

Information Technology

Learn how to map your career and find path to success!

Building a smart career in Information Technology....



Network administrators, software engineers, programmers and database developers are essential to many businesses — and these jobs are expected to grow in the future. These are also high wage jobs, starting at \$16 an hour and ranging all the way up to six figures a year.

Video Gaming and Cyber Security:

Exciting occupations in the IT profession that have been growing steadily are games development, digital media and cyber security.

Because of the gaming industry, Nevada has a natural predisposition to develop a talented and skilled workforce on the video-gaming scene. Artists, animators, and game developers are occupations in demand, and companies will compete for the top talent in the future.

Following the recent news about cyber activities, and hacking into most secured systems, cyber security and jobs associated with it are becoming increasingly important for Nevada's companies as well as those globally.

Everyone knows about Microsoft, Intuit, Take - Two Interactive, Petroglyph, IGT, Switch, Amazon and Zappos, etc., big names both locally and worldwide in IT Industry.

Jobs in computers reach into every industry. The more complex the business, the more staff it needs to keep servers, databases, accounting systems, websites and more running smoothly.

How to learn more:

- Explore this and other industries at www.nvcis.intocareer.org
- Find out if a job will pay your bills using the Reality Check at www.nvcis.intocareers.org
- Search for all the training programs in Nevada, schools and other information regarding career or education options in Nevada by exploring <http://www.nevadayouth.org/>

How do I get started in IT?

- » IT jobs typically require a combination of training and on-the-job experience.
- » Keep your grades up in high school. Take math, computer and English classes.
- » Learn all the software programs you can. If you are interested in interactive media, focus on programs used by graphic designers and web developers.
- » Explore careers you might be interested in at www.nvcis.intocareers.org
- » Explore careers and employment possibilities at www.NevadaYouth.org. If you know someone in IT, interview him/her and ask if you can visit his/her workplace.
- » Make a plan based on your interests. How much training do different jobs require? Where can you find the training you need? How will you pay for it? What steps can you take to get you closer to your goal?

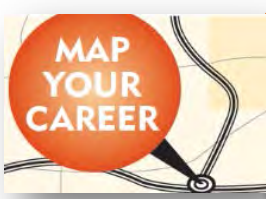
Career Paths in Information Technology

Education Level	Hourly Wage Ranges* (25 th – 75 th percentile)	Database Design & Development	Software Development	Networking & Technical Support	Video Games, Internet, Digital Media
HIGH LEVEL	Computer Engineer, System Software \$36.55 - \$56.43	Database Developer, Database Administrator, Project Manager, Data Architect	Information System Manager, System Software Engineer	Computer Hardware Engineer, Network Infrastructure Engineer, Network System Analyst	Studio Head, Executive Producer, Web Developer, Virtualization Engineer
MID LEVEL	Computer Programmer \$28.66 – \$42.65	System Analyst, Data Analyst, Compliance Analyst	Software Applications Developer, Programmer, Programmer Analyst	Network Server Administrator, Security Specialist, Network Support	Multi-media Artist, Audio/Video Designer, Web Designer, Game Designer
ENTRY LEVEL	Comp. Support Specialist \$16.26 – \$25.93	Database Technician, Business Database Specialist	Business Software Specialist, Software QA and Tester	Computer Support Technician, Help Desk Technician	Desktop Publisher, QA Tester, Business Publication Specialist

*For info on wage ranges visit – Nevada Workforce Informer at <http://www.nevadaworkforce.com/>

Note: the colors for career path aligns with the CTE classes available in the school.

Our mission is to provide Nevada's businesses with access to a qualified workforce and encourage equal employment opportunities.



Information Technology

Learn how to map your education and find path to success!

