<p style="text-align: center;">PRODUCT DESIGN ENGINEERING (6596) 1/2 credit Grades 9 – 12 <i>(3 crs. SUNY Farmingdale)</i></p>	<p style="text-align: center;">HIGH TECH COMPUTER ELECTRONICS</p> <p style="text-align: center;">(6611) 2 credits Grades 10 – 12 <i>(college credit option)</i></p>	<p style="text-align: center;">ENGINEERING II</p> <p style="text-align: center;">(6560) 1/2 credit Grades 10 – 12</p>
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Typical Employment

Education Level	Sample Job Titles	Typical Entry-Level Salaries
High School	Electronics Assembler Draftsperson	20—40K
2 yr. A.A.S. Degree	Test Technician Design Engineering Drafting Engineering	20—35K
4 yr. B.S. Degree	Civil Engineer Mechanical Engineer Environmental Engineer Aerospace Engineer	\$35—50K

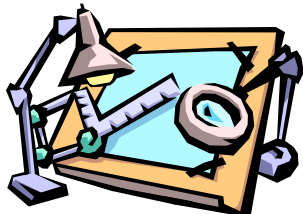


What should I study in college?

COLLEGE MAJORS
Aerospace Engineering
Mechanical Engineering
Civil Engineering
Electrical Engineering
Environmental Engineering
Industrial Engineering
Marine Engineering
Naval Engineering
Biomedical Engineering
Technology Management
Surveying Tech
Electronics Test Technician

Who Will Hire You?

- Verizon Communications
- Cablevision
- KeySpan Energy
- Lightpath
- Manchester Technologies
- L-3 Communications Satellite Networks
- InterDigital Communication
- AT&T Wireless
- Symbol Technologies
- EDO
- Dayton T. Brown Corp.
- Nextel
- Audiovox Communications
- Dimension Data
- Fonar Corporation
- Festo Manufacturing
- Hauppauge Digital
- LIPA
- Brookhaven National Labs
- Pall
- Underwriters Labs
- Cold Spring Harbor Labs
- H2M Group
- Sear-Brown
- Greeman Pedersen
- Lockwood Kessler & Bartlett, Inc.
- Bowne Management Systems



These courses are also good for those individuals who wish to major in:

Any Engineering Disciplines, health care or science research.

CONSTRUCTION

<p>CONSTRUCTION</p> <p>Do you like to design and work with wood and woodworking Machines?</p>	<p>CONSTRUCTION MATERIALS—WOOD</p> <p>(6221) 1/2 credit Grades 9 – 12</p>	<p>CONSTRUCTION MATERIALS—WOOD</p> <p>(6222) 1 credit Grades 9 – 12</p>	<p>CONSTRUCTION DESIGN MODELING</p> <p>(6241) 1/2 credit Grades 9 – 12</p>
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Typical Employment

Education Level	Sample Job Titles	Typical Entry-Level Salaries
High School	Carpenter Framer Cabinet Making Home Improvements	20K To 50K
2 yr. A.A.S. Degree	Cabinet Design Construction Foreman	40K To 60K
4 yr. B.S. Degree	Architect Furniture Design Construction Supervisor Facility manager	60K To 100K



What should I study in college?

COLLEGE MAJORS
Wood Production
Construction Technology
Electrical Systems
Waste Disposal
Business
Architecture

Who Will Hire You?

- Unions: Carpentry, electrical, plumbing, masonry, dry wall, heavy equipment operators.
- Park Ridge Estates
- Kulka Construction, Corp.
- Jarro Industries
- Pav-Lak Contracting
- Racanelli Construction
- Heartland Executive Park
- Emmy Building
- Home Depot
- Home building and remodeling corporations
- Lumber yards
- Kitchen and bathroom builders.
- Town Government: Building and Engineering Departments
- Office building complexes
- School districts, colleges
- Hospitals
- Franchise operations
- Communications companies.
- Commercial real estate brokers
- Hotels and conference centers.
- Office and professional condominiums
- Shopping centers.
- Marinas
- Nursing homes and senior citizen living.



These courses are also good for those individuals who wish to major in:
Engineering, Materials Science, Insurance