

January 2007

Mission Statement

The Deerfield Community School District commits itself to excellence and equity in education.

Introduction

This Deerfield High School Program of Studies is provided to assist students and their parents in planning a successful high school experience. It is our mission to help all students in any way we can to receive an excellent education. This booklet contains information intended to help students select courses that are challenging and meet their future needs regarding graduation requirements, college entrance requirements, vocational plans and their own personal interests.

Graduation Requirements

Students graduating from Deerfield High School are required to successfully complete 28 credits of course work. The following is a description of the graduation requirements.

<u>Core Curriculum Requirements</u>	<u>Credits Required</u>
Language Arts	4
Social Science	3
Mathematics	3
(Including Algebra I taken in 8 th grade)	
Computer Science	½ credit
Science	2
Physical Education	1 ½
Health/Life Skills	1 credit

Fine Arts Area

Tech Ed., Art, F.C.E (Family and Consumer Education), Business Ed., Foreign Language, Music	4
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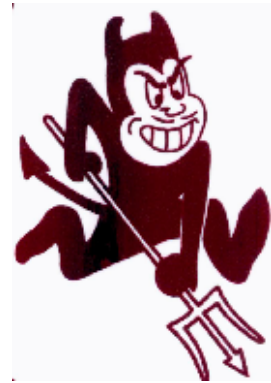
Electives

May be selected in any combination from any curricular area.	9
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All students are expected to enroll in a full class schedule, without study periods. This would mean each student could receive 4 credits per semester. Exceptions to the full schedule can be made with parent(s) and high school principal's approval.

Specific departmental requirements are listed at the beginning of each department's course description section of the Course Description Booklet. See those sections for additional details concerning requirements.

Deerfield High School Career Pathways



Agriculture/Natural Resources

Arts and Communications

Business and Marketing

Health Services

Human Services

Industrial, Scientific, and Engineering Technology

AGRICULTURE/NATURAL RESOURCES

Agriculture, Forestry, and Fishing has always been and will continue to be a very important industry to Wisconsin. The industry includes such things as farms, dairies, greenhouses, fruit orchards, nurseries, cranberry bogs, the production of crops, plants, or trees, and the keeping, feeding, or grazing of livestock including poultry, rabbits, bees, and pets for sale. It also includes such things as tree farms, forest nurseries, commercial fishing, fish and game preserves, and commercial hunting and trapping. Agribusiness in Wisconsin (companies involved in research, service, supply, and production as well as processing, marketing, and agriculture commodities) employs 22% of Wisconsin's workforce. Demand for employees in the areas of agriculture, natural resources, and veterinary medicine will continue to exceed supply.

ABILITIES OF THIS CAREER PATH

Do you...

- ⇒ Do you like planning and directing projects?
- ⇒ Do you have an interest in working with animals, soils, or plants?
- ⇒ Would you like working in agriculture?
- ⇒ Do you enjoy being in charge of activities and people?
- ⇒ Do you have an interest in sciences such as biotechnology or aquaculture?
- ⇒ Do you like caring for pets, sick or injured animals or training animals?
- ⇒ Do you enjoy doing mechanical or physical tasks?
- ⇒ Do you enjoy working outdoors?

If you have answered "yes" to some of these questions, then you share interests of people in health occupations.

INTERESTS OF THIS CAREER PATH

Do you have...

- A desire to work in the outdoors*
- Clear verbal communications
- Ability to use good judgment
- Knowledge of math, business, and science
- Patience and composure in working with animals
- Mechanical aptitude and ability to work with tools
- Observation and organization skills
- Ability to work both alone and with others
- Leadership ability and decision-making skills

**not all jobs in this cluster require you to work outdoors*

If you have answered "yes" to some of these questions then you share some abilities of people employed in this pathway.

ENTRY LEVEL CAREERS

These are examples of Careers that require on-the-job training and/or minimal training:

Ag Economics

Billing Clerk
Data Processor
Farm Supply Salesperson
Record keeper
Typist – File Clerk

Ag Mechanics

Farm Equipment Salesperson
Farm Machine Operator
Welder

Animal Science

Animal Caretaker
Animal Trainer
Aqua-culturalist
Beekeeper
Cheese maker
Dairy Hand
Dog Catcher
Dog Groomer
Farmer, General
Lab Assistant
Pet Store Worker
Rancher
Trapper
Veterinary Attendant

Forestry

Firefighter
Forester Aide
Logger
Park Worker
Scaler

Crop & Soil Science

Farmer, General
Field Worker
Harvester
Irrigator
Sorter, Ag Product

Wildlife Management

Commercial Fisher
Entomology Trainee
Fish Hatchery Worker
Game Refuge Worker
Range Management Worker

Horticulture

Cannery Worker
Flower Grower
Greens keeper
Landscape Gardener
Nursery Worker
Orchard Worker
Tree Pruner

SEMI-PROFESSIONAL CAREERS

These are examples of careers that generally require:

Technical College and/or Experience

Animal Science

Animal Breeder
Animal Science Technician
Biotechnician
Dairy Herd Management
Dairy Technologist
Equine Management
Farrier
Horse Trainer
Horseshoer
Laboratory Animal Technician
Pest Inspector
Poultry Technologist

Agriculture Mechanics

Agriculture Fabrication
Diesel Mechanic
Gas Engine Mechanic
Tractor Mechanic

Agriculture Economics

Farm Supervisor
Nursery Supervisor
Seed Representative

Veterinary Technician

Crop Soil Science

Field Supervisor
Seed Technologist
Soil Technologist
Water Technologist

Forestry

Fire Control Officer
Forestry Technician
Timber Harvesting Equipment Operator

Horticulture

Agriculture Inspector Trainee
Florist
Grounds Maint. Supervisor
Landscape Supervisor
Nursery Supervisor
Ornamental Horticulture Technician

Wildlife Management

Bureau of Land Management Technician
Fish Hatchery Technician
Game Refuge Technician
Taxidermist
Wildlife Technician

Careers Related to Cluster

Advertising Manager
Commodity Broker
Insurance Agent
Real Estate Broker
Sales Representative
Technical Service Representative

(A technical college/specialized school degree may be required in some of the above careers.)

**Experience is essential for progress
and success in these careers!!**

SKILLED AND PROFESSIONAL CAREERS

These are examples of careers that generally require:

**Specialized
Schools**

or

**Colleges/
Universities**

**and
Experience**

Ag Economics

Ag Inspector
Ag Marketing
Agri-Businessperson
Banker
Farm Manager/Owner
Nursery Owner

Ag Mechanicaics

Ag Engineer
Ag Extension Advisor

Animal Science

Animal Breeder
Animal Scientist
Dairy Manager
Entomologist
Fur Rancher
Ranch Owner
Veterinarian

Crop & Soil Science

Agronomist
Conservationist

Forestry

Forester
Park Ranger

Horticulture

Landscape Architect
Landscape Contractor

Plant Breeder
Seed Analyst
Water Resource Director

Naturalist
Range Manager

Plant Genetics

Careers Related to this

Recreation Management

Operations/Maintenance Management
Park Historian
Park Naturalist
Park Ranger
Recreation Resource Specialist

Wildlife Management

Fish & Game Warden
Fish Hatchery Manager
Fishery Resource Manager
Wildlife Ecology
Wildlife Manager

Cluster

Broadcaster
Teacher
Editor
Food Science Technician
Journalist
Peace Corps Rep.
Software Designer

**For most of these careers
you must successfully complete
College/University entrance requirements**

TYPICAL MAJORS

Specialized
Schools

Colleges

and
Universities

The following is a representative list of programs that are offered in public universities, independent colleges, and technical colleges in Wisconsin. Although it may not be a complete list, it should give you a clear picture of the kinds of majors available.

