

Pathways to the Future



CORRY AREA SCHOOL DISTRICT PATHWAY GUIDE

“College, Career, and Life readiness means that an individual has the knowledge and skills necessary for success in post-secondary education, economically viable career pathways, and personal effectiveness in a 21st century economy.”

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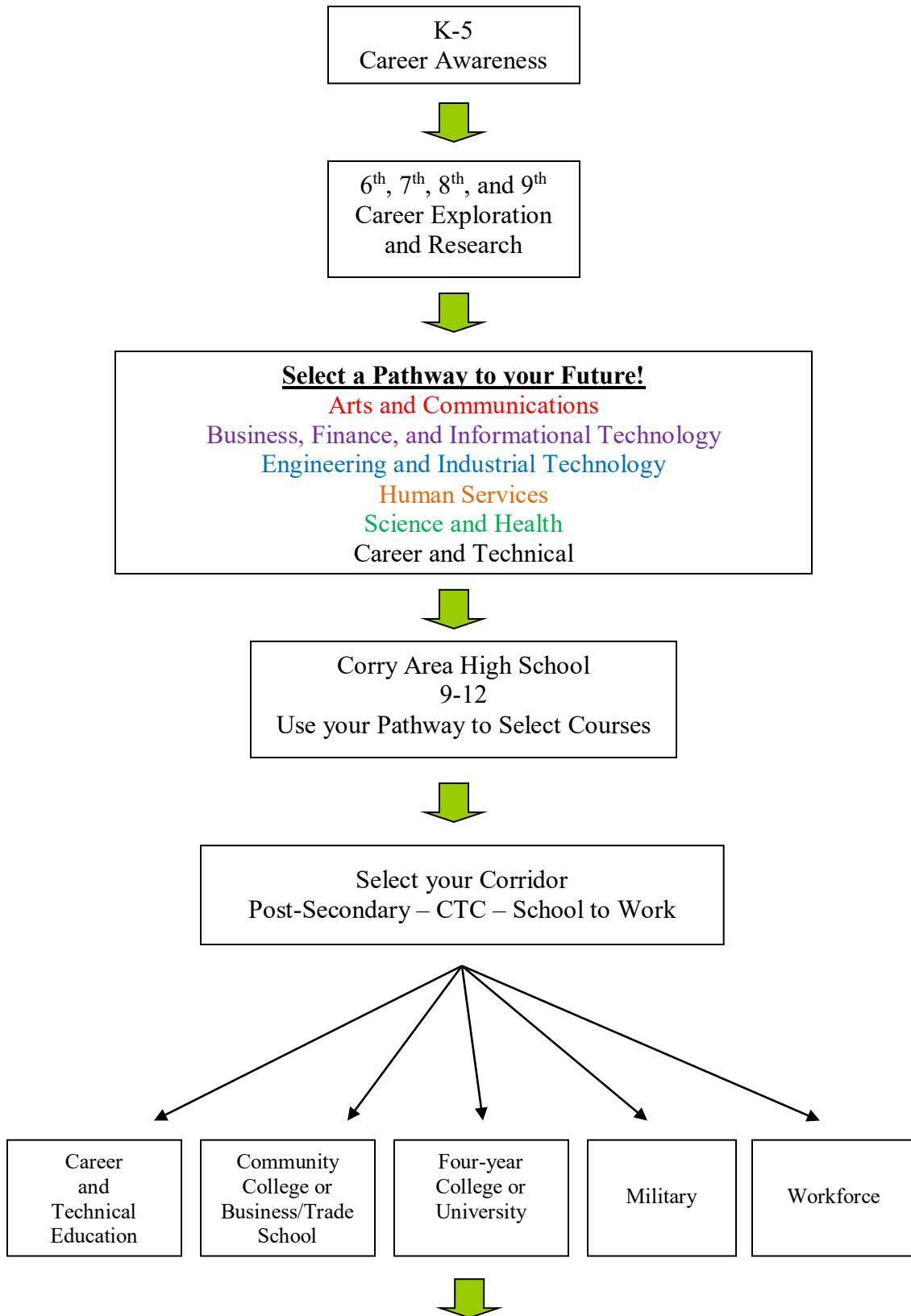
Pathways Guide

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PATHWAYS TO THE FUTURE

CORRY AREA SCHOOL DISTRICT



Successful and Satisfying Career!

What are Career Pathways?

What are career pathways?

Each pathway is a broad spectrum of careers that are grouped together because they share the same interests, skills, and aptitudes. All pathways include a spectrum of occupations that require varying levels of education and training. Choosing a career pathway allows the students an area of focus, yet allows students flexibility and variety in their course scheduling and career aspirations.

Are career pathways designed for me?

The career pathways are for all students! In choosing a career pathway, students can get prepared for the future, regardless of their interests, skills, aptitudes, or desired level of education. So take your time and look over the pathways and all they have to offer before selecting one.

What benefits do career pathways programs have for students?

- 1) Increase career awareness, exploration, and research
- 2) Improve students' understanding of the broad spectrum of occupational and educational opportunities available to them in the present and future
- 3) Help provide students with a better understanding of their interests, skills, and aptitudes
- 4) Supply a wealth of information so students make well informed decisions when creating goals and a career plan
- 5) Provide a framework to help students' select elective courses that are relevant to the career area of their interest
- 6) Provide students a direction to focus their course work, part-time employment, after school activities, and community service work
- 7) Emphasize the connection of school work to the world of work. Student grades increase when the connection is realized by students
- 8) Convey the importance and relevance of course selections to career plans
- 9) Inform and prepare students with career education prior to graduation so they can compete and succeed in our global economy

Does a particular pathway determine whether a student goes to college or not?

