

Have you ever asked **“WHY do I need this class?”**

School work and jobs are closely connected.
Look at the jobs below that require **SCIENCE** classes.

Science is required for the following jobs:

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|---------------------------------------|--|--|
| Animal Caretakers | Fishers, Hunters, and Trappers | Pharmacy Assistants |
| Bakers | Food Batchmakers | Photographic Process Workers |
| Blasters and Explosives Workers | Foundry Mold and Core Makers | Physical & Correctional Therapy Assistants |
| Butchers and Meatcutters | Gardeners and Groundskeepers | Plumbers, Pipefitters, and Steamfitters |
| Chemical Equipment Controllers | Jewelers | Precision Instrument Repairers |
| Chemical Plant Operators | Lithography and Photo Engraving Workers | Printing Press Operators |
| Cooks | Machinists | Rotary Drill Operators |
| Cosmetologists | Mechanics, Installers, and Repairers | Stationary Engineers |
| Dental Assistants | Millwrights | Structural and Reinforcing Metal Workers |
| Electrobiomedical Equipment Repairers | Nursing Aides, Orderlies, and Attendants | Tool-and-Die Makers |
| Electricians | Occupational Therapy Assistants | Water and Waste Treatment Plant Operators |
| Farmers, Farm Operators, and Managers | Pest Controllers and Assistants | Welders and Cutters |
| Firefighters | Petroleum Refinery and Control Panel Operators | |

Advanced science courses are required for the following jobs:

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|--------------------------------------|--|---------------------------------------|
| Aircraft Pilots and Flight Engineers | Engineering Technicians (all specialties) | Physical and Life Science Technicians |
| Broadcast Technicians | Licensed Practical Nurses | Radiologic Technicians |
| Dental Hygienists | Medical and Clinical Laboratory Technicians | Radio Operators |
| Dental Laboratory Technicians | Medical Records Technician | Ship Engineers |
| Dietetic Technicians | Nuclear Medicine Technologists | Surgical Technicians |
| Electrocardiograph Technicians | Occupational Therapy Assistants | Surveyors |
| Electroencephalographic Technicians | Opticians, Dispensing and Measuring | |
| Emergency Medical Technicians | Physical and Correctional Therapy Assistants | |

Extensive science background is required for the following jobs:

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|--|---|--|
| Agricultural and Food Scientists | Farm and Home Management Advisors | Physicians |
| Architects, including Landscape Architects | Foresters and Conservation Scientists | Podiatrists |
| Biological Scientists | Geologists, Geophysicists, and Oceanographers | Recreational Therapists |
| Chemists | Medical and Clinical Laboratory Technologists | Registered Nurses |
| Chiropractors | Meteorologists | Respiratory Therapists |
| Curators, Archivists, Museum Technicians,
and Restorers | Occupational Therapists | Speech Pathologists and Audiologists |
| Dentists | Optometrists | Teachers, Secondary and College (Sciences) |
| Dietitians and Nutritionists | Pharmacists | Veterinarians and Veterinary Inspectors |
| Engineers (all specialties) | Physical Therapists | |
| | Physician Assistants | |

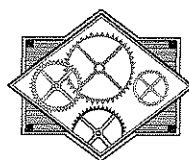
Career Pathways



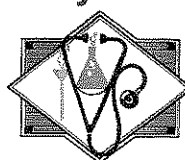
Arts and Communication



Business, Management,
Marketing, and Technology



Engineering/Manufacturing and
Industrial Technology



Health Sciences



Human Services



Natural Resources
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Have you ever asked **“WHY do I need this class?”**

School work and jobs are closely connected.
Look at the jobs below that require **SOCIAL STUDIES** classes.

Social studies is required for the following jobs:

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|------------------------------|------------------------------|-----------------------------------|
| Advertising Agents | Market Research Analysts | Reporters and Correspondents |
| Arbitrators | Political Scientists | Securities and Financial Services |
| Biographers | Public Relations Specialists | Salespersons |
| Child Care Workers | Purchasing Agents | Sheriff |
| Community Organizers | Real Estate Agents/Brokers | Underwriter |
| Family Relations Specialists | Recreation Therapists | |
| Land Use Technicians | Rehabilitation Counselors | |

Advanced social studies courses are required for the following jobs:

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|--------------------------------|----------------------------|---------------------------------|
| Accountants | Health Policy Planners | Resource Management Specialists |
| Archivists | Historians | School Counselors |
| Anthropologists | Industrial Managers | Social Workers |
| Career Planning Counselors | Librarians | Sociologists |
| Clergy | Parole Officers | Stockbrokers |
| Community Planning Specialists | Psychiatric Nurses | Teacher, all levels |
| Demographers | Psychiatric Social Workers | Urban Planners |
| Ethnologists | Public Administrators | |
| Geographers | Research Analysts | |

Extensive social studies background is required for the following jobs:

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|----------------|-------------------------|-----------------------|
| Archaeologists | FBI Agents | Psychiatrists |
| Climatologists | Hospital Administrators | Psychologists |
| Economists | Lawyers | School Administrators |

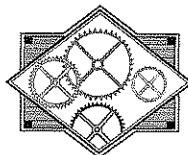
Career Pathways



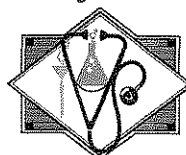
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Have you ever asked **“WHY do I need this class?”**

School work and jobs are closely connected.
Look at the jobs below that require **MATH** classes.