**For more information, see your counselor,
a science, mathematics, or physical education
teacher**

Technical College

Agribusiness/Natural Resources
Ag-Diesel Power Mechanic
Agribusiness & Livestock Management
Agribusiness Service and Supplies
Agri-science Technician
Agriculture Equipment Mechanic
Agricultural Facilities/Equipment
Agriculture Mechanics
Basic Horticulture
Biotechnology Laboratory Technology

College/University

Agricultural Business
Agricultural Business Management
Agricultural Economics
Agricultural Engineering
Agricultural Engineering Technology
Agricultural Journalism
Agricultural Marketing
Agricultural Mechanization & Mgmt.
Agriculture (Broad Area)
Agronomy

Water Resources
Wildlife Ecology
Wildlife Management

Dairy Farm Operation
 Dairy Herd Management
 Equine Management
 Farm Business & Production Management
 Farm Operation
 Feed, Fertilizer & Farm Supply
 Farrier
 Fire Protection Technician
 Food Service Technician
 Horticultural Aide
 Horticulture – Marketing
 Horticulture – Production
 Laboratory Animal Technician
 Landscape & Turf Services
 Landscape Management
 Landscape Technician
 Meat Processing & Merchandising
 Natural Resources Technician
 Production Agriculture
 Taxidermy
 Timber Harvesting Equipment Operator
 Veterinary Technician

Animal Science
 Biological Aspects of Conservation
 Conservation
 Construction Administration
 Dairy Science
 Environmental Science
 Farm Management
 Food Science
 Food Science & Technology
 Forest Science
 Forestry
 Horticulture
 Meat & Animal Science
 Plant Pathology
 Poultry Science
 Pre-Veterinary Medicine
 Reclamation
 Recreation Resources Management
 Resource Management
 Soil & Crop Science
 Soil Science
 Technical Agriculture

RECOMMENDED COURSES

Deerfield High School

Course Considerations for Students Interested in AGRICULTURE/NATURAL RESOURCES

	Grade 9	Grade 10	Grade 11	Grade 12
English Four Credits Required	English 9	English 10	English 11 or English Electives	English 12 or English electives (read course book for technical VS four year college needs)
Science Two Credits Required	Biology	General Science or Chemistry	If pursuing 4-year college business degree, a third year of science is required	
Math Three Credits Required	Algebra or Algebra IA or Algebra IB or Geometry	Algebra or Algebra IA or Algebra IB or Geometry or Algebra II	Third year of math required for H.S. graduation or completion of Algebra II If pursuing four year degree, math should be taken through Algebra II (fourth year of math desirable)	
Social Studies Three credits required	World History	U.S. History	American Government is required in addition to another .5 elective for high school graduation. Economics highly recommended. If pursuing a 4- year college degree, A.P. courses are highly recommended.	

Physical Education and Health 1 ½ Credits of P.E. Required; ½ Credit of Health Required; ½ Credit LAHS	Physical Education or Health	Physical Education or Health	Complete (if needed) 1.5 credits of P.E. and ½ credit of health and ½ credit of Life After High School	
Computer Science ½ Credit Required	Computer Applications			
Occupational		Introduction to	Biotechnology	

Electives		Agriculture (Cambridge) Animal Science (Cambridge)	Field Biology	
Related Electives	Chemistry A.P. Biology Human Anatomy Microbiology Earth Science Applied Technology Foods Classes Business Classes			

ARTS AND COMMUNICATIONS

Arts and communications are essential parts of our modern society. People in these career areas share emotions, ideas, information, and innovations. They are creative people who enjoy sharing their talents with others.

The arts include careers in film, theatre, television, radio, dance, music, and visual arts. Nearly all careers in the arts require special talent and training. Anyone entering the arts must have strong talent, great determination, and the ability to withstand disappointment and rejection. People in the arts need to be self-disciplined, creative and able to express themselves through their art, whatever it may be.

The communications area includes telegraph, telephone, printing, publishing and broadcast media. The communications area also includes interpreters for the hearing impaired and foreign language interpreters or those that use foreign language on a regular basis in their careers. Those who do specialized reporting or are employed in emergency services such as 911 responders are also included.

Communications media are in a sense the nervous system of our society. People in these fields facilitate communications between people and over long distances. Efficient electronic methods have replaced people in some areas. In addition, the areas of television reporting and commercial photography are overcrowded, and jobs in these areas will go to the most talented.

ABILITIES OF THIS CAREER PATH

Do you...

- like to work independently in self-directed situations and with other people?
- like to express your feelings/ideas visually, in writing or by performing?
- enjoy artistic or musical activities?
- enjoy making speeches, debating, or participating in forensics?
- enjoy solving problems and manipulating electronics equipment?
- enjoy helping other people communicate better through speech or music?

INTERESTS OF THIS CAREER PATH

If you have answered “yes” to some of these questions, then you share common interests of people in arts and communications.

- ⇒ Are you able to be flexible and think creatively?
- ⇒ Do you have good oral and/or written communication skills?

- ⇒ Do you have physical/manual dexterity?
- ⇒ Are you able to get along with others and work as part of a team?
- ⇒ Can you set goals and work independently?
- ⇒ Do you have esthetic and spatial perception?
- ⇒ Do you have a good sense of rhythm?
- ⇒ Are you poised in social situations or in a crisis?
- ⇒ Are you able to express your ideas with ease and clarity?
- ⇒ Are you able to translate design ideas into design realities?

If you have answered “yes” to some of these questions then you share some abilities of people employed in this pathway.

ENTRY LEVEL CAREERS

These are examples of Careers that require on-the-job training and/or minimal training:

Creating

Artist
Classified Ad Writer
Floral Designer
Freelance Writer
Magician
Merchandise Displayer
Photo Journalist
Photographer's Assistant

Performing

Actor/Actress
Announcer
Comedian
Dancer
Disc Jockey
Magician
Model
Performing Musician
Singer

Producing

Bookbinder
Composing Room Worker
Darkroom Technician
Lighting Technician
Lithographic Worker
Magician
Merchandise Displayer
Motion Picture Projectionist
Music Copier
Photo journalist

Photoengraver
Photographer's Assistant
Platemaker
Reprographic Worker
Seamstress
Sound Technician
Stagehand
Telephone Line Worker
Telephone Operator
Telephone Service Technician
Television & Radio Service Technician

Managing

Telephone Service Representative
Telemarketer
Magician

<p>Experience is essential for progress and success in these careers!!</p>

SEMI-PROFESSIONAL CAREERS

These are examples of careers that generally require:
Technical College and/or Experience

Creating

Performing

Artist
Cartoonist
Ceramists
Commercial Artist
Computer Artist
Copy Writer
Fabric Artist
Fashion Designer
Graphic Artist
Interior Designer

Journalist
Layout/Paste-up Artist
Photographer
Screen Writer
Speech Writer
Technical Writer
Television Script Writer
Textile Designer
Writer

Actor/Actress
Announcer
Comedian
Dancer
Interpreter for Hearing Impaired
Performing Musician
Public Safety Telecommunicator
Singer

Producing

Broadcast Technician
Cable Television Technician
Camera Operator
Computer Artist
Color Scanner Operator
Costumer
Craftsperson
Film Dubber
Film Editor
Graphic Artist
Industrial Screen Printer
Instrument Repairer

Layout/Paste-up Artist
Lighting Technician
Music Video Producer
Photographer
Piano Tuner
Pre-press Graphic Technician
Printer
Printing Press Operator
Private Music Teacher
Proofreader
Recording Engineer
Sound Technician

Managing

Dance Studio Manager
Private Music Teacher

(A technical college/specialized school degree may be required in some of the above careers.)

SKILLED AND PROFESSIONAL CAREERS

These are examples of careers that generally require:

**Specialized
Schools**

or

**Colleges/
Universities**

**and
Experience**

Creating

Advertising Copywriter
Art Director
Choreographer
Composer
Costumer
Critic
Desktop Publisher
Director
Designer
Fiction Writer
Graphics Designer

Industrial Designer
Journalist
Landscape Architect
Playwright
Production Designer
Screen Writer
Scriptwriter
Sculptor
Technical Writer

Performing

Actor/Actress
Announcer
Comedian
Performing Magician
Sign Language/Oral Interpreter
Translator & Interpreter

Producing

Managing

Art Director
Art Restorer
Cable Television Engineer
Camera Operator
Desktop Publisher
Director
Editor
Makeup Artist

Photo Journalist
Print Maker
Producer
Production Designer
Publisher
Recording Engineer
Sculptor

Art Director
Choral/Instrumental
Director
Director
Graphic Arts Mgmt.
Literary & Theatrical Agent
Public Relations Manager
Publisher

**For most of these careers you must successfully complete
College/University entrance requirements**

TYPICAL MAJORS

**Specialized
Schools**

Colleges

and

Universities

The following is a representative list of programs that are offered in public universities, independent colleges, and technical colleges in Wisconsin. Although it may not be a complete list, it should give you a clear picture of the kinds of majors available.