No, every pathway is designed with the flexibility to fit each individual student's depth of study and goals. Each pathway can accommodate courses for a student directly entering the workforce or pursuing a two- or four-year degree. Basically, the student designs his/her schedule within the pathway to help prepare the student for whatever level of interest and level of education he/she desires.

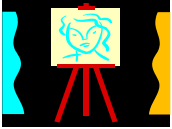
Is this career pathways program unique to our school?

Absolutely not! There are schools across the nation that are integrating career pathways into their course scheduling, curriculum, and career guidance for students. This type of program is continuing to expand across the nation due to the numerous benefits it has to offer to students, parents, and educators.

How can parents help with the career pathways program?

- 1) Parents can help their son/daughter identify interests, abilities, and talents by sitting down with them and discussing what they perceive as strengths of their son/daughter.
- 2) Parents can discuss their education and work experiences with their son/daughter.
- 3) Parents may know some adults in other occupations that may be able to provide useful information to their son/daughter by sitting down for an informal talk with them about their occupation.
- 4) Parents should continue to talk with their son/daughter about their career pathway. Students need to understand their pathway choice is not permanent. The courses and experiences they have throughout high school may change the way they think and ultimately change the career pathway they are heading towards.

Corry School District's Pathways to the Future



ARTS AND COMMUNICATIONS

This pathway is designed to cultivate students' awareness, interpretation, application and production of visual and written work.



BUSINESS, FINANCE, AND INFORMATIONAL TECHNOLOGY

This pathway is designed to prepare students for careers in business, finance, and information services.



ENGINEERING AND INDUSTRIAL TECHNOLOGY

This pathway is designed to cultivate students' interests, awareness, and application to areas related to technologies necessary to design, develop, install, and/or maintain physical systems.



HUMAN SERVICES

This pathway is designed to cultivate students' interests, skills, and experiences for employment in careers related to family and human needs.



SCIENCE AND HEALTH

This pathway is designed to cultivate students' interests in science in the life, physical, and behavioral sciences. Additionally, the pathway will also help students develop an understanding of the planning, managing, and providing of therapeutic services, diagnostic services, health information, and biochemistry research development.



CAREER AND TECHNICAL

This pathway is comprised of the eight programs available to students in the Career and Technical Center. The programs that are available are as follows: Automotive Technology, Building Maintenance Trades, Early Childhood Education, Cosmetology, Welding Technology, Machine Tool Technology, Health Care Technology, and Diversified Occupations. Students enrolled in one of these programs will have the opportunity to earn a Pennsylvania Skills Certificate in their area of study.

ARTS AND COMMUNICATIONS

This pathway is designed to cultivate students' awareness, interpretation, application and production of visual and written work.

- Concentration Areas:**
- Printing Technology and Graphic Communications Technology
 - Performing Arts
 - Audio/Video Technology and Film
 - Visual Arts
 - Journalism and Broadcasting
 - Telecommunications

BUSINESS, FINANCE, AND INFORMATIONAL TECHNOLOGY

This pathway is designed to prepare students for careers in business, finance, and information services.

- Concentration Areas:**
- Business Management & Administration
 - Finance/Accounting
 - Information Technology
 - Marketing/Sales

ENGINEERING AND INDUSTRIAL TECHNOLOGY

This pathway is designed to cultivate students' interests, awareness, and application to areas related to technologies necessary to design, develop, install, and/or maintain physical systems.

- Concentration Areas:**
- Architecture and Construction
 - Engineering and Engineering Related Technology
 - Manufacturing
 - Transportation, Distribution, and Logistics

HUMAN SERVICES

This pathway is designed to cultivate students' interests, skills, and experiences for employment in careers related to family and human needs.

- Concentration Areas:**
- Education & Training
 - Government & Public Administration
 - Hospitality & Tourism
 - Human Services
 - Law, Public Safety, Corrections, & Safety

SCIENCE AND HEALTH

This pathway is designed to cultivate students' interests in science in the life, physical, and behavioral sciences. Additionally, the pathway will also help students develop an understanding of the planning, managing, and providing of therapeutic services, diagnostic services, health information, and biochemistry research development.

- Concentration Areas:**
- Agriculture, Food, and Natural Resources
 - Health Science
 - Science, Technology, Engineering, & Math

CAREER AND TECHNICAL

This pathway is comprised of the eight programs available to students in the Career and Technical Center. The programs that are available are as follows: Automotive Technology, Building Maintenance Trades, Early Childhood Education, Cosmetology, Welding, Machine Tool Technology, Health Care Technology, and Diversified Occupations. Students enrolled in one of these programs will have the opportunity to earn a Pennsylvania Skills Certificate in their area of study.

- Concentration Areas:**
- Automotive Technology
 - Building Trades Maintenance
 - Welding Technology
 - Early Childhood Education
 - Cosmetology
 - Machine Tool Technology
 - Health Care Technology
 - Diversified Occupations

REQUIRED COURSEWORK FOR ALL PATHWAYS

This four-year plan of study should serve as a guide for your academic core requirements and electives. All plans should meet CAHS graduation requirements.

