


Career Clusters

La Joya ISD

La Joya High School, Palmview High School & Juarez-Lincoln High School

	<p>*** Not currently offered</p> 
	
	
	
	
	
<p>*** Not currently offered</p> 	
	

The Career Clusters icons are being used with permission of the: States' Career Clusters Initiative, 2008, www.careerclusters.org



DISCLAIMER

This CTE brochure provides counselors a general guideline to use when enrolling students into a CTE coherence sequence of courses for a particular pathway. It contains information on all pathways available to students in La Joya ISD; however, due to the many changes CTE is undergoing for the 2010-2011 school year, it is recommended that counselors always check the TEA website for the most current CTE information. Additionally, the La Joya ISD cannot guarantee that all sequence of courses will be available at all high schools and they may vary. Some courses require approval by the Texas Education Agency before they can be offered. Other courses may not get sufficient student requests to assure that the course will be offered. Finally, some courses may require unique skills and training on the part of the teacher and sometimes the school is not able to provide a teacher who is prepared to teach a unique course. Nevertheless, our school district is committed to make every effort to provide the courses needed for the success of our students.

Agriculture, Food, and Natural Resources Cluster

The Agricultural, Food, and Natural Resource Career Cluster is for those who are concerned with the natural sciences and the environment. Those following this career path work primarily with living things and are concerned with improving the quality of life for all. Agriculture and the preservation of natural resources must continue to sustain Texas and the nation.

If you answer "yes" to most of these questions, this path may have a career for you!

INTERESTS and ABILITIES:

Would you like to work outdoors?

Do you like working with your hands?

Are you concerned about the environment?

Are you concerned about the plants and animals around you?

Would you like a job which involves laboratory experiments and field testing?

CAREER OPTIONS

BEGINNING CAREERS

On-the-Job training and/or minimal experience

Animal Groomer	Greenhouse Keeper
Zoo Keeper	Florist's Assistant
Plant Nursery Assistant	Groundskeeper
Farm or Ranch Employee	Carpenter
Welder's Helper	Lab Assistant
Veterinary Attendant	

SEMI-PROFESSIONAL CAREERS

Community college, technical school,

Apprenticeship experience

Diesel Mechanics	Livestock Inspector
Meat Cutter/Processor	Farmer or Rancher
Lab Technician	Surveyor
Hunting Guide	Landscape/Turf Mang.
Environmental Technician	Weather Observer
Horse Trainer	Welder
Floriculturist	Meat Inspector
Greenhouse Manager	Veterinary Assistant

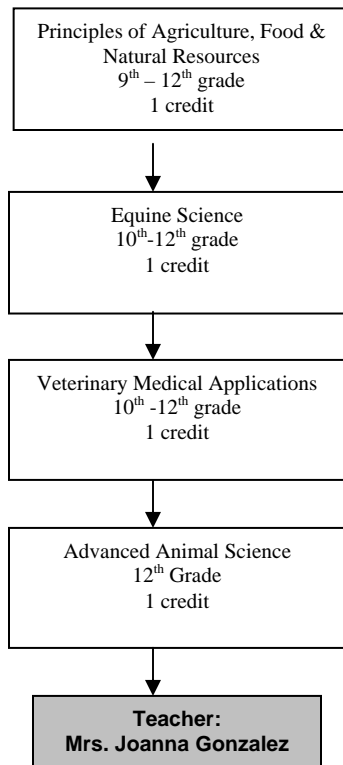
PROFESSIONAL CAREERS

Colleges/Universities

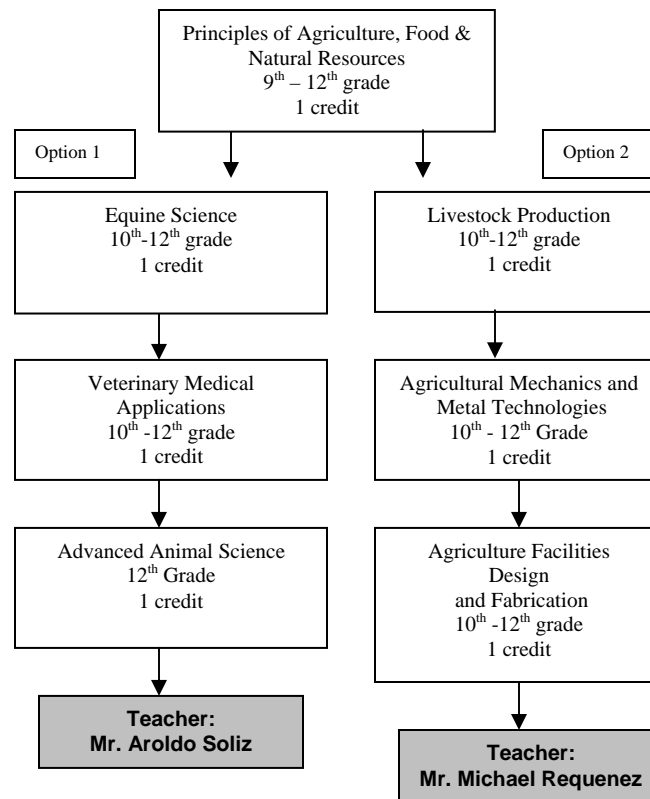
Veterinarian	Oceanographer
Molecular Biologist	Landscape Architect
Horticulturist	Agricultural
Park Ranger	Biologist
Mechanical Engineer	Marine Biologist
Teacher	Engineer
Geologist	Microbiologist
Urban Planner	Biochemist

Agriculture, Food, and Natural Resources Course Sequence

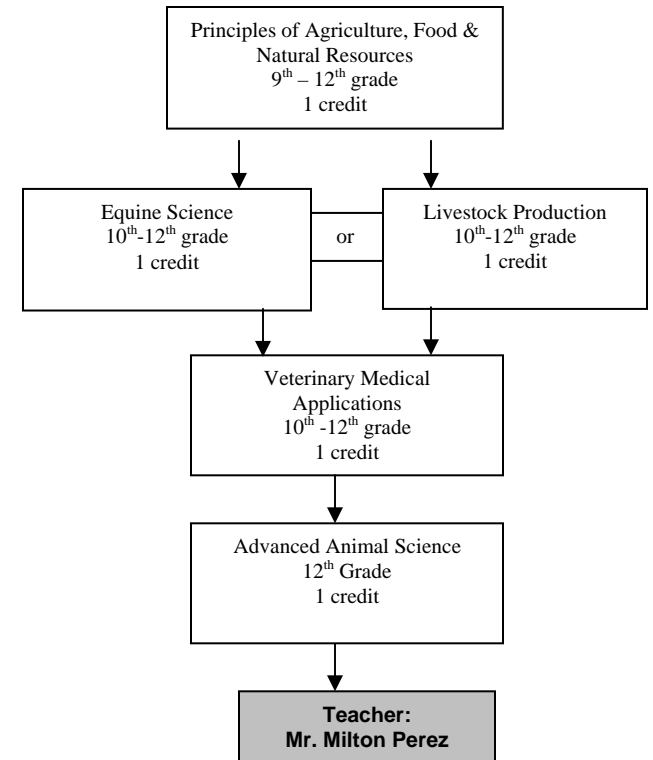
La Joya High School



Palmview High School



Juarez-Lincoln High School



Architecture and Construction Cluster

Architecture and Construction Career Cluster involves working primarily with machines, tools, and materials such as wood, metal, or plastic. This path is for persons interested in building and designing things with tools and technology, and/or decorate homes and offices with flooring, paint, furniture, and art.

If you answer "yes" to most of these questions, this path may have a career for you!

INTEREST and ABILITIES:

Do you like to work with your hands?

Do you like science and math?

Do you like to fix or repair things?

Do you like to design and create new things?

Do you like detailed work?