**For more information, see your counselor,
an Art, English, Music, Foreign Language,
Business Education, or Technical Education Teacher.**

Technical College

Commercial Art
Court & Conference Reporting
Court Reporting Scopus
Educational Interpreter Tech.
Industrial Screen Printer
Interior Design
Interior Design Assistant
Marketing Communications
Printing & Publishing
Public Safety Telecommunicator
Radio Broadcasting
Technical Communications
Telecasting
Telemarketing Representative
Computer Graphics

African Language & Literature
Art
Art BFA
Art History
Art History & Criticism
Arts Management
Broadcast Technology Management
Chinese
Classical Humanities
Classics
Communication
Communication Arts
Communication & the Arts
Communication & Theatre Arts
Communication Processes
Comparative Literature

College/University

Industrial Technology/Graphics Art Mgmt.
Industrial Technology/Technical Communications
Industrial Technology/Telecommunications
Inter-arts
Italian
Japanese
Journalism
Latin
Linguistics
Mass Communication
Music
Music Performance
Music Therapy
Music Theory
Philosophy
Polish

Dramatic Arts
 English
 Film
 Fine Arts
 Foreign Language
 French
 German
 Greek
 Hebrew
 Humanistic Studies
 Humanities

Portuguese
 Radio-TV-Film
 Related Art
 Religion-Comparative Studies
 Russian
 Spanish
 Speech
 Speech Communication
 Technical Communication
 Theatre/Theatre Arts
 Theatre BFA
 Theatre & Drama
 Visual Arts

RECOMMENDED COURSES

Deerfield High School

Course Considerations for Students Interested in ARTS/COMMUNICATIONS

	Grade 9	Grade 10	Grade 11	Grade 12
English Four Credits Required	English 9	English 10	English 11 or English Electives	English 12 or English electives (read course book for technical VS four year college needs)
Science Two Credits Required	Biology	General Science or Chemistry	If pursuing 4-year college business degree, 3 years of science is required	
Math Three Credits Required	Algebra or Algebra IA or Algebra IB or Geometry	Algebra or Algebra IA or Algebra IB or Geometry or Algebra II	Third year of math required for H.S. graduation or completion of Algebra II If pursuing four year degree, math should be taken through Algebra II (fourth year of math desirable)	
Social Studies Three credits required	World History	U.S. History	American Government is required in addition to another .5 elective for high school graduation.	
Physical Education 1 ½ Credits of P.E. Required Health and L.A.H.S. 1 credit required	Physical Education or Health	Physical Education or Health	Complete (if needed) 1.5 credits of P.E. and ½ credit of health and ½ credit of Life After High School	
Computer Science ½ Credit Required	Computer Applications			
Related Electives	Art Classes Applied Digital Multimedia Business Marketing Desktop Publishing Digital Video Productions Diversity Foreign Language Information Processing International Business Music Classes			

BUSINESS AND MARKETING

The field of marketing and distribution comprises all the steps that bring countless products and services to consumers. These steps include market research, advertising, packaging, distribution, sales and merchandising. The jobs and work settings are as varied as the thousands of products and services that are bought and sold every day.

Education and specialized training in the fields of business and marketing are more important than ever. A high school diploma is required for most entry-level jobs. Technical college or four-year college is essential for higher level business jobs. In almost any area and at every level, computer training will be needed to keep up with the demand for immediate information. Education will not end with employment. In the fast-changing world of business and marketing, retraining (continued education) will be essential to keep up with and adjust to new developments brought about by technology.

Right now almost one-third of the work force in the United States is employed in administration, business, and office work. Each sector of the economy from mining and agriculture to wholesale and retail trade requires office workers and business and financial experts. New technology is changing the way people do business. It is in the process of transforming the traditional office and many of the traditional office jobs. Some jobs are disappearing; but not the office itself. In recent years, office jobs have been growing faster than many other kinds of jobs. Business services, finance, insurance, and real estate, and wholesale and retail trade are the largest employers in the business sector

ABILITIES OF THIS CAREER PATH

Do you have...

- Analytic and clerical skills?
- Organizational skills and the ability to be accurate?
- Ability to be persuasive?
- Leadership ability and decision-making skills?
- Clear verbal communication?
- Ability to get along with others and be part of a team?
- A competitive nature?
- Ability to work under pressure?
- Problem-solving skills?

If you have answered, “yes” to some of these questions, then you share some of the common abilities of people in business or marketing.

INTERESTS OF THIS CAREER PATH

- Would you like operating computers or other business machines?
- Do you enjoy working with numbers, writing letters, filing records, or preparing reports?
- Are you comfortable performing detailed work?
- Can you give and receive information?

- Do you enjoy making speeches, debating, or persuading other people?
- Do you have any interest in greeting people, answering questions, or helping customers?
- Are you seen as a leader by your peers?
- Do you like planning and directing the activities of other people?
- Do you prefer your work to be structured?

If you have answered “yes” to some of these questions then you share some abilities of people employed in this pathway.

ENTRY LEVEL CAREERS

These are examples of careers that require on-the-job training and/or minimal experience

Administration/Administrative Support

Court Clerk
Hospital Admitting Clerk
Mail Clerk
Mail Service Worker
Messenger Service Worker
Office Clerk
Personnel Clerk
Receptionist
Registration Clerk
Stenographer
Transcriber

Accounting/Financial

Accounting Clerk
Bank Clerk
Bank Teller
Credit Checker
Credit Collector
Loan Interviewer
Statistical Clerk
Teller

Management Information Systems

Data Entry
File Clerk

Marketing

Cashier
Comparison Shopper
Direct Sales
Distributor
Equip. Rental Agent
Personal Shopper
Purchasing Agent

Sales Clerk
Sales Demonstrator
Salesperson
Shipping/Receiving Clerk
Stock Clerk
Telemarketing Specialist
Warehouse Worker

SEMI-PROFESSIONAL CAREERS

These are examples of careers that generally require:

Technical College and/or Experience

Administration/Administrative Support

Administrative Assistant
Office Manager
Paralegal
Personnel Manager
Secretary
Union Business Agent

Accounting/Financial

Bookkeeper
Claim Adjuster
Claim Examiner
Tax Preparer

Management Information Systems

Computer Operator

Marketing

Auctioneer

Computer Programmer
 Computer Software Documentation Writer
 Tape Librarian

Buyer
 Insurance Agent/Broker
 Manufacturers' Sales Worker
 Real Estate Sales/Broker
 Sales Representative
 Small Business Owner
 Title Examiner
 Travel Agent

(A technical college/specialized school degree may be required in some of the above careers.)

**Experience/Technical College is essential
 for progress and success in these careers!!**

SKILLED AND PROFESSIONAL CAREERS

These are examples of careers that generally require:

*Specialized
 Schools*

or

*Colleges/
 Universities*

*and
 Experience*

Administration/ Administration Support

Business Education/Marketing Instructor
 General Manager
 Office Planner
 Personnel Recruiter
 Trainer Specialist

Accounting/Financial

Accountant
 Actuary
 Auditor
 Bank Officer
 Controller
 Credit Official
 Financial Analyst
 Financial Planner
 Investment Banker
 Securities Broker
 Statistician
 Underwriter

Management Information Systems

Computer Consultant
 Computer Database Manager
 Data Processing Manager
 Management Information Systems Professional
 Systems Analyst

Marketing

Advertising Account Executive
 Advertising Manager
 Distribution Manager
 Estate Planner
 Import/Export Worker
 Information Marketing Specialist
 Marketing Director
 Marketing Research Worker
 Media Buyer
 Media Time Sales
 Purchasing Agent
 Real Estate Agent
 Real Estate Appraiser
 Sales Manager
 Store Manager
 Trade Show Manager

TYPICAL MAJORS

Specialized

Schools **or** **Colleges/**
Experience **Universities** **and**

The following is a representative list of programs that are offered in public universities, independent colleges, and technical colleges in Wisconsin. Although it may not be a complete list, it should give you a clear picture of the kinds of majors available.