9 th		10 th		11 th		12 th	
English 9 Honors English 9 Foundational Reading Foundational Language Arts (Choose 1)		English 10 Honors English 10 College Preparatory English 10 Foundational Reading Foundational Language Arts (Choose 1)		English 11 Honors English 11 College Preparatory English 11 Foundational Language Arts (Choose 1)		English 12 College Preparatory English 12 AP English Literature and Composition Foundational Language Arts (Choose 1)	
Principles of Algebra Algebra 1 Geometry Advanced Geometry Foundational Pre-Algebra Foundational Algebra 1A (Choose 1 Track and Follow)		Algebra 1 Geometry Algebra 2 Advanced Algebra 2 Foundational Algebra 1A Foundational Algebra 1B		Geometry Algebra 2 Pre-Calculus Honors Pre-Calculus Foundational Algebra 1B		Higher Math Elective Pathway Elective	
World History Honors World History Principles of World History (Choose 1)		American Government AP US Government and Politics (Choose 1)		Honors American History American History (Choose 1)		Pathway Elective	
Intro to Biology And Introductory Physical Science Foundational Biology A		Biology 1 Advanced Biology Foundational Biology B (Choose 1)		Chemistry 1 Physics 1 Intro to Chemistry Cellular/Molecular Ecology/Principles of Technology (Choose 1)		Higher Science Elective Pathway Elective	
9 th Grade Seminar	Wellness		PE	Health	PE	PE	Pathway Elective

VARIOUS CAREER PATHWAYS WITH COURSE OF STUDY

PATHWAY: ARTS AND COMMUNICATIONS

This pathway is designed to promote an understanding of the designing, producing, performing, and writing of art, music, and multimedia content.

Are you interested in...	Can you...	Do you enjoy...
News reporting and writing Interviewing and reviewing Multi-media productions Acting Radio, TV, film, video Performing in band, chorus Attending concerts Literature History	Sing Play an instrument Be creative Act Articulate clearly Write and conduct interviews Draw or Paint Remember historical dates Navigate computer software	Making videos Working with film props Seeking creative ideas Working with sound effects Performing for an audience Working with computers Learning about history Learning about different cultures Thinking in the abstract

What exactly do Arts & Communications Majors go to school to study?

Art has a wide spectrum of different majors to study. Some art majors study the Fine Arts which involve composing, producing, or performing in different areas such as: music, dance, theatre, film, or sculpting. Other art majors may study art history, art education, or some type of administration of the arts. There are also art majors who may study the Commercial Arts (Visual Communications) which include: illustration, graphic design, photography, music videos, animation, T.V. commercials, and computer art.

Communications majors may take courses in a number of different areas such as advertising, film and video, journalism, media studies, public relations, and telecommunications. They will also take liberal arts courses if pursuing a bachelor's degree.

A list of some possible Arts & Communications Majors currently offered at the postsecondary level.

Ballet	Playwriting/Screenwriting	Creative Writing
Broadcast Journalism	Theatre/Theatre Arts	Public Relations
Computer Graphics	Industrial Design	ESL Language

A list of some possible Arts & Communications Majors currently offered at the postsecondary level con't.

Dance	Interior Design	Tech. /Business Writing
Fashion Modeling	American Sign Language (ASL)	Mass Communications
Fiber, Textile, & Weaving Arts	Bilingual and Multilingual Education	Cinematography
Graphic Design	Journalism	Printmaking
Photojournalism	Linguistics	Music

The chart below displays a number of different occupations and the appropriate level of education to obtain those occupations.

Entry (On the Job Training)	Technical/Skilled (1-3 years)	Professional (4 or more years)
Art Maintenance Worker	Actor	Advertising Creator
Audio & Video Equip. Tech.	Animator	Archivists
Copy Person	Artist	Art Director
Exhibit Constructor	Book Illustrator	Art or Music Teacher
Film Loader	Broadcast Technician	Cinematographer
Floral Designer	Camera Technician	Composer
Florist	Choreographer	Copy Writer
Model	Dancer	Curator
Newsroom Worker	Desktop Publisher	Fashion Designer
Projectionist	Disc Jockey	Film Editor
Radio Operator	Graphic Artist	Interior Designer
Sound Technician	Jeweler	Industrial Designer
Stage Hand	Make-up Artist	Museum Technicians
Stunt Performer	Musician	Music Critic
	Photographer	Music Director
	Recording Engineer	News Broadcaster
	Talent Agent	News Writer
	Video Manager Computer	Telecommunications
	Web Designer	Writer

ARTS AND COMMUNICATIONS PATHWAY COURSE OF STUDY

Suggested Electives Please Note: Before selecting any elective, be sure all prerequisites have been met.

9 th	10 th	11 th	12 th
Local History	Local History	Local History	Local History
Computer Applications	Computer Applications Advanced Computer Applications	Intro to Psychology Computer Applications Advanced Computer Applications Real Life 101	Intro to Psychology Computer Applications Advanced Computer Applications Real Life 101
Architectural Drawing 1 Graphic Communication 1	Architectural Drawing 1,2 Graphic Communication 1,2 Photography 1	Architectural Drawing 1,2 Graphic Communication 1, 2, 3 Photography 1,2	Architectural Drawing 1, 2 Graphic Communication 1, 2, 3 Photography 1, 2
Academic Teams	Academic Teams	Academic Teams Communication & Rhetoric College Composition/History without Borders History of the US to 1864/US Government and Politics	Academic Teams Communication & Rhetoric College Composition/History without Borders History of the US to 1864/US Government and Politics
Newspaper Global Media High School Band Concert or Honors Choir Music Theory Guitar Lab 1, 2 Piano Lab 1, 2 Ukulele Lab Intro to Theatre	Newspaper Global Media High School Band Concert or Honors Choir Music Theory Guitar Lab 1, 2 Piano Lab 1, 2 Ukulele Lab Intro to Theatre Advanced Theatre	Newspaper Global Media High School Band Concert or Honors Choir Music Theory Guitar Lab 1, 2 Piano Lab 1, 2 Ukulele Lab Intro to Theatre Advanced Theatre	Newspaper Global Media High School Band Concert or Honors Choir Music Theory Guitar Lab 1, 2 Piano Lab 1, 2 Ukulele Lab Intro to Theatre Advanced Theatre
Art Fundamentals	Art Fundamentals	Advanced Studio Practices Art Fundamentals Advanced Painting Advanced Media Design	Advanced Studio Practices Art Fundamentals Advanced Painting Advanced Media Design
Architectural Exploration Fiber Art	Architectural Exploration Fiber Art 2-D Design 3-D Design	Architectural Exploration Fiber Art 2-D Design 3-D Design	Architectural Exploration Fiber Art 2-D Design 3-D Design
Sewing Applications Advanced Sewing Apps Sewing Entrepreneurs	Sewing Applications Advanced Sewing Apps Sewing Entrepreneurs	Sewing Applications Advanced Sewing Apps Sewing Entrepreneurs	Sewing Applications Advanced Sewing Apps Sewing Entrepreneurs
Spanish 1, 2	Yearbook Spanish 1, 2 3	Yearbook Spanish 1, 2, 3, 4	Yearbook Spanish 1, 2, 3, 4, 5