Classes to take for different Programs of Study in Information Technology:

High School	9 th Grade	10 th Grade	11 th Grade	12 th Grade	Post Secondary
» Base course schedule that students will take in high school:	English I	English II	English III	English IV	College of Southern Nevada Great Basin College Nevada State College Truckee Meadows Community College University of Nevada, Las Vegas University of Nevada, Reno Western Nevada College
	Algebra I	Geometry	Algebra II	Senior Level Math Course	
	Biology	Chemistry or Geoscience	Junior Level Science Course	Elective	
	Health / Computer Literacy	World History	US History	US Government	
	Physical Education	Physical Education	Foreign Language or Elective	Foreign Language or Elective	

» Recommended classes for selected career paths in IT :

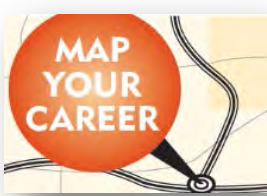
Industry Recognized Certifications:

Computer Science:	Computer Science I	Computer Science II	Computer Science III or AP Computer Science A	Computer Science Advance Study	
Digital Game Development:	Digital Game Development I	Digital Game Develop. II	Digital Game Develop. III	Digital Game Adv. Study	Adobe Certifications
Information Technology Networking:	IT Networking I	IT Networking II	IT Networking III	IT Networking Advance Study	Network + (CompTIA), CISCO Certification Microsoft Certification
Information Technology Services & Support:	IT Essentials I	IT Essentials II	IT Essentials Advanced Studies or Networking I	Elective or Networking II	A+ (CompTIA) CISCO Certification
Web Design & Development:	Web Design & Develop. I	Web Design & Develop. II	Web Design & Develop. III	Web Design & Develop Adv. Study	
Graphic Design:	Graphic Design I	Graphic Design II	Graphic Design III	Graphic Design Advance Study	Adobe Certifications
Digital Video & Broadcasting Production:	Video Production I	Video Production II	Video Production III	Video Production Advanced Study	Adobe Certifications Apple Certifications
Animation:	Animation I	Animation II	Animation III	Animation Advanced Study	Adobe Certifications
Photography:	Photography I	Photography II	Photography III	Photography Advanced Studies	Adobe Certifications

This program of study is based upon the requirements needed for an Advanced Diploma. Academic course names may vary among school districts. For detail information please visit: <http://ctae.nv.gov/>

Note: the colors for career path aligns with the CTE classes available in the school.

Our mission is to provide Nevada's businesses with access to a qualified workforce and encourage equal employment opportunities.



Aerospace & Defense

Learn how to map your career and find path to success!

Exciting careers for creative minds.....



Aerospace and Defense jobs are available at the entry level for people with short-term training or on the job training. However, jobs paying more usually require training. Some skills you can learn on the job, but a position as an engineer or aircraft mechanic may require a certificate or degree.

Some jobs may not be exclusively aerospace and defense focused. There are other jobs such as machine operators, mechanics, welders and more. Aerospace jobs run from entry level to middle-skill trades to engineers with Ph.Ds.

This is an industry that will see a significant portion of the workforce reach retirement age within the next five years.

Aerospace and Defense is a key industry in Nevada.

The state is home to Nellis Air Force Base, Creech Air Force Base, Naval Air Station Fallon and the Hawthorne Army Depot.

How to learn more:

- Explore this and other industries at www.nvcis.intocareer.org
- Find out if a job will pay your bills using the Reality Check at www.nvcis.intocareers.org
- Search for all the training programs in Nevada 15 Schools and other information regarding career or education options in Nevada by exploring <http://www.nevadayouth.org/>

How do I get started in A&E?

- » Keep your grades up in high school. Take math, computer, science and English classes.
- » Explore careers you might be interested in at www.nvcis.intocareers.org.
- » Explore careers and employment possibilities at www.NevadaYouth.org.
- » Do you know anyone who works in Aerospace and Defense? Interview him/her and ask if you can visit his/her workplace.
- » Make a plan based on your interests. How much training do different jobs require? Where can you find the training you need? How will you pay for it? What steps can you take to get you closer to your goal?