CAREER OPTIONS

BEGINNING CAREERS

On-the-Job training and/or minimal experience

Welder's Helper/Cutter	Assembly Line Worker
AC/Heating Apprentice:	Plastic Technician
Plumber	Electrician
Construction Apprentice	Telephone Installer
Auto Body Repairer	Mason
Machine Operator	Painter
Computer Operator	

SEMI-PROFESSIONAL CAREERS

Community college, technical school, apprenticeship experience

Auto/Diesel Mechanic	Machinist
Surveyor	Supervisory Personnel
Computer Aided Drafter	Electrician
Electronics Technician	Computer Technician
Pilot	Heating and Air Cond. Technician
Welder	Construction Superintendent

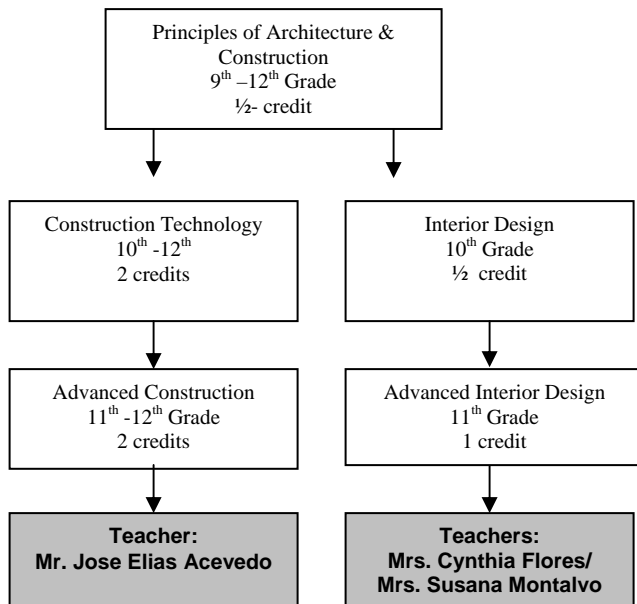
PROFESSIONAL CAREERS

Colleges/Universities

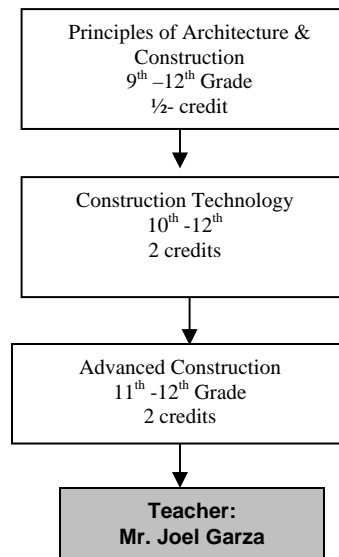
Physicist	Senior Drafter
Computer Programmer	Geologist
Environmentalist	Chemist
Construction Engineer	Architect
Electrical Engineer	Civil Engineer
Mechanical Engineering	

Architecture and Construction Course Sequence

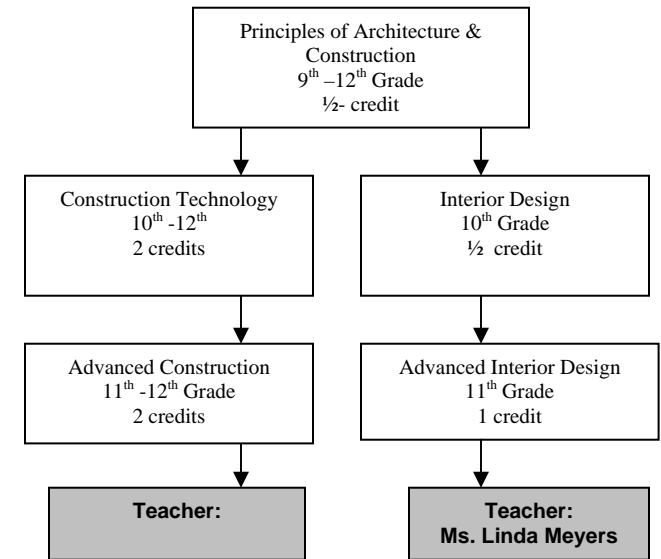
La Joya High School



Palmview High School



Juarez-Lincoln High School



Arts, A/V and Communication Cluster

The Arts, Communications and Media Technology Career Cluster offers many varied opportunities for individuals with a wide range of interest and abilities. These careers allow an individual to use his/her talents in performing, communicating, writing and/or creating visually. People who enter this field may work alone and must be self-motivated. At other times they work in groups or perform together.

If you answer "yes" to most of these questions, this path may have a career for you!

INTERESTS and ABILITIES:

Do you like to compose original work?

Do you like to entertain others?

Do you have artistic abilities?

Do you like to create things with your hands?

Do you like working with other people?

CAREER OPTIONS

BEGINNING CAREERS

On-the-Job training and/or minimal experience

Dancer	Performing Artist
Painter	Darkroom Technician
Stage Worker	Model
Cartoonist	Photographer
Image Converter	Recording Technician
Lab Technician	Repairmen
Musical Instrument	Newsroom Clerk

SEMI-PROFESSIONAL CAREERS

Community college, technical school, Apprenticeship experience

Landscape Artist	Image Assembler
Photographer	Illustrator
Musician	Radio/TV Announcer
Singer	Reporter
Costume Designer	Teacher Assistant
Camera Operator	Special Effects Worker
Researcher	

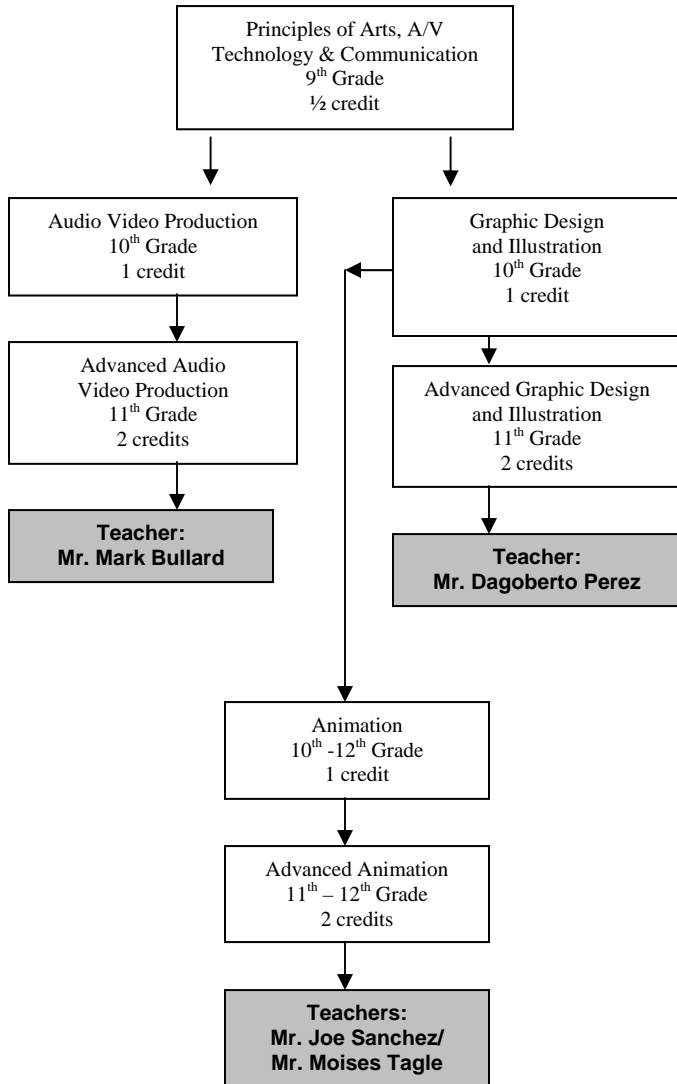
PROFESSIONAL CAREERS

Colleges/Universities

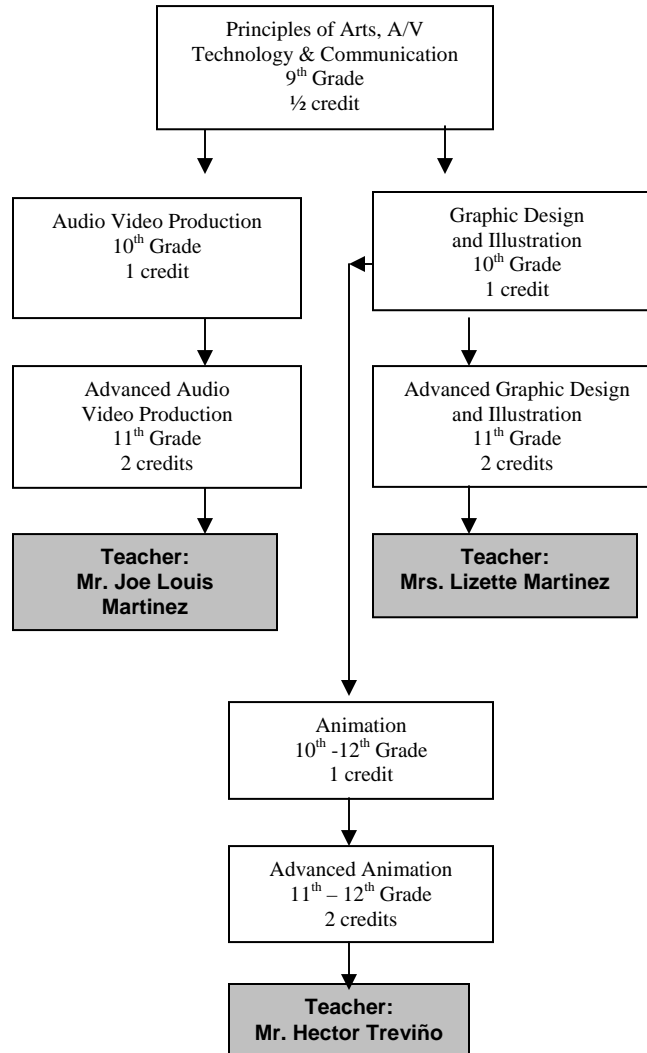
Architect	TV/Movie Director
Writer	Music Teacher
Artist	Designer
Commercial Artist	Publisher
Animator	Teacher