Technical College

Accounting Assistant
 Accounting
 Administrative Assistant
 Automated Business – Support Specialist
 Banking and Financial Services
 Business Administration and Personnel
 Business Administration and Credit
 Business – Mid Management
 Clerk Typist – Medical
 Computer Programmer/Analyst
 Computer Technical Support Specialist
 Computer Operator
 Court and Conference Reporting
 Court Reporting Scapist
 Data Entry Operations
 Data Processing – Machine Operation
 Financial Institution Management
 Financial Planning Assistant
 Information Processing Specialist
 Food Marketing
 Hospitality Management
 Hotel-Motel Management
 Insurance Sales Associate
 International Trade Associate
 Legal Secretary
 Legal Transcriptionist
 Marketing

Marketing – Communications
 Marketing – Fashion Merchandising
 Marketing – Industrial
 Marketing – Materials Management
 Marketing – Retailing
 Marketing – Transportation Logistics
 Medical Office – Mid Management
 Medical Secretary
 Medical Transcription
 Municipal Administration
 Office Assistant
 Office Computer Specialist
 Paralegal
 Property Assessment
 Property Management Associate
 Quality Improvement Process Specialist
 Real Estate
 Records and Information Mgt. Technician
 Recreation Resource Associate
 Small Business Management
 Small Business Operations
 Small Business Training
 Stenographer
 Supervisors Management
 Telemarketing Representative
 Tourism Recreation Associate
 Travel Agent
 Production/Operations Management

 Real Estate & Urban Development
 Real Estate & Urban Land Economics
 Risk Management & Insurance
 Secretarial Administration

College/University

Accounting
 Accounting – Managerial
 Administrative Management
 Actuarial Science
 Business Administration
 Business Diversified
 Business Administration and Economics
 Business Finance
 Business Management
 Computer Information Systems
 Computer Science
 Computer Science and Statistics
 Entrepreneurship
 Finance
 Finance, Investment and Banking
 General Business
 General Business – Administration
 Hospitality and Tourism Management
 Information Systems
 Information Systems Analysis & Design
 Information & Computing Sciences
 Management
 Management Computer Systems
 Management Information Systems
 Marketing
 Office Management
 Personnel/Human Resources

 Quantitative Analysis

Transportation & Public Utilities

RECOMMENDED COURSES

Deerfield High School

Course Recommendations for Students Interested in **BUSINESS AND MARKETING**

	Grade 9	Grade 10	Grade 11	Grade 12
English Four Credits Required	English 9	English 10	English 11 or English Electives	English 12 or English electives (read course book for technical VS four year college needs)
Science Two Credits Required	Biology	General Science or Chemistry	If pursuing 4-year college business degree, a third year of science is required	
Math Three Credits Required	Algebra or Algebra IA or Algebra IB or Geometry	Algebra or Algebra IA or Algebra IB or Geometry or	Third year of math required for H.S. graduation or completion of Algebra II If pursuing four year degree, math should be taken through Algebra II (fourth year of math desirable)	

		Algebra II		
Social Studies Three credits required	World History	U.S. History	American Government is required in addition to another .5 elective for high school graduation. Economics highly recommended. If pursuing a 4-year college degree, A.P. courses are highly recommended.	
Physical Education and Health 1 ½ Credits of P.E. Required; 1 Credit of Health and LAHS required	Physical Education or Health	Physical Education or Health	Complete (if needed) 1.5 credits of P.E. and ½ credit of health and ½ credit of Life After High School	
Computer Science ½ Credit Required	Computer Applications			
Occupational Electives	Information Processing (Microsoft Word) Desktop Publishing	Accounting I & Accounting II Business Marketing Speedwriting	Business Career Workshop Business Law Personal Finance	Accounting III & IV International Business Economics
Related Electives	Computer Science Courses Introduction to Food Service Foreign Language Statistics and Math Applications Sociology Drafting Introduction to Materials and Processing Manufacturing			

HEALTH SERVICES

The Health Services field today is filled with numerous opportunities. As of the year 2000, this field has added the most employment in Wisconsin.

Health Services, with its advanced technological changes and high degree of specialization, offers many individual challenges. The Health Services industry has responded to the trends toward low cost medical care with new market forces and changes in its delivery system making this an exciting field. Anyone who is willing to accept such changes will find that the health services field promises much as a career choice - a wide variety of positions in an assortment of settings with an expanding and challenging future.

ABILITIES OF THIS CAREER PATH

Do you...

- ⇒ have an interest in working with people for a common cause?
- ⇒ enjoy doing volunteer work in the community?
- ⇒ like changing from one duty to another frequently?
- ⇒ have an interest in working with people who are injured, sick, or ill?
- ⇒ want to promote wellness lifestyles?
- ⇒ like working with the young, elderly, sick, or handicapped?
- ⇒ have an interest in talking to and relating to sick or handicapped people?

If you have answered “yes” to some of these questions, then you share interests of people in health occupations.

INTERESTS OF THIS CAREER PATH

- ⇒ Do you have the ability to be accurate
- ⇒ Are you seen by your peers and others as thoughtful, sensitive, and patient?
- ⇒ Are you comfortable in leadership roles?
- ⇒ Can you work as part of a team?
- ⇒ Are you flexible? Do you enjoy varied tasks?
- ⇒ Can you think creatively and creatively?
- ⇒ Do you have good physical skills and enjoy activities which promote physical stamina?
- ⇒ Do you have a concern for people and their problems?

If you have answered “yes” to some of these questions then you share some abilities of people employed in this

ENTRY LEVEL CAREERS

These are examples of Careers that require on-the-job training and/or minimal training:

Community Service

Aerobic Instructor
Ambulance Driver
Home Health Aide

Hospital Service

Admitting Clerk
Central Service Technician
Dialysis Technician
Dietetic Assistant
EEG/EKG Technologist
Nurse's Aide and Orderly
Ward Clerk

Clinic Services

Dental Assistant
Dental Laboratory Technician

Research and Education

Certified Laboratory Assistant
Laboratory Animal Care Worker

SEMI-PROFESSIONAL CAREERS

**These are examples of careers that generally require:
Technical College and/or Experience**

Community Services

Emergency Medical Technician
Hospice Worker
Paramedic
Pharmaceutical Detail Representative

Hospital Service

Biomedical Equipment Technician
Inhalation Therapist
Licensed Practical Nurse
Medical Record Technician and Clerk

Substance Abuse Counselor

Occupational Therapy Assistant
Radiological Technologist
Respiratory Therapist

Clinic Services

Dental and Medical Secretary
Dental Hygienist
Medical Assistant
Optometric Assistant

Research & Education

Biological Photography
Cytotechnologist
Histological Technician
Licensed Practical Nurse
Medical Laboratory Worker

Optician
Orthopist
Veterinary Asst.

**Experience is essential for progress
and success in these careers!!**

SKILLED & PROFESSIONAL CAREERS

These are examples of careers that generally require:

**Specialized
Schools**

or

**Colleges/
Universities**

**and
Experience**

Community Services

AIDS Counselor
Art & Music Therapist
Athletic Trainer
Geriatric Social Worker
Health Instructor
Industrial Hygienist
Medical Social worker
Nurse
Peace Corps Worker
Pharmacist
Physical Education Specialist
Public Health Engineer
Wellness Coordinator

Hospital Services

Dietician
Hospital Administrator
Medical Record Administrator
Nurse Anesthetist
Nurse
Occupational Therapist
Ophthalmologist
Physical Therapist
Physician
Podiatrist
Psychiatrist
Recreation Therapist
Registered Nurse
Speech Therapist

Clinic Services

Acupuncturist
Allergist
Anesthesiologist
Cardiologist
Chiropractor
Dentist
Dermatologist
Gynecologist
Hematologists

Ophthalmologist
Optometrist Asst.
Orthodontist
Osteopathic Physician
Physician/Gen. Practitioner.
Physician Assistant
Plastic Surgeon
Podiatrist
Prosthetics and Orthotist

Research & Education

Biomechanical Engineer
Food Technologist
Medical Illustrator
Medical Laboratory Technologist
Medical Librarian
Medical Physicist
Medical Writer
Pharmacologist
Speech Pathologist

Histologist
Medical Technician
Nurse
Obstetrician

Psychiatrist
Psychologist
Speech Pathologist/Audiologist
Urologist
Veterinarian

Veterinary Medicine Research
Zoo keeping

**For most of these careers you must successfully complete
College/University entrance requirements**

TYPICAL MAJORS

Specialized
Schools

Colleges

and
Universities

The following is a representative list of programs that are offered in public universities, independent colleges, and technical colleges in Wisconsin. Although it may not be a complete list, it should give you a clear picture of the kinds of majors available.