PATHWAY: BUSINESS, FINANCE AND INFORMATION TECHNOLOGY

This pathway is designed to expose students to a number of different aspects in the world of business, information services, and finances.

Are you interested in...	Can you...	Do you enjoy...
Office management Sales Computers and Technology Presentations to groups Telecommunications Advertising Different Work Sites Insurance Record Keeping	Work easily with others Organize your time efficiently Work with statistics Use computers and technology Give attention to details Problem solve Work independently Show initiative Work on a team	Meeting with groups Creating budgets Organizing a project Planning an event Using technology Selling products and services Processing figures and numbers Following directions Learning new computer programs

What exactly do Business majors go to school to study?

Students who go on to postsecondary school for business learn specific skills that enable them to excel as a general business professional or as a specialist. Students study finances, accounting, computers, economics, and many other fundamentals of the business world to help prepare them for all types of occupations in the workforce. The number of different jobs in the business world is nearly limitless and it is changing everyday.

A list of some possible Business majors currently offered at the postsecondary level.

Actuarial Science	Economics	International Business
Accounting	Finance	Management
Advertising	Forensic Accounting	Management Information Systems
Business	Human Resources	Marketing
Communications	Industrial Management	Supply Chain and Information Systems
Real Estate	Marketing Research	Agricultural Economics
Taxation	Auditing	Financial Planning
Merchandising	Applied Economics	International Marketing

The chart below displays a number of different occupations and the appropriate level of education to obtain those occupations.

Entry (On-the-Job-Training)	Technical/Skilled (1-3 years)	Professional (4 or more years)
Accounts Payable Office Mgr.	Bank Collection Officer	Actuary
Administrative Assistant	Bookkeeper	Bank President
Bank Teller	Claims Adjuster	Budget Analyst
Brokerage Clerk	Computer Programmer	Certified Public Accountant
Cashier	Computer Salesperson	Chief Executive Officer
Computer Operator	Concierge	E-Commerce Analyst
Credit Authorizer, Checker, Clerk	Desktop Publisher	Economist
Customer Service Representative	Lodging Manager	Financial Planner
Data Entry Keyers	Medical Secretary	Hospital Administrator
Demonstrators/Product Promoters	Production Support Analyst	Human Resources Manager
Payroll Clerk	Restaurant Manager	Insurance Underwriter
Real Estate Agent	Retail Buyer	Loan Counselor
Reservation/Travel Agent	Sales Representative	Manufacturing Sales Rep.
Retail Sales Clerk	Secretary	Marketing Manager
School Secretary	Software Engineer	Operations Research Analyst
Telemarketer	Tax Preparer	Public Relations Manager
Title Searcher		Business Teacher
Word Processors & Typists		Tax Examiner

BUSINESS, FINANCE, AND INFORMATION PATHWAY COURSE OF STUDY

Suggested Electives Please Note: Before selecting any elective, be sure all prerequisites have been met.

9 th	10 th	11 th	12 th
Computer Applications Intro to Computer Science	Computer Applications Basic Programming Intro to Computer Science Advanced Computer Applications	Computer Applications Basic Programming Intro to Computer Science Advanced Computer Applications Real Life 101	Computer Applications Basic Programming Intro to Computer Science Advanced Computer Applications Real Life 101 Math Of Finance
Academic Teams	Accounting 1 Accounting 2/Automated Accounting Advanced Computer Applications Integrated Entrepreneur 1, 2 Academic Teams	Accounting 1 Accounting 2/Automated Accounting Advanced Computer Applications Integrated Entrepreneur 1, 2 Academic Teams Communications and Rhetoric	Accounting 1 Accounting 2/Automated Accounting Advanced Computer Applications Integrated Entrepreneur 1, 2 Academic Teams Communications and Rhetoric
Global Media Intro to Marketing Intro to Business	Global Media Intro to Marketing Intro to Business Small Business Opportunities Business Law	Global Media Intro to Marketing Intro to Business Small Business Opportunities Business Law	Global Media Intro to Marketing Intro to Business Small Business Opportunities Business Law
Sewing Applications Advanced Sewing Applications Sewing Entrepreneurs	Sewing Applications Advanced Sewing Applications Sewing Entrepreneurs	Sewing Applications Advanced Sewing Applications Sewing Entrepreneurs AP Statistics	Sewing Applications Advanced Sewing Applications Sewing Entrepreneurs AP Statistics Calculus AP Calculus
Spanish 1, 2	Yearbook Spanish 1, 2, 3	Yearbook Spanish 1, 2, 3, 4	Yearbook Spanish 1, 2, 3, 4, 5

PATHWAY: ENGINEERING AND INDUSTRIAL TECHNOLOGY

This pathway is designed to cultivate students' interests, awareness, and knowledge base in the numerous areas of application that are necessary to design, develop, install, and maintain physical systems.