Arts, A/V and Communication Course Sequence

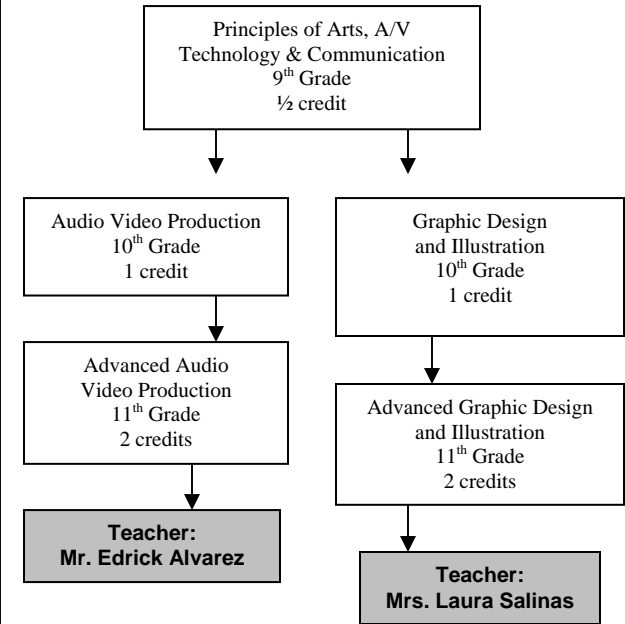
La Joya High School



Palmview High School



Juarez-Lincoln High School



Business Management & Administration Cluster

Business, Management and Administration Career Cluster includes financial and organizational activities. Some may involve positions of high responsibility in the organization, administration and efficient functioning of businesses. Business Careers may involve sales and promotion as well as clerical and secretarial skills. The business and marketing field requires the ability to work well with all kinds of people, to keep accurate records and to use math skills in dealing with money.

If you answer "yes" to most of these questions, this path may have a career for you!

INTEREST and ABILITIES:

Do you like to keep records of things you do?

Do you like to work with math?

Do you like working with people?

Do you like working with office equipment?

Are you accurate in the work you do?

CAREER OPTIONS

BEGINNING CAREERS

On-the-Job training and/or minimal experience

Accounting Assistant	Credit Clerk
General Office Clerk	Receptionist
Telephone Operator	Sales Clerk
Bank Teller	Bookkeeping Clerk
Data Entry Clerk	Insurance Clerk

SEMI-PROFESSIONAL CAREERS

Community college, technical school, Apprenticeship experience

Accounting Clerk	Insurance Underwriter
Secretary	Real Estate Agent
Court Reporter	Store Manager
Post office Clerk	Paralegal
Bookkeeper	Computer Technician

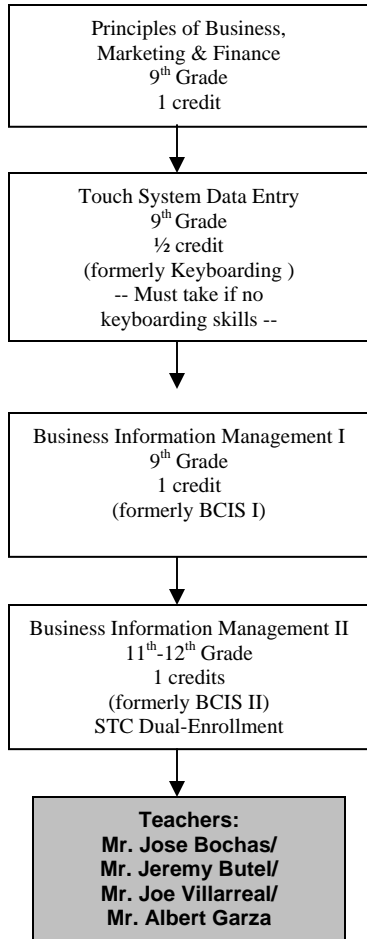
PROFESSIONAL CAREERS

Colleges/Universities

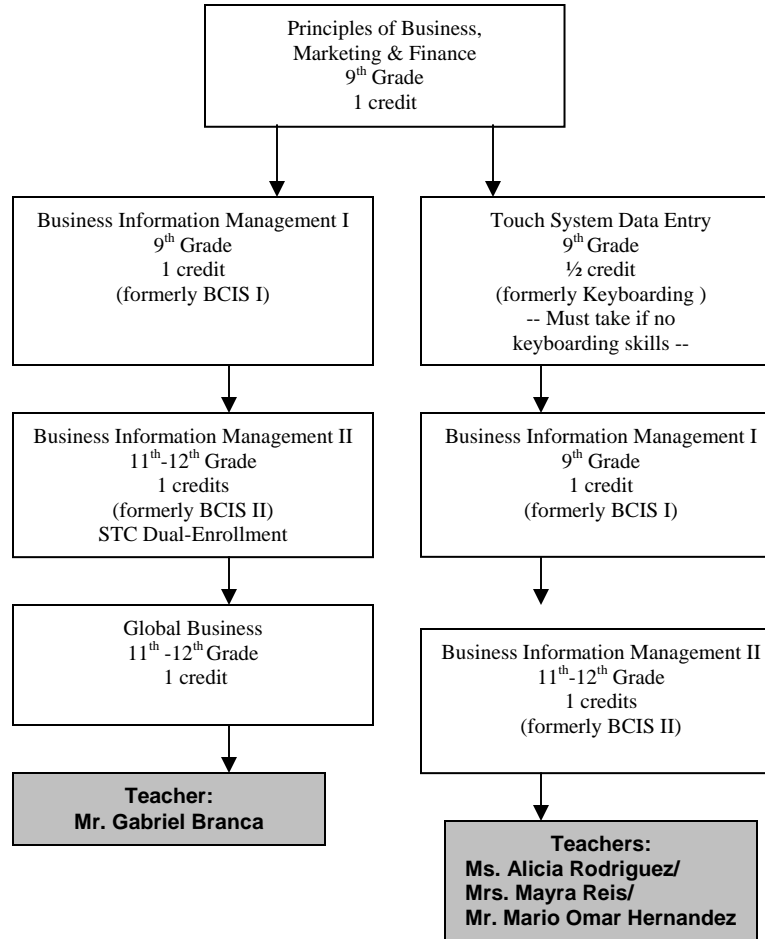
Accountant	Hospital Administrator
Bank Manager	Business Manager
Computer Programmer	Economist
Human Services	Business Teacher
Accounting Programmer	System Analyst
Market Research	Insurance Broker
Auditor	

Business Management & Administration Course Sequence

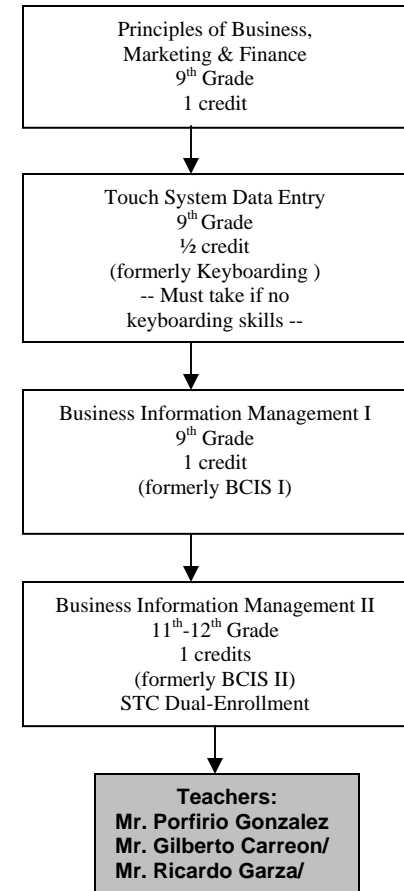
La Joya High School



Palmview High School



Juarez-Lincoln High School



Education and Training Cluster

TEACHING, THEY SAY, IS THE PROFESSION THAT MAKES ALL OTHER PROFESSIONS POSSIBLE.