Math is required for the following jobs:

Automobile Mechanics
Bricklayers and Stonemasons
Broadcast Technicians
Carpenters
Construction Inspectors
Electrical and Electronic Equipment Repair
Electricians
Industrial Machinery Mechanics
Inspectors, Testers, and Graders

Jewelers
Layout Workers
Machinists
Mechanics and Installers
Metalworking and Plasticworking Machine Operators
Millwrights
Numerical Control Tool Programmers
Ophthalmic Laboratory Technicians

Plumbers, Pipefitters, and Steamfitters
Precision Instrument Repairers
Sheet Metal Workers
Shipfitters
Structural Metal Workers
Surveying/Mapping Technicians
Tool-and-Die Makers
Welders and Cutters

Advanced math courses are required for the following jobs:

Accountants and Auditors
Aircraft Pilots/Flight Engineers
Bank Tellers
Bookkeepers and Accounting
Auditing Clerks
Brokerage Clerks
Cashiers
Computer Programmers
Cost Estimators
Counter and Rental Clerks
Dentists
Drafters
Economists (applied)
Electrical and Electronic Technicians

Financial Managers
Insurance Claims and Policy Processing Clerks
Insurance Sales Workers
Landscape Architects
Loan and Credit Clerks
Management Analysts and Consultants
Bank Clerks
Optometrists
Order Clerks
Payroll and Timekeeping Clerks
Physical and Life Science Technologists/Technicians
Physicians
Real Estate Agents and Brokers

Reservation and Transportation Ticket and Travel Agents
Sales Counter Clerks
Sociologists
Statement Clerks
Statistical Clerks
Stock and Inventory Clerks
Surveyors
Tax Examiners, Collectors, and Revenue Agents
Traffic, Shipping, and Receiving Clerks
Underwriters
Urban and Regional Planners
Veterinarians
Weighers, Measurers, and Checkers

Extensive math background is required for the following jobs:

Actuaries
Agricultural and Food Scientists
Architects
Biological Scientists
Chemists
Computer Systems Analysts

Economists (theoreticians)
Engineers
Foresters and Conservation Scientists
Geologists, Geophysicists and Oceanographers
Mathematicians

Mathematics Teachers
(secondary school and college)
Operations Research Analysts
Physicists and Astronomers
Statisticians

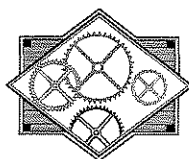
Career Pathways



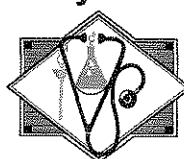
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Have you ever asked **“WHY do I need this class?”**

School work and jobs are closely connected.
Look at the jobs below that require **ENGLISH** classes.

English is required for the following jobs:

Bellhops/Bell Captains	Home Health Aides	Receptionists
Blue Collar Worker Supervisors	Information Clerks	Secretaries
Counter & Rental Clerks	Optometric Assistants	Social Service Aides
Dental Hygienists	Police	
Food & Beverage Service Workers	Postal Clerks	

Advanced English courses are required for the following jobs:

Agricultural Scientists	Flight Attendants	Medical Record Technicians
Clerical Supervisors	Food Service Managers	Optometrists
Compositors & Typesetters	Funeral Directors	Physicians
Computer Service Technicians	Geologists & Geophysicists	Salespersons (all fields)
Court Reporters	Hotel/Motel Managers & Assistants	Teacher's Aides
Dentists	Insurance Agents	Travel Agents
Employment Interviewers	Legal Assistants	
Engineers (all fields)	Medical Assistants	

Extensive English background is required for the following jobs:

Architects	Judges	Research Workers
Announcers	Librarians	Social Workers
Computer Programmers	Management Analysts & Consultants	Sociologists
Computer Systems Analysts	Newscasters	Speech Pathologists
Counselors (all fields)	Producers, Directors, Actors, and Entertainers	Teachers (all levels)
Clergy	Proofreaders	Technical Writers
Curators & Archivists	Public Relations Specialists	Translators & Interpreters
Educational Administrators	Reporters & Correspondents	Writers & Editors
Lawyers		Urban & Regional Planners

Career Pathways



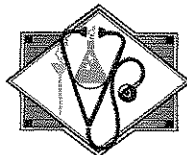
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