Are you interested in...	Can you...	Do you enjoy...
Architecture and Design Building and Construction Designing new products Computer Technology Engineering How things work Math and Science Courses Making things work better Precision work Production management Solving problems	Apply Science/Math to the real world Read and understand directions Solve problems of a complex nature Understand directives and read maps Organize reports and people See a task through to completion Use a computer Use tools and equipment	Travel Working with your hands Designing/working with projects, models, and prototypes Working on a team Building with your hands Operating tools and equipment Paying close attention to detail Working on vehicles

What exactly do Engineering and Industrial Technology majors go to school to study?

Engineering majors are in high demand in the engineering and technology fields, but they are also in high demand in the agricultural, business, environmental, and medical fields. Engineering majors usually concentrate on some area of specialty, supplemented by science and math courses.

Engineering and Industrial Technology majors basically study and learn about the technology necessary to design, develop, install, and maintain mechanical, electrical, and structural systems. These majors are in a number of different concentrated areas including: engineering, manufacturing, construction, and related technologies. Due to the nature of technology, majors and curriculums are subject to change with the constant progression of technology in our global society.

A list of some possible Engineering/Industrial Technology majors offered at the postsecondary level.

Computer Forensics	Nanotechnology	Health/Safety Eng.	Automotive Body
Computer Networking	Agricultural Eng.	Industrial Eng.	Surveying Technology
Computer Programming	Motorcycle Repair	City/Urban Planning	Welding
Computer Science	Biomedical Eng.	Marine Eng.	Heavy Equip. Technology
Masonry	Chemical Eng.	Nuclear Eng.	Rubber Technology
Graphics/Multimedia	Civil Eng.	Petroleum Eng.	Electronics
Info. Systems Security	Computer Eng.	Software Eng.	Laser/Optical Technology
Construction	Electrical Eng.	Plastics Technology	Ironworking

Entry (On-the-Job-Training)	Technical/Skilled (1-3 years)	Professional (4 or more years)
Baggage Handler Carpet Installer Dockworker Drywall Installer Freight Handler Machine Operator Taxi Driver Warehouse Worker Truck Driver <u>Apprenticeships</u> Brick Mason Carpenter Diesel Mechanic Electrician HVAC Plumber Machinist Surveyor Grader & Dozer Operator	Auto Body Repair Auto Mechanic Air Traffic Controller CAD/CAM Technician Civil Engineering Technician Diesel Mechanic Dispatch Graphic Design Laser Technician Metal Engineer Technician Motorcycle Mechanic Robotics Technician Sheetmetal Technician Welder	Aeronautical Engineer Aerospace Engineer Airline Pilot Architect Astronaut Atmospheric Scientist Civil Engineer Chemical Engineer Computer Network Engineer Industrial Engineer Industrial Management Mechanical Engineer NASA Scientist Nuclear Engineer Petroleum Engineer Transportation Engineer

ENGINEERING AND INDUSTRIAL TECHNOLOGY PATHWAY COURSE OF STUDY

Suggested Electives Please Note: Before selecting any elective, be sure all prerequisites have been met.

9 th	10 th	11 th	12 th
Architectural Drawing 1,2 Drafting/CAD 1 Electronics 1 Computer Applications Intro to Computer Science Graphic Communications 1 Cabinetmaking 1 Intro to Engineering Intro to Robotics Forestry 1 STEM 1,2 Intro to Welding Intro to Building Property Maintenance Intro to Auto Technology Intro to Machining Technology Academic Teams Global Media Photography1 Spanish 1, 2	Architectural Drawing 1,2 Drafting/CAD 1, 2 Electronics 1,2 Computer Applications Basic Programming Intro to Computer Science Advanced Computer Apps Graphic Communications 1, 2 Advanced Graphic Communications Cabinetmaking 1, 2 Intro to Engineering Intro to Robotics, Advanced Robotics Forestry 1, 2 STEM 1, 2 Machine Tool Technology 1 Welding Technology 1 Building Property Maintenance 1 Auto Technology 1 Academic Teams Global Media Photography 1, 2 Yearbook Spanish 1, 2, 3	Architectural Drawing 1,2 Drafting/CAD 1, 2, 3 CAD 103 MET 110 CAD 113 Electronics 1,2 Computer Applications Basic Programming Intro to Computer Science Advanced Computer Apps Graphic Communications 1, 2, 3 Advanced Graphic Communications Cabinetmaking 1, 2, 3, 4 Intro to Engineering Intro to Robotics, Advanced Robotics Forestry 1, 2 STEM 1, 2 Machine Tool Technology 1, 2 Welding Technology 1,2 Building Property Maintenance 1,2 Auto Technology 1, 2 AP Statistics Physics 1, 2 Principles of Technology Academic Teams Global Media Photography 1, 2 Yearbook Spanish 1, 2, 3, 4	Architectural Drawing 1, 2 Drafting/CAD 1, 2, 3 CAD 103 MET 110 CAD 113 Electronics 1, 2 Computer Applications Basic Programming Intro to Computer Science Advanced Computer Apps Graphic Communications 1, 2, 3 Advanced Graphic Communications Cabinetmaking 1, 2, 3, 4 Intro to Engineering Intro to Robotics, Advanced Robotics Forestry 1, 2 STEM 1, 2 Machine Tool Technology 2, 3 Welding Technology 2, 3 Building Property Maintenance 2, 3 Auto Technology 2, 3 Calculus AP Calculus AP Statistics Physics 1, 2 Principles of Technology Academic Teams Global Media Photography 1, 2 Yearbook Spanish 1, 2, 3, 4, 5

The following courses are considered under this pathway but must be scheduled through the Career and Technical Pathway: Automotive Tech, Building Maintenance Trades Tech, Machine Tool Tech, and Welding Tech

PATHWAY: HUMAN SERVICES

This pathway is designed to cultivate students' interests, skills, and experiences for employment in careers related to family and human needs.