**For more information, see your counselor,
a science, mathematics, or physical education teacher.**

Technical College

Central Service Technician
Community Develop Disabilities Assoc.
Dental Hygienist
Dental Laboratory Technician
Diagnostic Medical Sonography
Dispensing Optician
Electroneurodiagnostic Technician
Emergency Medical Services Specialist
Emergency Medical Services - Basic
Health Unit Coordinator
Hearing Impaired
Histotechnology
Homemaker/Home Health Aide
Human Services Associate
Medical Assistant
Medical Laboratory Technician
Medical Record Technician
Medication Assistant
Nursing Assistant
Nursing - Associate Degree
Occupational Therapy Technician
Optometric Assistant

College/University

Clinical Laboratory Science
Dietetics
Environmental & Public Health
Health Care Administration
Health Information Administration
Health Sciences
Medical Science
Medical Technology
Microbiology & Public Health
Nuclear Medicine Technology
Nursing
Nursing Degree Completion
Nutrition
Occupational Therapy
Pharmacy
Physical Therapy
Physician Assistant
Speech Pathology & Audio logy
Therapeutic Recreation
Pre-Med
Pre-Pharmacy
Pre-Dental

Optometric Technician
 Paramedic
 Pharmacy Technician
 Phlebotomy Technician
 Physical Therapist Assistant
 Practical Nursing
 Radiography

Renal Dialysis Technician
 Respiratory Care Practitioner
 Surgical Technician
 Visually Impaired

Pre-Optometry
 Pre-Chiropractic
 Radiology Technician
 Zoo keeping

RECOMMENDED COURSES

Deerfield High School

Course Considerations for Students Interested in HEALTH CARE

	Grade 9	Grade 10	Grade 11	Grade 12
English Four Credits Required	English 9	English 10	English 11 or English Electives	English 12 or English electives (read course book for technical VS four year college needs)
Science Two Credits Required	Biology	General Science or Chemistry	If pursuing 4-year college health degree, a third year of science is required. Four years of science is recommended. For most 2-year health degrees, two years is sufficient; however, 3 or 4 would be recommended.	
Math Three Credits Required	Algebra or Algebra IA or Algebra IB or Geometry	Algebra or Algebra IA or Algebra IB or Geometry or Algebra II	Third year of math required for H.S. graduation or completion of Algebra II If pursuing four year degree, math should be taken through Algebra II (fourth year of math desirable)	
Social Studies Three credits required	World History	U.S. History	American Government is required in addition to another .5 elective for high school graduation. If pursuing a 4-year college degree, A.P. courses are highly recommended.	

Physical Education and Health 1 ½ Credits of P.E. required; ½ Credit of Health required; ½ credit LAHS required	Physical Education or Health	Physical Education or Health	Complete (if needed) 1.5 credits of P.E. and ½ credit of health and ½ credit of Life After High School
Computer Science ½ Credit Required	Computer		
Occupational Electives	Introduction to Health Occupations		
Related Electives	Computer Science Courses Foods I and II		

	Child and Parenting I and II Foreign Language – Spanish Health Issues Human Anatomy Biotechnology A.P. Biology Microbiology Psychology
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HUMAN SERVICES

Jobs in family/consumer and personal services provide several main functions. They help people feel and look better, they provide physical and emotional care to the young, the elderly and others who need such help as well as help people in times of crisis and/or change. They provide opportunities to people who find rewards in making a difference in the quality of peoples' lives. Opportunities in Wisconsin in the human service areas are varied and plentiful and will continue to grow.

ABILITIES OF THIS CAREER PATH

Do you...

- have a desire to help people?
- enjoy helping others learn new things or acquire information?
- get along with a wide variety of people?
- enjoy providing service to other people – to give information, see to their comfort or enhance their appearance?
- enjoy reading about or studying how society works and the interactions of individuals or groups of people?
- enjoy sharing ideas with others?
- like working as part of a team?
- like being in charge of planned activities?
- enjoy volunteering or serving your community, state, or nation?

If you have answered "yes" to some of these questions, then you share interests of people in health occupations.

INTERESTS OF THIS CAREER PATH

- ⇒ Are you seen as a leader?
- ⇒ Are you flexible and enjoy varied tasks?
- ⇒ Can you take and follow directions?
- ⇒ Are you able to plan and direct others' activities?
- ⇒ Do you analyze and evaluate information readily?
- ⇒ Do you have a concern for people and their problems?
- ⇒ Do you have good physical skills and enjoy activities which promote physical stamina?

If you have answered "yes" to some of these questions then you share some abilities of people employed in this pathway.

ENTRY LEVEL CAREERS

These are examples of Careers that require on-the-job training
and/or minimal training:

Hospitality and Recreation

Bartender
Bowling Pin Machine Mechanic
Dining Room Attendant
Doorkeeper
Guide/Hunting, Fishing
Hospitality Cashier
Hotel Bellhop & Porter
Hotel Desk Clerk
Hotel House worker
Motion Picture Projectionist
Outdoor Guide
Recreation Worker
Restaurant Host and Hostess

Government and Community Service

Stadium Worker
Ticket Taker
Tour Escort
Usher
Waiter/Waitress
Armed Services Career
Patrol Agent
Building Custodian
Federal Government Worker
Geriatric Aide
Highway Mechanic Worker
Meter Reader
Postal Service Worker
Power Plant Worker
Refuse Worker
School Crossing Guard
Security Guard
Teacher's Aide
Youth Organization Worker

Personal Services

Animal Worker
Chauffeur
Companion
Geriatric Aide
Personal Shopper
Personal Service Worker
Pest Control Worker
Pet Care Worker
Rug & Carpet Cleaner
Security Guard
Shoe Repairer
Swimming Pool Service
Window Cleaner

Family & Consumer

Cafeteria Assistant
Child Care Worker, Private
Dishwasher
Short Order Cook
Dry Cleaning Worker
Fast Food Franchise Wkr.
Home Caterer
Homemaker
Housekeeper, Domestic
Industrial Serving
Laundry Worker

**Experience is essential for progress
and success in these careers!!**

SEMI-PROFESSIONAL CAREERS

These are examples of careers that generally require:

Technical College and/or Experience

Hospitality and Recreation

Caterer
Convention Specialist
Health Fitness Worker
Head Waiter & Waitress

Government and Community Service

Appraiser
Bailiff
Corrections Officer
Court Reporter

Lifeguard
 Restaurant Steward
 Ski/Golf Course Manager
 Social Director
 Steward/Stewardess
 Swimming Instructor
 Theatre/Movie House Manger

Crime Lab Technician
 Detective
 Electric Power Service Worker
 Electric Power Transmission/Distribution Worker
 Firefighter
 Legal Assistant, Corporate
 Paralegal Aide
 Paramedic
 Police Officer

Personal Services

Alcohol & Drug Counselor
 Barber & Hairstylist
 Bodyguard
 Bridal Consultant
 Consumer Credit Counselor
 Cosmetologist
 Custom Upholsterer
 Detective
 Electrologist
 Embalmer
 Interior Designer
 Locksmith

Massage Therapist
 Personal Exercise Trainer
 Piano & Organ Tuner/Tech.
 Retail Jeweler
 Surveillance System Monitor
 Watch Repairer

Family & Consumer

Appliance Service Worker
 Cook & Chef
 Custom Tailor/Dressmaker
 Day Care Worker
 Dietetic Technician
 Floral Designer
 Hotel Designer
 Institutional Child Care Worker
 Institutional Housekeeper
 Interior Design
 Nanny
 Pantry Supervisor
 Pastry Chef and Baker

(A technical college/specialized school degree may be required in some of the above careers.)