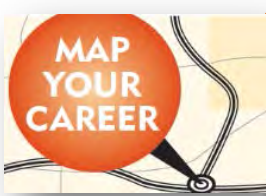
Career Paths in Aerospace & Defense

Education Level	Hourly Wage Ranges* (25 th – 75 th percentile)	Aviation Technology	Aviation Equipment Technology	Aviation - Supporting Industry	Aerospace Engineering
HIGH LEVEL	Aerospace Engineer \$25.87 - \$51.34	Airline/Commercial Pilots Flight Engineers	Aircraft Parts & Services Manager, Engineers	Electronic, Electrical, Mechanical and Materials Engineers, Design Engineers	Aerospace Engineers, Physicists, Astronauts
MID LEVEL	Aircraft Mechanics \$24.75 – \$32.69	Transportation Supervisors, Traffics Supervisors, Airfield Operation Specialists	Aircraft Mechanist, Aircraft Engine Specialist	Ind. Maintenance Tech., Ind. Electronic Tech., Communication Systems Tech., Process Improvement Tech.	Aerospace Engineering Technicians
ENTRY LEVEL	Aviation Technician \$22.39 - \$27.96	Traffic Technicians, Transportation Agents, Dispatchers	Avionics Services Technician, Airplane Assemblers	Crane/Tower Operators, Ind. Machinery Mechanics, Metal & Plastic Processors, Inspectors, Instrument Calibration & Repair, Assemblers, Welders	* Need min. associate degree...

*For info on wage ranges visit – Nevada Workforce Informer at <http://www.nevadaworkforce.com/>

Note: the colors for career path aligns with the CTE classes available in the school.

Our mission is to provide Nevada's businesses with access to a qualified workforce and encourage equal employment opportunities.



Aerospace & Defense

Learn how to map your education and find path to success!

Classes to take for different Programs of Study in Aerospace & Defense:

High School	9 th Grade	10 th Grade	11 th Grade	12 th Grade	Post Secondary
» Base course schedule that students will take in high school:	English I	English II	English III	English IV	College of Southern Nevada Great Basin College Nevada State College Truckee Meadows Community College University of Nevada, Las Vegas University of Nevada, Reno Western Nevada College
	Algebra I	Geometry	Algebra II	Senior Level Math Course	
	Biology	Chemistry or Geoscience	Junior Level Science Course	Elective	
	Health / Computer Literacy	World History	US History	US Government	
	Physical Education	Physical Education	Foreign Language or Elective	Foreign Language or Elective	

» Recommended classes for selected career paths in Aerospace & Defense :

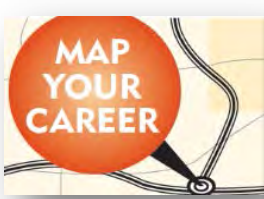
Industry Recognized Certifications:

Aviation Technology:	Fundamentals of Aerospace and Aviation	Aircraft Systems and Structures	Pilot I	Pilot II	CareerSafe (OSHA)
Aviation Equipment Technology:	Fundamentals of Aerospace and Aviation	Aircraft Systems and Structures	Aviation Maintenance Technician I	Aviation Maintenance Technician II	CareerSafe (OSHA)
Electronic Technology:	Electronic Technology I	Electronic Technology II	Electronic Technology III	Electronic Technology Advanced Studies	CareerSafe (OSHA), J-STD-001 (IPC Certification), Student Electronic Technician (ETA Certification)
Mechanical Technology:	Mechanical Technology I	Mechanical Technology II	Mechanical Technology III	Mechanical Tech. Advanced Studies	CareerSafe - 10-hour (OSHA)
Diesel Equipment Technology:	Diesel Technology I	Diesel Technology II	Diesel Technology III	Diesel Technology Advanced Studies	Medium/Heavy Truck (T1-T8) (ASE), CareerSafe (OSHA)
Power Equipment Technology:	Power Equipment Technology I	Power Equipment Technology II	Power Equipment Technology III	Power Equipment Tech. Adv. Study	Career Safe (OSHA)
Welding Technology:	Welding Technology I	Welding Technology II	Welding Technology III	Welding Technology Advanced Studies	Certified Welder (ASE), CareerSafe (OSHA)
Mechanical Drafting & Design:	Mechanical Drafting and Design I	Mechanical Drafting and Design II	Mechanical Drafting and Design III	Mechanical Drafting and Design Advanced Studies	Autodesk Certified User (AutoDesk), Certified Apprentice Drafter (American Design Drafting Associate), Certified Solidworks Associate (Solidworks)
(PLTW) Project Lead The Way Aerospace Engineering	Introduction to Engineering	Principles of Engineering	Aerospace Engineering	Engineering Design & Development	