Are you interested in...	Can you...	Do you enjoy...
Working with people Owning your own business Helping aging adults Child Development Family and social Services Food Preparation Teaching Counseling Religion Military	Apply science and math to the real world Organize things well Plan and direct programs Be creative Communicate effectively Be in a leadership role Listen to other people's problems Use interpersonal skills Be conscientious and dependable Create budgets	Communication Services Protecting others Helping others Counseling/Advising people Serving other people's needs Interviewing people Selling products or services Handling customer complaints Searching for answers to human dilemmas

What exactly do Human Services majors go to school to study?

Human Service majors graduate with skills required to serve clients in a variety of public settings. All Human Service majors acquire a set of skills and knowledge that allow them to work effectively at any occupation they may work in. Skills and knowledge include: counseling, child development, human service administration, management, organization, oral communication, grant writing, and research. Basically, Human Service majors are trained to help people with their physical, intellectual, emotional, or spiritual needs. Students select a major based on which need(s) they wish to help other people with.

A list of some possible Human Service majors currently offered at the postsecondary level.

Child Care	Education	Law Enforcement
Cosmetology	Vocational Rehabilitation	Management
Criminal Justice	Legal Studies	Social Work
Culinary Arts	Law	Clinical Child Psychology
Hospitality/Tourism	Library Science	Mental Health Counselor
Pastoral Counseling	Developmental/Child Psych	Early Childhood Education
School Psychology	Sociology	Elementary/Secondary Education

The chart below displays a number of different occupations and appropriate level of education to obtain those occupations.

Entry (On-the-Job-Training)	Technical/Skilled (1-3 years)	Professional (4 or more years)
Aerobics Instructor	Baker	Arbitrator, Mediator, or Conciliators
Animal Control Workers	Barber	Athletic Agent
Bailiff	Bartender	Border Patrol
Child Care Worker	Chauffer	City Manager
Corrections Officer/Guard	Chef	College Professor
Cosmetics Representative	Concierge	Criminologist
Dry Cleaning Operator	Cosmetologists	Executive Chef
Fire Fighter	Crime Lab Technician	FBI Agent
Food Prep Technician	Fashion Designer	Food Services Manager
Front Desk Clerk	Fire Fighter	Forensic Chemist
Funeral Attendant	Flight Attendant	Funeral Director
Home Health Aide	Forest Fire Inspector	Hotel/Motel Management
Library Assistant	Geriatric Aide	Lawyer
Lifeguard and Ski Patrol	Manicurist	Marriage/Family Therapist
Military Jobs	Massage Therapist	Parole Officer
Postal Services Worker	Meat Cutter	Park Ranger
Restaurant Host/Hostess	Mortician	Political Scientist
Security Guard	Paralegal and Legal Assistants	Principal
Transit and Railroad Police	Personal Trainer	Psychologist
Ticket Agent	Teacher's Aide	School, Child, or Family Social Worker
Travel Agent	Truck Driver	Sociologist
Utility Worker		Teacher or Substitute Teacher

HUMAN SERVICES PATHWAY COURSE OF STUDY

This four-year plan of study should serve as a guide for your academic core requirements and electives. All plans should meet CAHS graduation requirements.

Suggested Electives Please Note: Before selecting any elective, be sure all prerequisites have been met.

9 th	10 th	11 th	12 th
Computer Applications Integrated Entrepreneur 1, 2 Nutrition and Culinary Arts Sewing Entrepreneurs Sewing Applications Adv Sewing Applications Child Development Foods Around the World 9 th Grade Exploratory CTC -Intro to Cosmetology -Intro to Early Childcare Education Spanish 1, 2	Accounting 1, 2 Computer Applications Advanced Computer Apps Small Business Opportunities Intro to Market/Sales Integrated Entrepreneur 1, 2 Nutrition and Culinary Arts Adv Culinary Tech Sewing Entrepreneurs Sewing Applications Adv Sewing Applications Child Development Foods Around the World Cosmetology 1 Early Childhood Education 1 Spanish 1, 2, 3	Accounting 1, 2 Computer Applications Advanced Computer Apps Small Business Opportunities Intro to Market/Sales Integrated Entrepreneur 1, 2 Nutrition and Culinary Arts Adv Culinary Tech Sewing Entrepreneurs Sewing Applications Adv Sewing Applications Child Development Foods Around the World Professional Cooking Criminal Justice Psychology Sociology Intro to Psychology Anatomy and Physiology Chemistry 1 College Composition/History without Borders History of the US to 1864/US Government and Politics AP Statistics Cosmetology 1, 2 Early Childhood Education 1,2 Spanish 1, 2, 3, 4	Accounting 1, 2 Computer Applications Advanced Computer Apps Small Business Opportunities Intro to Market/Sales Integrated Entrepreneur 1, 2 Nutrition and Culinary Arts Adv Culinary Tech Sewing Entrepreneurs Sewing Applications Adv Sewing Applications Child Development Foods Around the World Professional Cooking Criminal Justice Psychology Sociology Intro to Psychology Anatomy and Physiology Chemistry 1 College Composition/History without Borders History of the US to 1864/US Government and Politics AP Statistics Cosmetology 2, 3 Early Childhood Education 2, 3 Spanish 1, 2, 3, 4, 5