SKILLED & PROFESSIONAL CAREERS

These are examples of careers that generally require:

**Specialized
 Schools**

or

**Colleges/
 Universities**

**and
 Experience**

Hospitality and Recreation

Athletic Trainer/Coach
 Cruise Director
 Food & Beverage Manager
 Hotel Executive Housekeeper
 Hotel Manager
 Museum Curator
 Museum Worker

Government and Community Service

Adult Education Worker
 Internal Revenue Serv. Wkr.
 City Manger
 College Student Personnel Wkr.
 Consumer Advocate
 Criminologist
 Customs Worker
 Demographer

Librarian
 Parole Officer
 Political Consultant
 Political Scientist
 Probation Counselor
 Psychologist

Park Ranger
Counselor
Professional Athlete
Stadium Manager
Travel Agent
Zoo Administrator

Economist

FBI Special Agent
Foreign Service Worker
Fund Raiser
Govt. Inspector/Examiner
Historian
Urban & Regional Planner

Rehabilitation

School Administrator
School Counselor
School Media Specialist
Sociologist
Teacher

Personal Services

Divorce Mediator
Funeral Director
Interior Designer
Lawyer
Marriage & Family Counselor
Mortician
Psychologist
Religious Vocation
Vocational Counselor

Family & Consumer

Business home Economist
Child Development Specialist
Dietician & Nutritionist
Divorce Mediator
Home Economics Teacher
Interior Designer
Menu Planner
Research Home Economist

**For most of these careers you must successfully complete
College/University entrance requirements**

TYPICAL MAJORS

Specialized Schools

Colleges

and Universities

The following is a representative list of programs that are offered in public universities, independent colleges, and technical colleges in Wisconsin. Although it may not be a complete list, it should give you a clear picture of the kinds of majors available.

**For more information, see your counselor,
a science, mathematics, or physical education teacher.**

Technical College

Alcohol & Other Drug Abuse Service
Alterationist
Barber/Cosmetologist
Cable Television Systems Services
Child Care Associate
Child Care Services
Child Day Care

Interior Design
Jewelry Repair & Fabrication
Military Police
Paramedic
Police Science
Public Safety Telecommun.
Restaurant & Inst. Food Prep

College/University

Anthropology
Apparel Design Mfg.
Behavioral Science Recreation/Management
Child Dev/Family Life
Communications Dis.
Consumer Science
Criminal Justice
Public Administration
Recreation
Regional Analysis
Rehab Psychology/Couns.
Resources Management
Retail Mdse. & Mgmt.

Clothing Design & Sales
 Community Develop Dis. Assoc.
 Corrections Services
 Cosmetology Specialist
 Culinary Arts
 Custodial Services
 Dietary Manager
 Dietetic Technician
 Educational Interpreter Technician
 Environmental Services Management
 Facility Maintenance Service
 Family Day Care
 Fire Protection Technician
 Food Service Assistant
 Food Production Specialist
 Food Service Management
 Food/Hospitality Mgmt. Tech.
 Funeral Services
 Homemaker/Home Health Aide
 Human Services Associate
 Industrial Sewing Operator
 Infant & Child Specialist
 Interior Design Assistant

Retail Bakery Production
 School Food Service Asst.
 Security Loss Prevention
 Shoe Servicing
 Tailor
 Telephone Service Rep.

Economics
 Education
 Fashion Merchandising
 Food Syst. Mgmt. Social Studies
 Food Service Admin. Social Changes/Develop.
 Foreign Languages Social Science
 General Home Econ. Social Work
 Geography Sociology
 History Textiles/Apparel Design
 Home Ec. In Business Urban Studies
 Home Ec. Journalism Urban & Regional Stud.
 Hospitality/Tourism Mgt. Vocational Rehabilitation
 Human Behavior & Soc. Women's Studies
 Interior Design/Décor.
 International Relations
 International Studies
 Nutrition Sciences
 Political Science
 Pre Law
 Psychology

RECOMMENDED COURSES

Deerfield High School

Course Considerations for Students Interested in Human Resources

	Grade 9	Grade 10	Grade 11	Grade 12
English Four Credits Required	English 9	English 10	English 11 or English Electives	English 12 or English electives (read course book for technical VS four year college needs)
Science Two Credits Required	Biology	General Science or Chemistry	If pursuing 4-year college health degree, a third year of science is required. Four years of science is recommended.	
Math Three Credits Required	Algebra or Algebra IA or Algebra IB or Geometry	Algebra or Algebra IA or Algebra IB or Geometry or Algebra II	Third year of math required for H.S. graduation or completion of Algebra II If pursuing four year degree, math should be taken through Algebra II (fourth year of math desirable)	
Social Studies Three credits required	World History	U.S. History	American Government is required in addition to another .5 elective for high school graduation. If pursuing a 4-year college degree, A.P. courses are highly recommended.	

	Grade 9	Grade 10	Grade 11	Grade 12
Physical Education and Health 1 ½ Credits of P.E. Required; ½ Credit of Health required; ½ Credit of LAHS required	Physical Education or Health	Physical Education or Health	Complete (if needed) 1.5 credits of P.E. and ½ credit of health and ½ credit of Life After High School	
Computer Science ½ Credit Required	Computer Applications			

Occupational Electives	Food Courses Technology Courses	Child & Parenting Intro. to Health Occupations	Child & Parenting II Criminal Justice Administration	
Related Electives	Sociology Psychology Foreign Language Computer Courses Health Music Art Physical Education Accounting			

INDUSTRIAL, SCIENTIFIC, AND ENGINEERING TECHNOLOGY

Modern technology has an enormous effect on our lives. Technology makes life simpler. Scientists, engineers, technologists, and technicians all contribute to the wondrous development of technology. Environmental technology is a relatively new career area that will be greatly expanding in the future. Jobs in science and engineering will continue to be plentiful in the 21st century in Wisconsin. The manufacturing industry, with its factories and suppliers, helps keep America running. Manufacturing accounts for about 25% of the total employment in Wisconsin and is expected to remain stable in the future.

Construction with all of its related fields is an enormous industry but one that is tied closely to the economy and is one of the first fields hit by recession and economic change. Jobs in construction will go to those who have obtained training and have up-to-date skills. In Wisconsin, construction accounts for 3% of the total employment.

The transportation industry includes occupations moving both people and products via buses, railroads, trucks, airplanes, and ships but employs less than 3% of the total employment in Wisconsin.

ABILITIES OF THIS CAREER PATH

Do you enjoy...

- Figuring out how things work?
- Operating or fixing machines/
- Working with your hands, assembling, building, or repairing things?
- Working with metal, plastics, or wood materials?
- Planning and supervising a project or completing a project or parts of a project?
- Drawing detailed plans or patterns or working with blueprints?
- Courses in biology, chemistry, or physics?
- Reading automotive or scientific magazines?
- Advanced mathematics classes?
- Solving practical problems with mathematics?
- Helping others build things?
- Collecting, rocks, minerals, or soil samples?
- Doing chemistry experiments?
- Sorting products by size, weight, or quality?
- Working with computers, robots, or computer-controlled machines?
- Working with other people to solve a real life problem?

If you answered “yes” to some of these questions, then you share common interest of people in engineering, science, and technology.

INTERESTS OF THIS CAREER PATH

Do you have...

- ⇒ An aptitude in mathematics and/or science?
- ⇒ The ability to communicate and get along with others?
- ⇒ Leadership skills and good judgment
- ⇒ Good physical skills and stamina?
- ⇒ The ability to be accurate and concentrate?
- ⇒ The curiosity and ability to solve a problem with creativity?
- ⇒ A preference for working with your hands?
- ⇒ The ability to use logic to solve problems?
- ⇒ Good organizational skills and the ability to complete projects?
- ⇒ Composure under stress or in a crisis?
- ⇒ The ability to analyze problems?
- ⇒ The ability to understand and pay close attention to standards?

If you have answered “yes” to some of these questions then you share some abilities of people employed in this pathway.