This program of study is based upon the requirements needed for an Advanced Diploma. Academic course names may vary among school districts. For detail information please visit: <http://ctae.nv.gov/>

Note: the colors for career path aligns with the CTE classes available in the school.

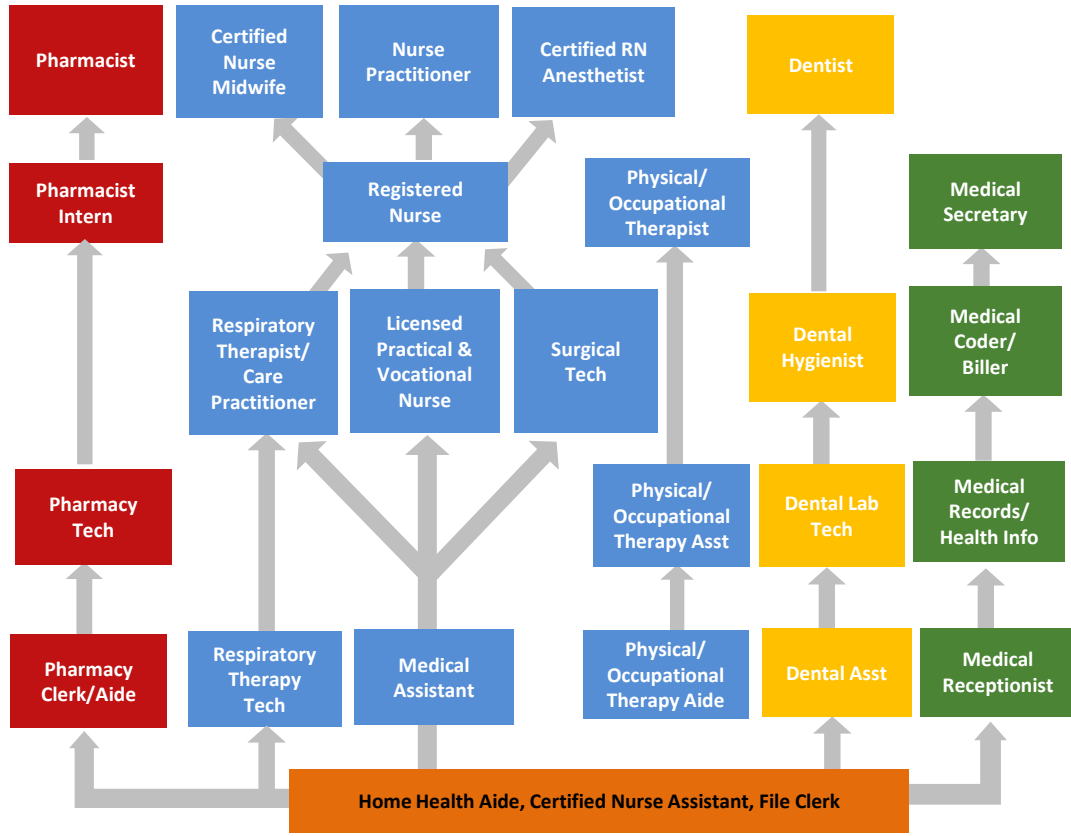
Our mission is to provide Nevada's businesses with access to a qualified workforce and encourage equal employment opportunities.



Health Care & Medical Services

Learn how to map your career and find path to success!