The following courses are considered under this pathway but must be scheduled through the Career and Technical Pathway: Early Childhood Education Level 1 and 2 and Cosmetology Level 1 and 2

PATHWAY: SCIENCE AND HEALTH

This pathway is designed to develop students' interests in science in the areas of Biology, Chemistry, Physics, and Earth/Space. Additionally, the pathway will also help students' develop an understanding of the planning, managing, and providing of therapeutic services, health information, and support services for the Health field.

Are you interested in...	Can you...	Do you enjoy...
Radiology Information Systems Conservation Sports/Fitness Health care Medicine and Science Environment Pharmaceuticals Food Production Medical Research	Use computers and technology Work with science and math equations Collect and analyze data from experiments Work in a lab or hospital Use a scientific theory to solve real world problems Work around plants and animals Pay attention to details Be patient and persistent	Thinking in diverse ways Diagnosing and caring for sick animals Creating conclusions from a database Working with numbers and equations Working on a team Science Labs in class Reading about cutting-edge research

What exactly do Science and Health majors go to school to study?

The majority of a science major's early coursework revolves around the student understanding and utilizing the scientific method of testing theories by reproducing experiments. Students work hard to enhance their critical thinking and mathematical skills as well. As students progress through school, their coursework shifts to original research and the development of new theories. Some colleges even allow some students to work directly with professors on research projects.

Health and Medical Science majors seem to follow two avenues. Some students work towards pre-professional majors that will lead to graduate/professional schools. This then leads to careers such as a dentist or various other types of doctors. The other students take courses in the medical science majors that lead to professions in areas such as nursing, diagnostics, rehabilitation, pharmaceuticals, medical assistants, and administration.

A list of some possible Science and Health majors currently offered at the postsecondary level.

Astronomy	Animal/Plant Genetics	Athletic Training	Dentistry
Biochemistry	Archeology	Audiology	Dietetics
Biomedical Sciences	Gerontology	Chiropractic	E.M.T.
Human/Medical Genetics	Marine Technology	Medical Transcription	Genetic Counseling
BioPsychology	Neuroscience	Nurse Anesthetist	Optometry
Oceanography	Optics/Optical Sciences	Nursing	Pathology

A list of some possible Science and Health majors currently offered at the postsecondary level con't.

Paleontology	Mortuary Science	Occupational Therapy	Pharmacy
Pharmacology	Food Science	Physical Therapy	Phlebotomy
Pharmacy Technician	Respiratory Care Therapy	Hematology	Veterinary Medicine
Home Health Care	Public Health	Radiological Technology	Sonography/Ultrasound

Entry (On-the-Job-Training)	Technical/Skilled (1-3 years)	Professional (4 or more years)
Animal Caretaker	Certified Nursing Assistant	Agronomist
Breeder	Dental Lab Technician	Astronomer
Data Entry	Dental Hygienist	Athletic Trainer
Dialysis Technician	Diagnostic Medical Sonographer	Chemist
EEG Technician	EEG Technician	Chiropractor
Extension Service Worker	Emergency Medical Tech	Dietician
Farm Manager	Fish & Game Worker	Geneticist
Food Conservation Worker	Forest Conservationist	Geographer
Groundskeeper	GPS Technician	Geologist
Hazardous Waste Technician	Licensed Practical Nurse	Marine Biologist
Home Health Aide	Medical Lab Technician	Medical Examiner
Hospital Worker	Nanotechnician	Nutritionist
Nursery Worker	Optician	Occupational Therapist
Patient Care Technician	Pharmacy Assistant	Oceanographer
Physical Therapy Aide	Personal Trainer	Pharmacist
Wildlife Reserve Worker	Radiological Technician	Physician
Zoo Caretaker	Respiratory Therapist	Podiatrist
	Sound Engineer	Registered Nurse
	Veterinary Technician	Soil Conservationist
		Statistician
		Toxicologist
		Zoologist

SCIENCE AND HEALTH PATHWAY COURSE OF STUDY

This four-year plan of study should serve as a guide for your academic core requirements and electives. All plans should meet CAHS graduation requirements.

Suggested Electives Please Note: Before selecting any elective, be sure all prerequisites have been met.

9th	10 th	11 th	12 th
Computer Applications	Computer Applications	Computer Applications	Computer Applications
Child Development	Advanced Computer Applications	Advanced Computer Applications	Advanced Computer Applications
Intro to Robotics	Child Development	Child Development	Child Development
	Intro to Robotics	Intro to Robotics	Intro to Robotics
	Advanced Robotics	Advanced Robotics	Advanced Robotics
Electronics	Electronics	Electronics	Electronics
Forestry 1	Forestry 1, 2	Forestry 1, 2	Forestry 1, 2
STEM 1	STEM 1, 2	STEM 1, 2	STEM 1, 2
		AP Statistics	AP Statistics
			Calculus
			AP Calculus
9 th Grade Exploratory CTC			
-Intro to Healthcare Technology	Healthcare Technology 1	Healthcare Technology 1, 2	Healthcare Technology 2, 3
		Principles of Technology	Principles of Technology
		Intro to Chemistry	Intro to Chemistry
		Chemistry 1, 2	Chemistry 1, 2
		Biology 2	Biology 2
		AP Chemistry	AP Chemistry
		Ecology	Ecology
		Cellular/Molecular Biology	Cellular/Molecular Biology
		Anatomy and Physiology	Anatomy and Physiology
		Physics 1, 2	Physics 1, 2
		World of Healthcare	World of Healthcare
		Personal Fitness	Personal Fitness
Spanish 1, 2	Spanish 1, 2, 3	Spanish 1, 2, 3, 4	Spanish 1, 2, 3, 4, 5

The following course is considered under this pathway but must be scheduled through the Career and Technical Pathway: Health Care Tech Level 1 and 2



Myths and the Real Facts about Career and Education Planning

Students often get confused about fact and fiction when it comes to career and educational planning. The following are some of the myths students should consider when exploring careers for their future.