The people who work in EDUCATION AND TRAINING instill the knowledge and skills everyone from preschoolers to adult learners need in order to succeed. These caring, capable, and committed professionals help prepare their students for the many rewards and challenges that personal, professional, and civic life brings. If you yearn to learn, feel a calling to teach, or would like to work in a favorite subject area, then this Career Cluster is right for you.

Is Education and Training the right cluster for you?

If you answer "yes" to most of these questions, this cluster may have a career for you!

INTEREST and ABILITIES:

Do you enjoy school?

Do you have a favorite subject that you want to make your career?

Do you like to help people with their problems?

Are you good at playing with and engaging young children?

Are you optimistic, caring, and confident?

CAREER OPTIONS

BEGINNING CAREERS

On-the-Job training and/or minimal experience

Child Care Worker
Teacher aide

Childcare Attendant

SEMI-PROFESSIONAL CAREERS

Community college, technical school apprenticeship experience

Substitute Teacher
Child Care Manager
Teacher Assistant

PROFESSIONAL CAREERS

Colleges/ Universities

Teacher	Director
Counselor	Librarian
Professor	Instructor
Administrator	Agent

Education and Training Course Sequence

La Joya High School

Principles of Education & Training
9th – 12th Grade
1 credit



Human Growth & Development
10th – 12th Grade
1 credit



Instructional Practice in
Education & Training
11th – 12th Grade
1 credit



Practicum in
Education & Training
12th Grade
2 credits



Teacher:
Mrs. Cynthia Flores

Palmview High School

Principles of Education & Training
9th – 12th Grade
1 credit



Human Growth & Development
10th – 12th Grade
1 credit



Instructional Practice in
Education & Training
11th – 12th Grade
1 credit



Practicum in
Education & Training
12th Grade
2 credits



Teacher:
Ms. Imelda Saenz

Juarez-Lincoln High School

Currently there is no teacher
available to teach these courses

Finance Cluster

Finance Career Cluster includes financial and organizational activities. Some may involve positions of high responsibility in the organization, administration and efficient functioning of businesses. Finance careers may involve managing investments and making loans, pay for storm damage, sell bonds and stocks, and managing ATM's among others. If you are good at numbers, want to play the stock market, or enjoy working with the public, then Finance could be the right career for you.

If you answer "yes" to most of these questions, this path may have a career for you!

INTEREST and ABILITIES:

Do you like to keep records of things you do?

Do you like to work with math?

Do you like working with people?

Do you like working with office equipment?

Are you accurate in the work you do?

CAREER OPTIONS

BEGINNING CAREERS

On-the-Job training and/or minimal experience

Accounting Assistant	Credit Clerk
General Office Clerk	Receptionist
Telephone Operator	Sales Clerk
Bank Teller	Bookkeeping Clerk
Data Entry Clerk	Insurance Clerk

SEMI-PROFESSIONAL CAREERS

Community college, technical school, Apprenticeship experience

Accounting Clerk	Insurance Underwriter
Secretary	Real Estate Agent
Court Reporter	Store Manager
Post office Clerk	Paralegal
Bookkeeper	Computer Technician

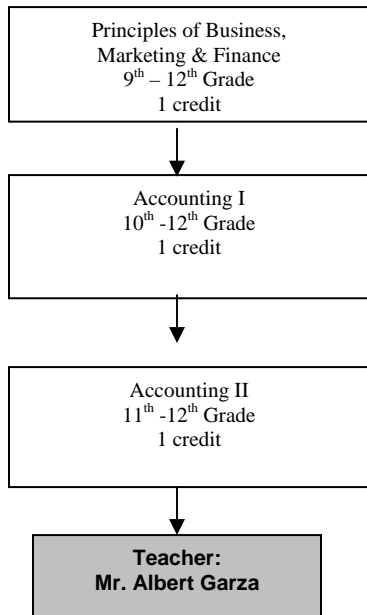
PROFESSIONAL CAREERS

Colleges/Universities

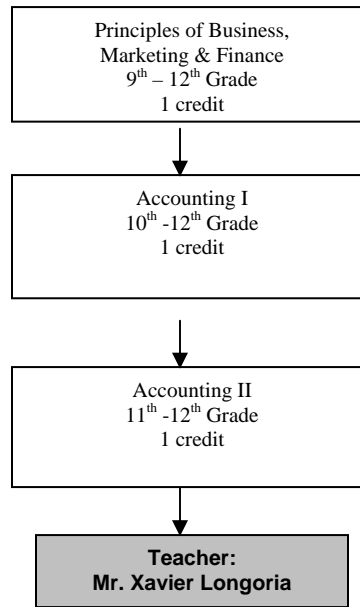
Accountant	Hospital Administrator
Bank Manager	Business Manager
Computer Programmer	Economist
Human Services	Business Teacher
Accounting Programmer	System Analyst
Market Research	Insurance Broker
Auditor	

Finance Course Sequence

La Joya High School



Palmview High School



Juarez-Lincoln High School

Currently there is no teacher available to teach these courses

Health Science Cluster

Health Science Career Cluster involves helping others. These careers include positions of high responsibility in caring for the personal needs and well-being of others. People who enter the health sciences field make important decisions using their own judgments. They also work with ideas and concepts that make advances possible in the quality of life.

If you answer "yes" to most of these questions, this path may have a career for you!

INTEREST and ABILITIES:

Do you like to help others?

Do you like science?

Do you like to do research?

Are you accurate and precise in things you do?

Do you like to learn about new things?

CAREER OPTIONS

BEGINNING CAREERS

On-the-Job training and/or minimal experience

Medical Receptionist	Ward Clerk
Veterinary Assistant	Nurse's Aide
Pharmacy Technician	Laboratory
Lab Assistant	Home Health Aide

SEMI-PROFESSIONAL CAREERS

Community college, technical school, apprenticeship experience

Licensed Vocational Nurse	Dental Hygienist
Respiratory Therapist	Surgical Technologist
Medical Records Technician	Medical Assistant
Emergency Medical Technician	Radiological Technician
Dental Lab Technician	Veterinary Technician
EKG Technician	