ENTRY LEVEL CAREERS

These are examples of Careers that require on-the-job training and/or minimal training:

Transportation

Airline Baggage/Freight Handler
 Airline Reservation Agent
 Airline Ticket Agent
 Airport Utility Worker
 Oper.
 Auto Driving Instructor
 Bicycle Mechanic
 Car Rental Agent
 Car Wash Worker
 Dock Worker
 Gas Station Attendant
 Intercity Bus Driver
 Local Transit Operator
 Local Truck Driver
 Locomotive Firer
 Long Haul Truck Driver
 Marine Services Technician

Mover
 Parking Attendant
 Power Truck Oper.
 Railroad Braker
 Railroad Clerk
 RR Maintenance
 RR Signaler
 RR Signaler Maint.
 RR Telegrapher
 RR Tower Operator
 RR Track Worker
 Sani. Landfill Oper.
 Seaman
 Spec.Serv.Bus Driver
 Taxi Driver
 Tow Truck Driver

Manufacturing

Assembler
 Bindry worker
 Blacksmith/ForgeShopWkr.
 Boiler Tender
 Boilermaking Worker
 Patternmaker, Plastics
 Butchers & Meat Cutters
 Press Operator
 Cement Loader
 Composite Technician
 Cutting Mach. Operator
 Die Cutter
 Electroplater
 Hand Packers/Packagers
 Hydraulic Maint. Technician
 Indust.Laser Machine Oper.
 Indust. Truck Operator

Numerical Control
 Machine Operator
 Paint Mixer
 Polishing Mach.
 Production Painter
 Pulp Refiner
 Operator
 Quality Control
 Insp.
 Screen Printer

ENTRY LEVEL CAREERS continued

Construction

Air Cond/Heat Mechanic
 Bricklayer
 Heavy Equip. Worker
 House Repairer

Science

Diner
 Lab Worker

Engineering/ Applied Math

None

Cement Mason	Insulation Worker	Veterinary Assistant
Const. Equip. Mechanic	Iron/Steel Worker	Zoo keeping Assistant
Construction Laborer	Mfg. Home Assembly	
Construction Millwright	Marble/Tile/Terrazzo Wrkr.	
Demolition Worker	Painter/Paperhanger	
Drywall Installer/Finisher	Plasterer	
Elevator Const/Repair Wrkr.	Roofer	
Floor Covering Installer		

**Experience is essential for progress
and success in these careers!!**

SEMI-PROFESSIONAL CAREERS

These are examples of careers that generally require:

Technical College and/or Experience

Transportation

Aerospace Technician
Aircraft Mechanic
Airline Flight Attendant
Auto Body Repairer
Automotive Mechanic
Avionics Technician
Boat, Motor Mechanic
Diesel Mechanic
Flight Info .Coord./Radio Oper.
Merchant Marine Steward/Cook
Motorcycle Mechanic
Parking Analyst
Railroad Conductor
Railroad Engineer
Railroad Station Agent
Truck/Bus Dispatcher
Truck Terminal Manager

Manufacturing

CAD Specialist
Chemical Technician
Die Cutter
Die Setter
Draft Person
Drafter/Design Technician
Electrical Technician
Electromechanical Technical
Electronics Technician
Fluid Power Technician
Gunsmith
Industrial Machinery Repairer
Industrial Truck Operator
Industrial Upholsterer
Instrument Maker

Instrument Repairer
Lathe Operator
Machine Set-Up Operator
Metallurgical Technician
Nuclear Technician
Pharmaceutical Technician
Printer
Production Supervisor
Robotics Technician
Screen Printer
Stationery Engineer
Tool & Die Maker
Welder & Cutter

SEMI-PROFESSIONAL CAREERS continued

Construction

Air Conditioning/Heating Technician
Architectural Drafter
Architectural Model Maker
Carpenter
Civil Engineering Technician

Science

Maintenance Electrician
Plumber/Pipe Fitter
Power Tool Repair
Septic Tank Installer
Sheet Metal Worker

Aerospace Technician
Biological Technician
Chemical Technician
Genetic Eng. Rsrch. Asst.
Instrumentation Technician

Construction Electrician
Construction Equipment Dealer
Drafter/Design Technician
Electrical Technician
Electromechanical Technician
Energy Conservationist Technician
Estimator
Expeditor

Solar Energy Technician
Specification Writer
Water Well Driller
Welder

Laboratory Tester
Laser/Fiber Optics Tech.
Metallurgical Technician
Pharmaceutical Technician

Engineering/Applied Mathematics

Aerospace Technician
CAD Specialist
Drafter/Design Technician
Electrical Technician
Electromechanical Technical

Genetic Eng. Rsrch. Asst.
Instrument Technician
Laser/Fiber Optics Tech.
Mechan. Engineer. Tech.
Robotics Technician

(A technical college/specialized school degree may be required in some of the above careers.)

SKILLED & PROFESSIONAL CAREERS

These are examples of careers that generally require:

**Specialized
Schools**

or

**Colleges/
Universities**

**and
Experience**

Transportation

Aerospace Engineer
Air Traffic Controller
Airline Dispatcher
Airplane Pilot
Airport Manager
Auto/Diesel Mechanics
Flight Engineer
Flight Instructor
Merchant Marine Captain
Merchant Marine Purser
Merchant Marine Radio Officer
Traffic Engineer
Traffic Manager
Transportation Engineer

Manufacturing

Air Conditioning Engineer
Artificial Intelligence Spec.
Automated Mfg. Manager
Ceramic Engineer
Chemical Engineer
Chemist
Electrical/Electronic Engineer
Industrial Designer
Industrial Engineer
Industrial Hygienist
Labor Relations Specialist
Laser/Fiber Optics Engineer
Manufacturing Engineer
Plant Manager
Production Manager
Quality Control Engineer

Quality Control Manager
Robotics Engineer
Safety Engineer
Systems Engineer

Construction

Architect
Building Inspector
Civil Engineer
Construction Manager
Heavy Constr. Contractor
Highway Contractor
Highway Engineer
Highway Inspector
Landscape Architect
Surveyor

Science

Actuarial Science
Aerospace Engineer
Air-Conditioning Engineer
Artificial Intelligence Specialist
Astronomer

Metallurgical Engineer
Nuclear Engineer
Robotics Engineer
Safety Engineer
Statistician

Biomedical Engineer
Botanist
Chemical Engineer
Chemist
Entomologist

Biomedical Engineer
Ceramic Engineer
Chemical Engineer
Electrical/Electronic Engineer
Environmental Analyst
Fire Protection Engineer
Genetic Engineer Research Scientist
Geophysicist
Laser/Fiber Optics Engineer
Mathematician

Systems Engineer

**Engineering/
Applied Mathematics**

Aerospace Engineer
Anatomist
Anthropologist
Archaeologist
Astronomer
Biochemist
Biologist

Environmental Analyst
Forensic Scientist
Genetic Eng. Research
Geophysicist
Metallurgical Engineer
Meteorologist
Microbiologist
Nuclear Engineer
Pathologist
Physicist
Seismologist
Zoologist

TYPICAL MAJORS

Schools Specialized and College Universities

The following is a representative list of programs that are offered in public universities, independent colleges, and technical colleges in Wisconsin. Although it may not be a complete list, it should give you a clear picture of the kinds of majors available.

**For more information, see your counselor,
a science, mathematics, or technical education teacher.**

Technical College

Automotive Retailing
Auto Body repair/Paint Tech.
Aeronautics Pilot Training
Air Conditioning/Heating
Airframe Mechanic
Airframe/Powerplant Mech.
Appliance Servicing
Architectural Comm. Design
Architectural Draft/Const.
Architectural Resid. Design
Automated Mfg. Syst. Tech.
Automotive Laboratory Tech.
Automotive Technician
Automotive Technology
Avionics Technology
Bricklaying/Masonry

College/University

Industrial Mechanic
Industrial Mechanical Tech.
Industrial Model Building
Industrial Plastic Machine Op.
Industrial Screen Printer
Industrial Supervision Tech.
Industrial Welding Tech.
Instrumentation
Laser Technician
Litho Stripper
Machine Maintenance
Machine Repair
Machine Tool Operations
Machine Tooling Techniques
Manufact. Engineering Tech.
Marine Drafting

Actuarial Science
Applied Comp.Systems
Applied Mathematics
Applied Math&Physics
Applied Science
Applied Technology
Architectural Studies
Astronomy – Physics
Atmospheric Science
Bacteriology
Biochemistry
Biological Sciences
Biology
Biotechnology
Botany
Cartography

Industrial Engineer
Industrial Technology
Information/Comput.Syst.
Manufacturing Eng.
Materials Engineering
Mathematics
Mechanical Engineering
Metallurgical Engineering
Microbiology
Molecular Biology
Natural Science
Nuclear Engineering
Packaging
Paper Science
Pharmaceutical Science
Pharmacology/Toxicology

TYPICAL MAJORS continued

Cabinetmaking/Millwork
Carpentry
Chemical
Civil Eng. Tech./Hwy. Tech.
Civil Eng. Tech./Structural
Computer Integr. Mfg. Tech.