Myth 1: There is only one job that is right for me.

No individual is one-dimensional. The reality is there are a number of different occupations available in the workforce that are “right” for each individual. Every individual has different sets of interests, skills, and aptitudes that can be applied to multiple occupations. That’s a good thing, because individuals entering the workforce can expect to change occupations at least five to six times during their adult career.

Myth 2: There is a particular set of job responsibilities for every occupation.

The reality is that people may have the same exact job title but their job responsibilities may be very different. The variations in job duties are perpetuated by each individual’s interests and skills, as well as the needs of the employers.

Myth 3: Attaining good grades in high school guarantees acceptance into a good college or university.

A good transcript certainly will help contribute to a student’s admission into a good postsecondary school, but it does not guarantee anything. Colleges or universities admission representatives take a number of factors into consideration before making a decision on a student’s status. Standardized tests, letters of recommendation, essays, and interviews also play a large role in the admission representative’s decision.

Myth 4: A bachelor’s degree (4-years) guarantees a good paying job.

When an individual is dealing with the labor market, nothing is guaranteed! Many of the current jobs available require skills that can be obtained by attending a community college or technical school. There are many graduates from 2 and 4-year schools who are working in occupations for which they are actually overqualified. Individuals must also face the reality that they must go where the jobs are located to utilize their degrees and experience.

Myth 5: Community colleges and technical schools are reserved for individuals that can’t afford or are not intelligent enough to attend a university/college.

Many students who attend community colleges/technical schools are simply looking for a two-year degree that will train them to compete for occupations in their area of interest. Many of these individuals don’t want to spend time and money taking courses that are not required for the field of work in which they want to be employed.

The idea that community college/technical students aren’t intelligent enough to gain admission to a college or university simply is not true. Some high school graduates and adults use the community college as a stepping stone towards gaining admission to a college but also use it as a career exploration tool by taking courses in different fields of interest before investing a large amount of time and money into furthering their education

Skills and Character Traits Most Desired by an Employer

Skills

- **Analyzing/Researching Skills**
- **Being Flexible and Making Adjustments**
- **Communicating Skills: Listening, Speaking, Writing**
- **Being Computer and Technologically Literate**
- **Being Creative**
- **Showing Leadership Ability**
- **Multi-Cultural Awareness**
- **Organizational Skills**
- **Able to Problem-Solve**
- **Ability to work and get along with others on a team**

Character Traits

- **Being Dedicated**
- **Being Dependable**
- **Acting with Integrity**
- **Using Energy and Passion**
- **Being Self-Motivated**
- **Acting Confident**
- **Using a Positive Attitude**
- **Acting Professional**
- **Being Responsible**
- **Applying Work Ethic**
- **Being Open to Learning**



Most individuals have these skills and traits to some degree. As you read the lists, identify the skills or traits on the list that closely correlate with your strengths. You can use these strengths to improve your resume or talk more introspectively with an employer about your skills and traits.

Additionally, read the lists and identify those skills or traits in which you perceive a weakness in yourself. Individuals may read and research, participate in training or seek a mentor to improve in areas where there are deficiencies.

For more information about career pathways and resources, please see your school counselor in the guidance office.

FASTEST GROWING OCCUPATIONS 2019-2029

OCCUPATION	GROWTH RATE, 2019-29	2019 MEDIAN PAY
<u>Wind turbine service technicians</u>	61%	\$52,910 per year
<u>Nurse practitioners</u>	31%	\$109,820 per year
<u>Solar photovoltaic installers</u>	51%	\$44,890 per year
<u>Occupational therapy assistants</u>	35%	\$61,510 per year
<u>Statisticians</u>	35%	\$91,160 per year
<u>Home health and personal care aides</u>	34%	\$25,280 per year
<u>Physical therapist assistants</u>	33%	\$58,790 per year
<u>Medical and health services managers</u>	32%	\$100,980 per year
<u>Physician assistants</u>	31%	\$112,260 per year
<u>Information security analysts</u>	31%	\$99,730 per year
<u>Data scientists and mathematical science occupations, all other</u>	31%	\$94,280 per year
<u>Derrick operators, oil and gas</u>	31%	\$46,990 per year
<u>Rotary drill operators, oil and gas</u>	27%	\$54,980 per year
<u>Roustabouts, oil and gas</u>	25%	\$38,910 per year
<u>Speech-language pathologists</u>	25%	\$79,120 per year
<u>Operations research analysts</u>	25%	\$84,810 per year
<u>Substance abuse, behavioral disorder, and mental health counselors</u>	25%	\$46,240 per year
<u>Forest fire inspectors and prevention specialists</u>	24%	\$45,270 per year
<u>Cooks, restaurant</u>	23%	\$27,790 per year
<u>Animal caretakers</u>	23%	\$24,780 per year

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