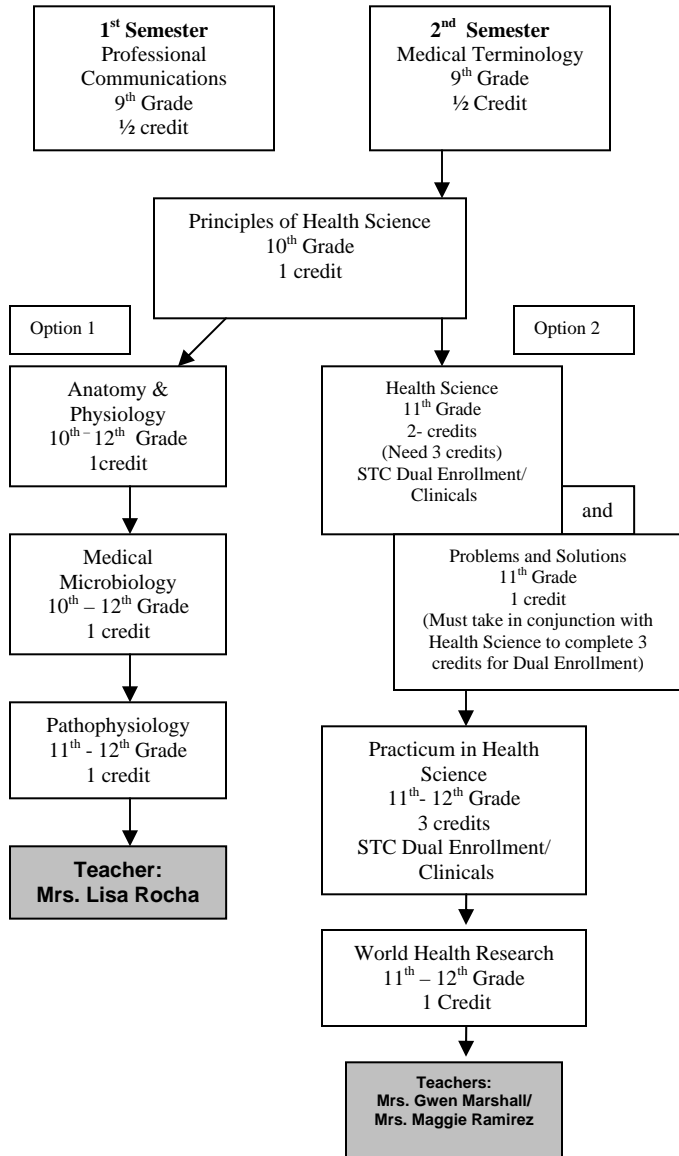
PROFESSIONAL CAREERS

Colleges/Universities

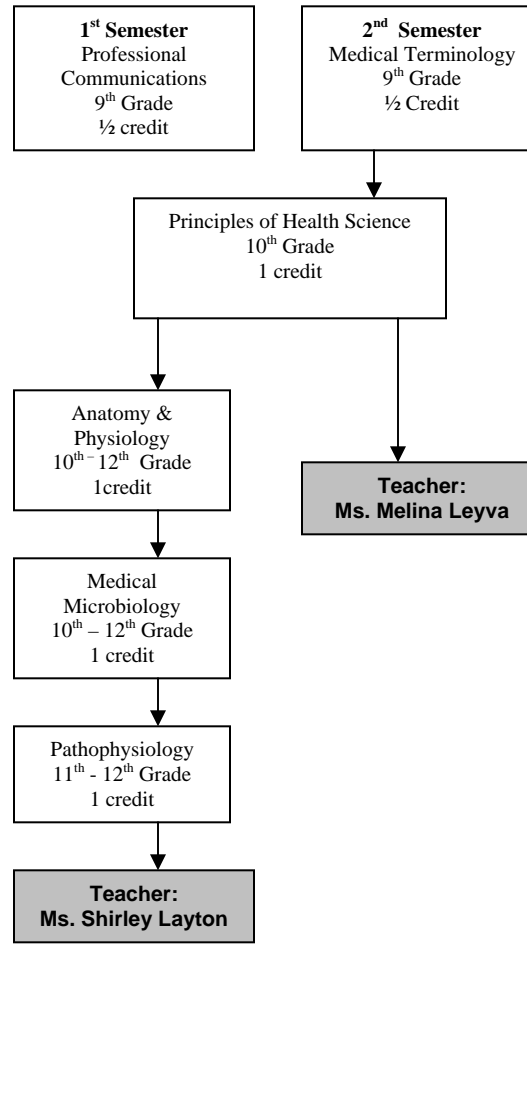
Physician's Assistant	Veterinarian
Registered Nurse	Dietician/Nutritionist
Physician	Dentist
Chiropractor	Podiatrist
Physical Therapist	Cardiologist
Optometrist	Respiratory Therapist
Orthodontist	Speech Pathologist
Pediatrician	Surgeon

Health Science Course Sequence

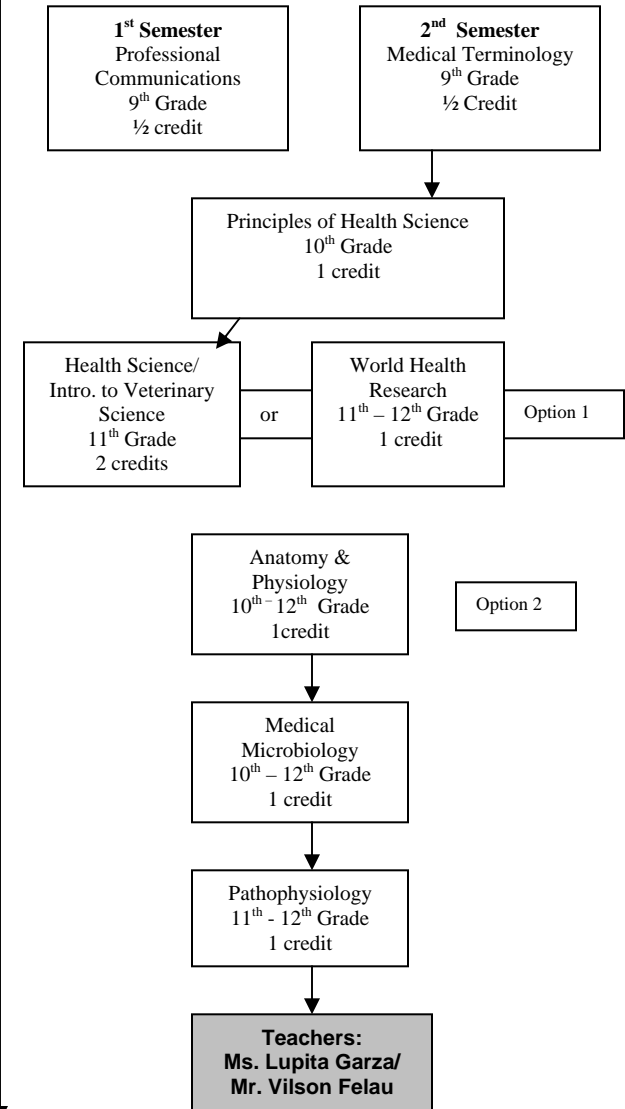
La Joya High School



Palmview High School



Juarez-Lincoln High School



Human Services Cluster

CAREER OPTIONS

Human Services Career Cluster involves working with people. This pathway includes education and related services, social and government services and personal and protective services. Human Service careers is the largest and most varied occupational area within our economy. For example, one can enter any one of these fields with minimum training (restaurant hostess, cook or lifeguard) or with one or more advanced degrees (physician, child psychologist or teacher/coach). This career path requires knowledge and skills that are used by all people in their daily lives. Courses in this path will enhance your personal well-being, will give you the satisfaction of having helped others and can lead to an occupation that will always be in demand.

INTERESTS and ABILITIES:

If you answer "yes" to most of these questions, this path may have a career for you!

Do you like working with people?

Do you like to plan and participate in activities?

Can you make decisions quickly and fairly?

Do you like physical work?

Do you like helping and pleasing others?

BEGINNING CAREERS

On-the-Job training and/or minimal experience

Teacher aide	Cook
Waiter/waitress	Childcare Attendant
Athlete	Security Ward
Child Care Worker	

SEMI-PROFESSIONAL CAREERS

Community college, technical school, apprenticeship experience

Cosmetologist	Fire Fighter
Paralegal	Police Officer
Barber	Chef
Floral Designer	Substitute Teacher
Child Care Manager	