Marine Repair Technician
Maritime Construction
Material Handling Equip. Mech.
Mat. Hand./Equip. Robotics Rep.
Mat. Planning/Control Tech.
Materials Technology

Chemical Engineering
Chemistry
Chemistry Course
Chemistry Course & Education
Civil Engineering
Computer Information Systems

Physical Science
Physics
Plant Engineering
Plant Pathology
Product Development
Quality Technology

Computerized Machining Tech.
Comp. Numerical Control Mech.
Custodial Services
Diesel & Heavy Equip. Mechanic
Diesel & Power Train Servicing
Diesel Equipment Mechanic
Drafting- Architecture
Drafting – Mechanical
Electrical/Electronic Draft Design
Electrical Power Distribution
Electricity
Electronic Design Technician
Electro-Mechanical Technology
Electronic Servicing
Electronics
Electronics – Aircraft
Electronics – Computer
Electronics – Telecommunications
Electronics Systems Technician
Engine Machining Technician
Engine Technology
Environ/Pollution Control Tech.
Facility Systems Technician
Facility Maintenance Service
Flexographic Printing
Fluid Power
Fluid Power Maintenance
Hazardous Mat.Handl. Tech.
Industrial Coating Technician
Industrial Diesel Mechanic
Industrial Engineering Technician
Industrial Maintenance

Mechanical/Computer Drafting
Mechanical Design Tech.
Metal Castings
Metal Fabrication
Mtrcycle./Marine Outdoor Prod.
Natural/Propane Gas Dist.
Numerical Control Mach. Oper.
Office Equipment Repairer
Office Machine Repairer
Pkg. Systems-Equip. Maint.
Paper/Pulp Chemical Tech.
Parts specialist
Photography
Plastics Technician
Power Eng./Boiler Operator
Precision & Materials Inspection
Printing
Printing & Publishing
Public Works Technician
Quality Assurance Technician
Refrigeration Servicing
Shoe Servicing
Timber Harvesting Equip. Oper.
Tool & Die Making
Truck Driving
Truck Mechanic
Visual Commun/Comp. Graphics
Water/Wastewater Treat. Tech.
Weld Inspection
Welding
Welding Maintenance/Fabrication
Wood Techniques

Computer Science
Construction
Earth Science
Electrical Engineering
Engineering Mechanics
Engineering Science
Engineering Technology
Entomology
Genetics
Geological Engineering
Geological Services
Geology
Geology & Geophysics
Human Biology
Human Development

Statistics
Telecommunication Sys.
Zoology

RECOMMENDED COURSES

Deerfield High School

Course Considerations for Students Interested in Industrial, Scientific, and Engineering Technology.

	Grade 9	Grade 10	Grade 11	Grade 12
English Four Credits Required	English 9	English 10	English 11 or English Electives	English 12 or English electives (read course book for technical VS four year college needs)
Science Two Credits Required	Biology	General Science or Chemistry	Third year strongly recommended. Third year required for 4-year colleges; fourth year recommended.	
Math Three Credits Required	Algebra or Algebra IA or Algebra IB or Geometry	Algebra or Algebra IA or Algebra IB or Geometry or Algebra II	Algebra II or higher required for 4-year college; third year required for graduation (or Algebra II) math highly recommended.	
Social Studies Three credits required	World History	U.S. History	American Government is required in addition to another .5 elective for high school graduation. If pursuing a 4-year college degree, A.P. courses are highly recommended.	

Physical Education and Health 1 ½ Credits of P.E. required;1/2 Credit of Health required; ½ Credit of LAHS required	Physical Education	Physical Education	Complete (if needed) 1.5 credits of P.E. and ½ credit of Health and ½ credit of Life After High School	
Computer Science ½ Credit Required	Computer Applications			
Occupational Electives	Introduction to Materials Drafting	Woods Metals Manufacturing	Architectural Drafting Project Construction Consumer Auto	Independent Study in Technology
Related Electives	Business Marketing Information Processing Computer Applications Computer Programming Foreign Language Music Technology			

KEYS TO EMPLOYABILITY

Job Seeking and Getting Skills

Become aware of creative potential
 Utilize creative ability in on-the-job situations
 Prepare job applications and resumes
 Conduct career/job search
 Develop job application letters
 Demonstrate effective interviewing skills
 Display understanding of benefits and payroll procedures

Reasoning and Problem Solving

Display flexibility
 Integrate creative and innovative ideas
 Synthesize and process job components
 Adapt to changing demands of the job
 Organize work and manage time efficiently
 Reason and make objective judgments
 Understand rules and procedures
 Apply basic skills

Personal Attributes

Develop a good self-esteem and positive self-image
 Define personal and professional goals
 Demonstrate emotional stability
 Exhibit positive attitudes
 Demonstrate self-motivation and self-management
 Develop an understanding of motivation for work
 Exhibit self-confidence and self-awareness
 Display honesty in personal and work situations

Communication

Question appropriately
 Notify supervisors of absences and reasons for absences
 Seek help when needed

Demonstrate clear, effective written and oral communication skills
 Demonstrate good listening and responding techniques
 Develop telephone skills

Health and Safety Habits

Observe safety rules
 Maintain a good work pace and production rate
 Practice good personal hygiene
 Dress in a well-groomed, appropriate manner
 Recognize stress-related situations and deal with them effectively
 Develop physical stamina and tolerance for the kind of work being done
 Maintain good personal health

Technical Skills

Acquire and evaluate data, organize and maintain files, use computers to process information
 Understand how social, organizational, and technological systems work
 Monitor and correct performance
 Design and improve systems and operate effectively within them
 Select equipment and tools, apply technology to specific tasks, trouble-shoot and maintain equipment

Interpersonal Relationships

work well with peers
 supervision
 accept authority and supervision/work dependability
 effectively with supervisor
 accept constructive criticism
 when needed
 work as a team
 display a friendly and cooperative spirit
 behavior
 accept assignments pleasantly
 demonstrate tactfulness in difficult situations
 controlled manner
 become aware of and accepting of cultural thoughts, actions,
 differences
 respect the rights and property of others
 display leadership qualities
 effectively

Work Ethic

work well without
 exhibit reliability and
 accept responsibility
 work beyond normal hours
 show pride in work
 accept responsibility for own
 show initiative
 conduct self in a calm and
 demonstrate maturity in
 and deeds
 exhibit patience
 manage time efficiently and

identify varying management styles
 assertiveness
 understand self and need to accept value
 systems of others

display appropriate
 evaluate your own work

Responsibility

organize work and manage time and resources
 policies
 efficiently
 enthusiasm in the job
 exhibit accuracy, precision, and neatness in
 job
 work and work habits
 organization and its
 employees
 demonstrate ability to complete assignments in
 a timely manner
 follow oral, visual, written, and multi-step
 and strive to please
 directions
 career with the company
 display care for tools and materials
 and basic
 strive to improve job performance

seek new assignments when time permits
 understand employer expectations

Commitment

observe all organizational
 demonstrate interest and
 consider work as more than a
 exhibit loyalty to the
 display a desire to improve
 display a desire to improve
 give best effort consistently
 show concern for future
 understand the world of work
 economic concepts

ADMISSIONS REQUIREMENTS

Technical College Admission

Technical colleges have open admission policies. Some programs have waiting lists. Apply early to be admitted into your chosen program. Technical colleges expect a comprehensive high school curriculum to ensure success.

University of Wisconsin System Admission Requirements

<u>Subject</u>	<u>Credits</u>
English	4
Math	3*
Science	3*

	Social Studies	3
language)	College Prep Electives	4 (from above or foreign

*Beginning in 1995, all UW schools will require 3 credits of math and science. Consult your counselor regarding courses acceptable for admission.

UW Madison and UW Eau Claire require two years of a single foreign language.

Class Rank

Top 50% (a lower class rank may be permissible provided that the student's ACT score is high enough) at all UW schools except:

Platteville and River Falls	Top 40%
LaCrosse and Stevens Point	Top 35%
Madison, Eau Claire	No absolutes – combination of class rank, rigor of classes, and ACT scores
UW Centers	Top 75%
UW Green Bay	Top 45%

NOTE: It is expected that more universities will raise class rank requirements for 1995 and beyond.

Independent School/College/University Admission Requirements

Admission requirements are set by each institution. Interested students should consult the catalog of the institution and discuss course selections with their counselor.