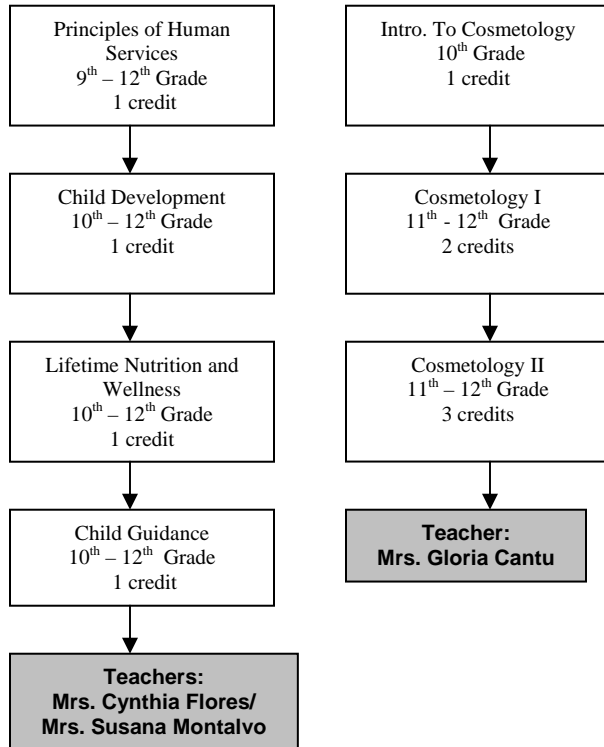
PROFESSIONAL CAREERS

Colleges/ Universities

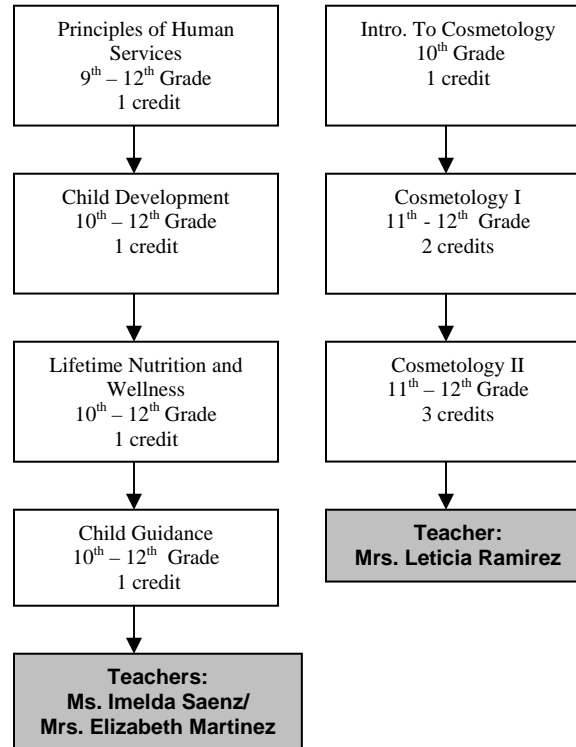
FBI Agent	Teacher
Counselor	Social Worker
Physical Therapist	Lawyer
Dietician/Nutritionist	Librarian
Occupational Therapist	Diagnostician
Social/Recreation Director	Judge
Fashion Illustrator	Administrator
Probation Officer	Forensic Scientist

Human Services Course Sequence

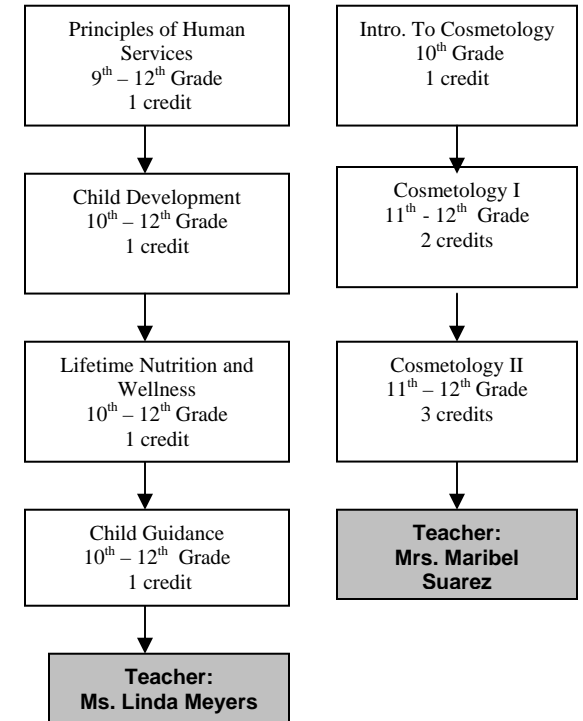
La Joya High School



Palmview High School



Juarez-Lincoln High School



Information Technology Cluster

Information Technology Career Cluster includes working with development companies, which create games for computers, home consoles, the internet and mobile phones. Every business in Texas needs an IT expertise. Keeping electronic data flowing takes both technical support and problem-solving savvy. If you are good at gasping how technology works, have an idea for a new website or computer game, or want a career that is always changing, then Information Technology may be the right cluster for you.

If you answer “yes” to most of these questions, this path may have a career for you!

INTEREST and ABILITIES:

Do you like to keep things in order and organized?

Are you good at math?

Do you like working with computers?

Do you enjoy video games?

Do you like solving puzzles and brainteasers?

CAREER OPTIONS

BEGINNING CAREERS

On-the-Job training and/or minimal experience

Security System Installer Fire Alarm Installer
Software Installer Electronics Repairer

SEMI-PROFESSIONAL CAREERS

Community college, technical school, Apprenticeship experience

Computer System Analyst Graphic Designer
Computer Technician System Analyst
Software Consultant Animation Specialist
Multimedia Specialist Desktop Publisher

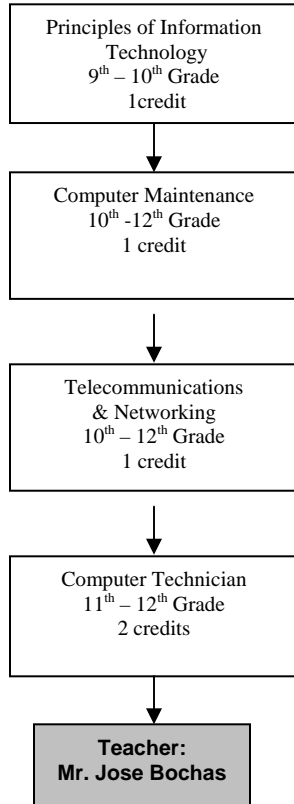
PROFESSIONAL CAREERS

Colleges/Universities

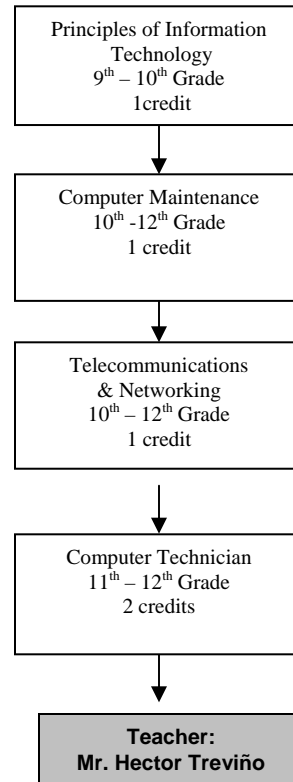
Electrical Engineer Website Administrator
Business Manager Computer Hardware Engineer
Computer Programmer Computer and Information Scientist
Computer Science Teacher

Information Technology Course Sequence

La Joya High School



Palmview High School



Juarez-Lincoln High School

Currently there is no teacher available to teach these courses

Law, Public Safety, Corrections, and Security Cluster

Law, Public Safety, Corrections and Security Career Cluster includes working to protect and serve the public. As homeland security has become more and more of a concern, demand for people to protect sites such as skyscrapers, and seaports, airports, nuclear power plants and military bases has skyrocketed. If you have a calling to serve others, can keep a cool head under pressure, and love law, then a career in Law, Public Safety, Corrections and Security could be the right one for you.

INTERESTS and ABILITIES:

If you answer "yes" to most of these questions, this path may have a career for you!

Do you like working with people?

Do you keep your cool in stressful and dangerous situations?

Can you make decisions quickly and fairly?

Do you like physical work?

Do you watch TV shows such as *CSI* and *Law and Order*?

CAREER OPTIONS

BEGINNING CAREERS

On-the-Job training and/or minimal experience

Crossing Guard	Security Guard
Bailiff	Correction Officer
Police & Fire Dispatcher	Fish and Game Warden

SEMI-PROFESSIONAL CAREERS

Community college, technical school, apprenticeship experience

Police Patrol Officer	Sheriff Patrol Officer
Fire Inspector	Investigator
First-Line Supervisor	Court Reporter
Paralegal	Fire Fighter
Police Officer	Criminal Investigator

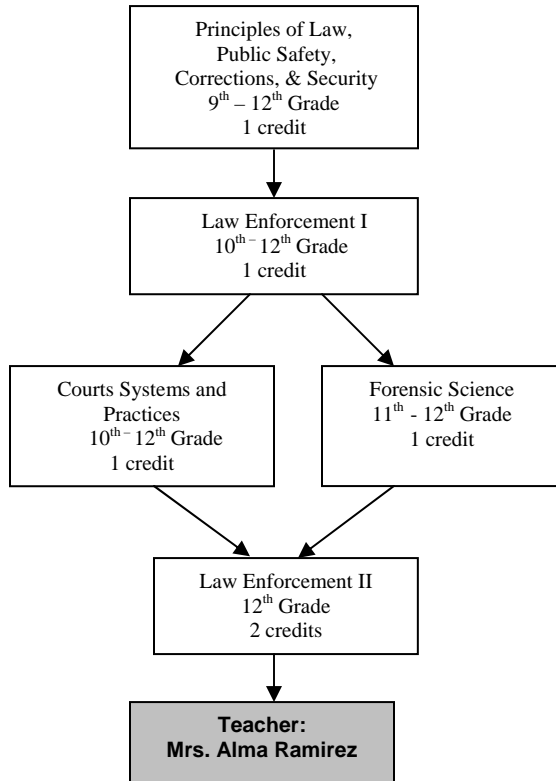
PROFESSIONAL CAREERS

Colleges/ Universities

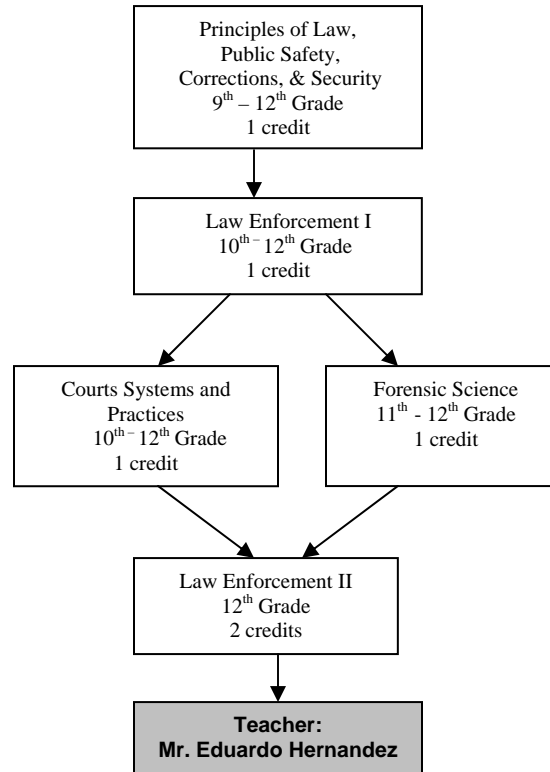
FBI Agent	Teacher
Social Worker	Judge
Lawyer	Forensic Scientist
Law Librarian	Probation Officer

Law, Public Safety, Corrections, and Security Course Sequence

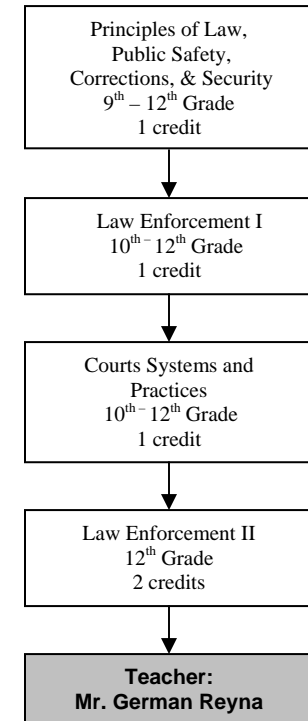
La Joya High School



Palmview High School



Juarez-Lincoln High School



Manufacturing Cluster

Manufacturing Career Cluster involves working primarily with machines, tools, and materials such as wood, metal, or plastic. This path is for persons interested in creating items such as cars, computer chips, cell phones, candy and more. Repetitive tasks that typically occur in manufacturing are being performed by robots, which requires highly trained employers that can adapt to a variety of situations. If you like building things, can follow detailed instruction, or are good at organizing people and processes, then Manufacturing could be the right cluster for you.

If you answer "yes" to most of these questions, this path may have a career for you!

INTEREST and ABILITIES:

Do you like to work with your hands?

Do you like science and math?

Do you like to fix or repair things?

Do you like to design and create new things?

Do you like to do detailed work?

CAREER OPTIONS

BEGINNING CAREERS

On-the-Job training and/or minimal experience

Welder's Helper/Cutter	Assembly Line Worker
AC/Heating Apprentice:	Plastic Technician
Plumber	Electrician
Auto Body Repairer	Mason
Machine Operator	Computer Operator

SEMI-PROFESSIONAL CAREERS

Community college, technical school, apprenticeship experience

Auto/Diesel Mechanic	Machinist
Surveyor	Supervisory Personnel
Computer Aided Drafter	Electrician
Electronics Technician	Computer Technician
Pilot	Heating and Air Cond. Technician
Welder	Construction Superintendent

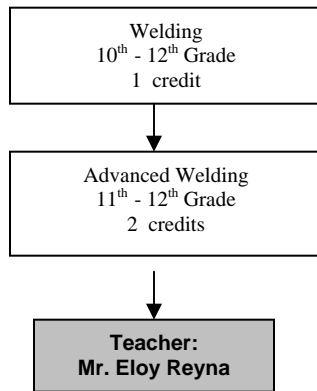
PROFESSIONAL CAREERS

Colleges/Universities

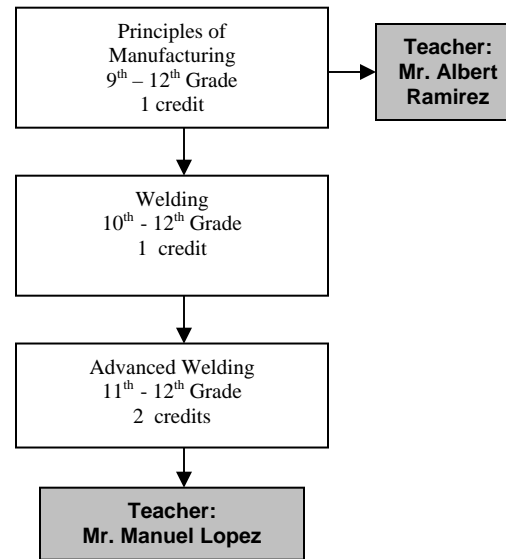
Physicist	Senior Drafter
Computer Programmer	Geologist
Environmentalist	Chemist
Construction Engineer	Architect
Electrical Engineer	Civil Engineer
Mechanical Engineering	

Manufacturing Course Sequence

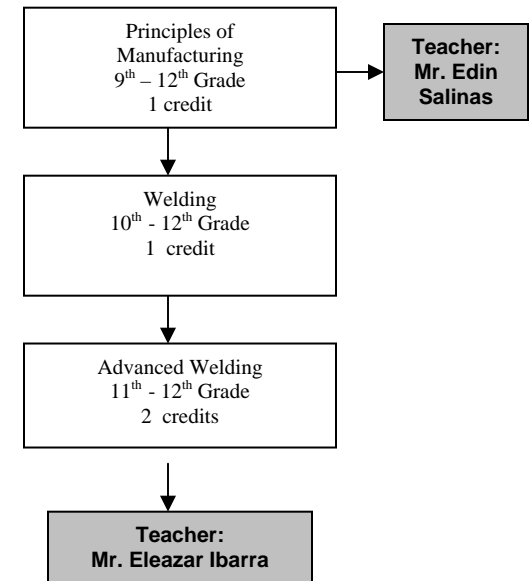
La Joya High School



Palmview High School



Juarez-Lincoln High School



Marketing Cluster

Marketing Career Cluster includes financial and organizational activities. Some may involve positions of high responsibility in the organization, administration and efficient functioning of businesses. Marketing Careers involves sales and promotion as well as clerical and secretarial skills. The marketing, sales, and service field requires the ability to sell any type of product or service all kinds of customers to be able to package yourself for success.

If you answer "yes" to most of these questions, this path may have a career for you!

INTEREST and ABILITIES:

Do you like to keep records of things you do?

Do you like to work with math?

Do you like working with people?

Do you like working with office equipment?

Are you accurate in the work you do?

CAREER OPTIONS

BEGINNING CAREERS

On-the-Job training and/or minimal experience

Accounting Assistant	Credit Clerk
General Office Clerk	Receptionist
Telephone Operator	Sales Clerk
Bank Teller	Bookkeeping Clerk
Data Entry Clerk	Insurance Clerk

SEMI-PROFESSIONAL CAREERS

Community college, technical school, Apprenticeship experience

Accounting Clerk	Insurance Underwriter
Secretary	Real Estate Agent
Court Reporter	Store Manager
Post office Clerk	Bookkeeper
Computer Technician	

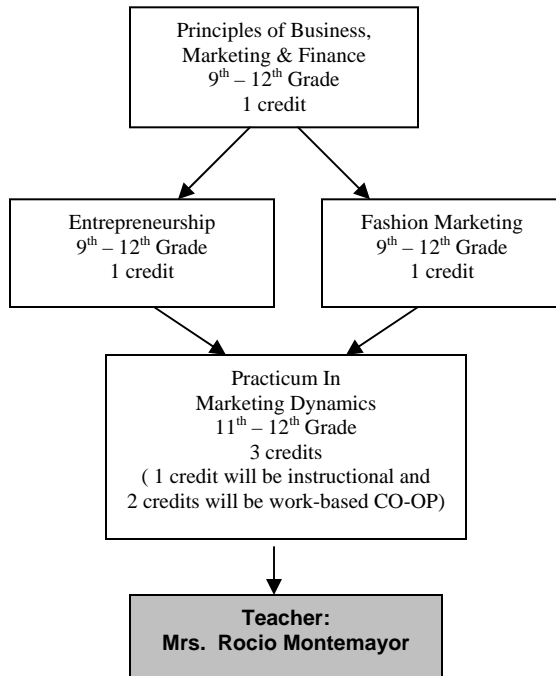
PROFESSIONAL CAREERS

Colleges/Universities

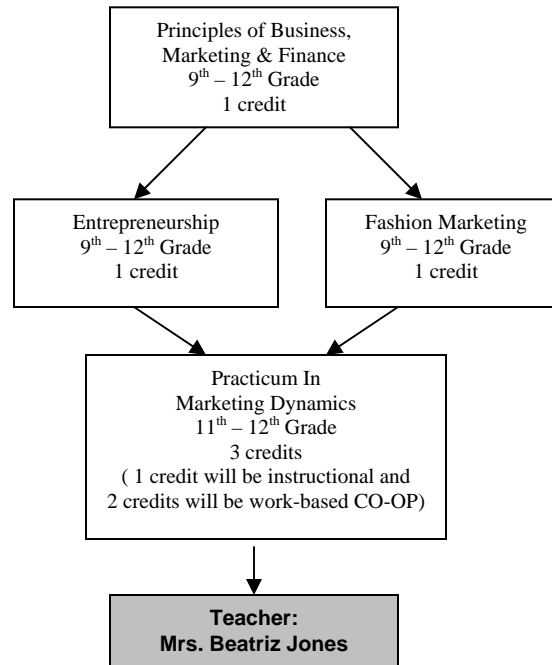
Accountant	Hospital Administrator
Bank Manager	Business Manager
Computer Programmer	Economist
Human Services	Business Teacher
Accounting Programmer	System Analyst
Market Research	Insurance Broker
Auditor	Public Relations Manager
Sales Engineer	

Marketing Course Sequence

La Joya High School



Palmview High School



Juarez-Lincoln High School

Currently there is no teacher available to teach these courses

Science, Technology, Engineering, and Mathematics Cluster

Science, Technology, Engineering & Mathematics Career Cluster pushes the boundaries of human knowledge by seeking to better understand and improve the world around us. They spend their time exploring everything from vast galaxies of stars to the tiniest subatomic particles. If you are curious about the universe, dream of exploring new worlds of knowledge, or want to solve the planet's problems, then Science, Technology, Engineering and Mathematics could be the right career cluster for you.

If you answer "yes" to most of these questions, this path may have a career for you!

Do you read scientific or technical magazines?

Are you good at building things from scratch?

Do you get good grades in Math?

Do you like working with computers?

Do you like visiting museums?

CAREER OPTIONS

BEGINNING CAREERS

On-the-Job training and/or minimal experience

Record Keeper	Surveying Technician
Chemical Technician	Measurer
Weigher	Sampler

SEMI-PROFESSIONAL CAREERS

Community college, technical school, apprenticeship experience

Video Game Designer	Biological Technician
Forensic Scientist Technician	Chemical Technician

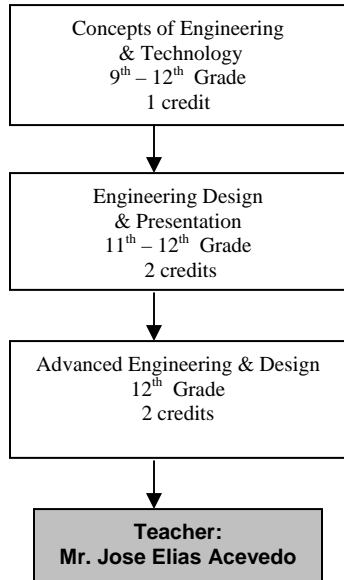
PROFESSIONAL CAREERS

Colleges/ Universities

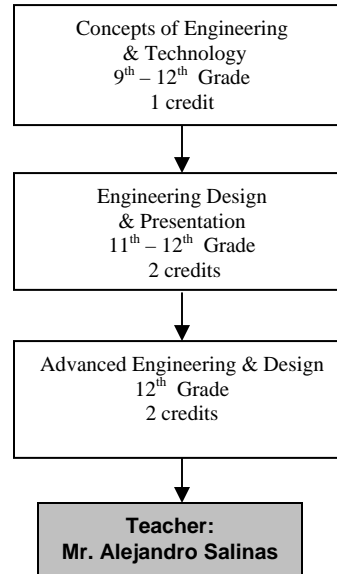
Forensic Scientist	Physicist
TV Meteorologist	Geographer
Oceanographer	Civil Engineer
Aerospace Engineer	Biomedical Engineer
Chemist	Microbiologist

Science, Technology, Engineering, and Mathematics Course Sequence

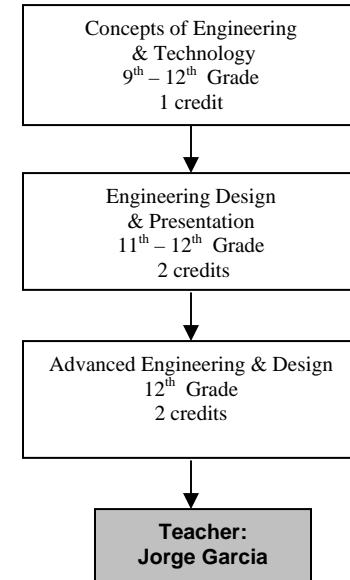
La Joya High School



Palmview High School



Juarez-Lincoln High School



Transportation, Distribution & Logistics Cluster

Transportation, Distribution and Logistics Career Cluster involves traveling hundreds of miles of roads, waterways, railroad tracks, and air routes. These professionals are responsible for ensuring that everyone and everything gets to the right place on time and at the lowest possible price. If you are a mover and shaker, have a talent for organization, or yearn to see new places, then Transportation, Distribution and Logistics could be the right path for you.

If you answer “yes” to most of these questions, this path may have a career for you!

INTEREST AND ABILITIES

Are you good at operating tools and machinery?

Do you like to travel?

Do you pay attention to details?

Do you think it would be cool to drive trucks or planes for a living?

CAREER OPTIONS

BEGINNING CAREERS

On-the-Job training and/or minimal experience

Sailor Oiler	Marine Oiler
Material Collector	Plastic Technician
Traffic Technician	Taxi Driver
Construction Apprentice	Machine Operator
Bus Driver	Truck Driver

SEMI-PROFESSIONAL CAREERS

Community college, technical school, apprenticeship experience

Flight Attendant	Motorboat Operator
Electronics Technician	Computer Technician
Pilot	Mail Superintendent
Captain	

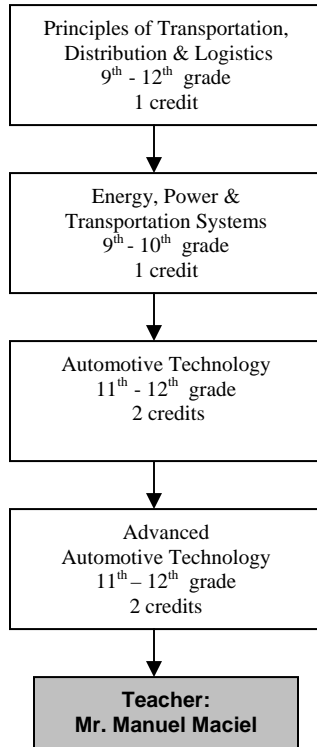
PROFESSIONAL CAREERS

Colleges/Universities

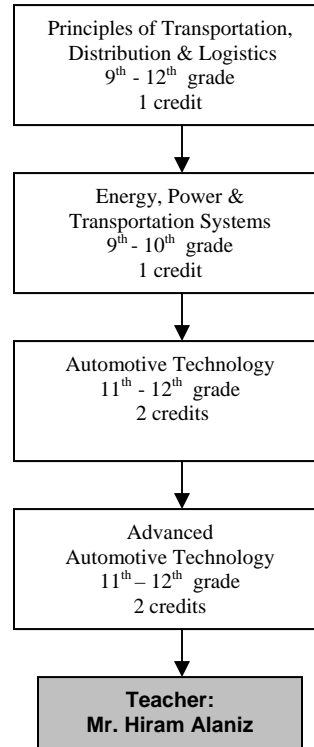
Aerospace Engineer	Flight Engineer
Airline Pilot	

Transportation, Distribution & Logistics Course Sequence

La Joya High School



Palmview High School



Juarez-Lincoln High School

Currently there is no teacher available to teach these courses