Career Paths in Health Care & Medical Services:



Hourly Wage Ranges (25 th – 75 th percentile)*:			
Medical Assistant	\$12.94 - \$17.09	Registered Nurse	\$32.01 - \$42.25
Pharmacy Clerk/Aide	\$8.51 - \$11.81	Dental Assistant	\$15.91 - \$20.38
Physical Therapy Assistant	\$23.54 - \$32.89	Medical Secretary	\$14.44 - \$20.71

*For info on wage ranges visit – Nevada Workforce Informer at <http://www.nevadaworkforce.com/>

Note: the colors for career path aligns with the CTE classes available in the school.

Nursing and so much more...

Health care has become one of the largest employment sectors. What's more, the number of health-care jobs is growing and most are good jobs, with good wages and opportunities to move up.

Health care involves more than doctors and nurses. Think of everything that goes on at a hospital. Lab techs, physical therapists, ultrasound technicians, pharmacists and medical secretaries are just a few of the hundreds of jobs in health care in Nevada.



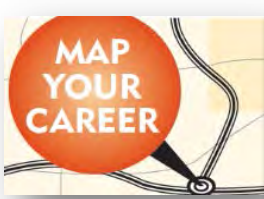
How do I get started?

Keep your grades up in high school. Take math, technology and science classes.

- » Explore careers you might be interested in at Connect with NCIS, www.nvcis.intocareers.org
- » Explore careers and employment possibilities at www.NevadaYouth.org
- » Do you know anyone who works in health care? Interview him/her and ask if you can visit his/her workplace.
- » Make a plan based on your interests. How much training do different jobs require? Where can you find the training you need? How will you pay for it? What steps can you take to get you closer to your goal?

How to learn more:

- Explore this and other industries at www.nvcis.intocareer.org
- Find out if a job will pay your bills using the Reality Check at www.nvcis.intocareers.org
- Search for all the training programs in Nevada, Schools and other information regarding career or education options in Nevada by exploring <http://www.nevadayouth.org/>



Health Care & Medical Services

Learn how to map your education and find path to success!

Classes to take for different Programs of Study in Health Care & Medical Services:

High School	9 th Grade	10 th Grade	11 th Grade	12 th Grade	Post Secondary
» Base course schedule that students will take in high school:	English I	English II	English III	English IV	College of Southern Nevada Great Basin College Nevada State College Truckee Meadows Community College University of Nevada, Las Vegas University of Nevada, Reno Western Nevada College
	Algebra I	Geometry	Algebra II	Senior Level Math Course	
	Biology	Chemistry	Anatomy/Physiology	Elective	
	Computer Literacy	World History	US History	US Government	
	Physical Education	Physical Education	Foreign Language or Elective	Foreign Language or Elective	

» Recommended classes for selected career paths in Health Care & Medical Services :

Industry Recognized Certifications:

Pharmacology:	Health Science I	Health Science II or Medical Terminology	Pharmacy Technician	Pharmacy Technician Adv. Study	HIPAA Certification, CPR Certification, National Pharmacy Tech. Certification
Respiratory Therapy:	Health Science I	Health Science II or Medical Terminology Human Diseases	Respiratory Therapy I	Respiratory Therapy II	HIPAA Certification, CPR Certification
Medical Assisting:	Health Science I	Health Science II or Medical Terminology	Medical Assisting	Medical Assisting Adv. Study	HIPAA Certification, CPR Certification
Nursing Operations:	Health Science I	Health Science II or Medical Terminology	Nursing Assisting	Nursing Assistant LAB	HIPAA Certification, CPR Certification, Certified Home Health Aid, Certified Nursing Assistant
Sports Medicine:	Health Science I	Sport Medicine I	Sport Medicine II	Sports Medicine Adv. Study	HIPAA Certification, CPR Certification
Dental Assisting:	Health Science I	Health Science II	Dental Assisting I Dental Materials & Radiology	Dental Assisting II Dental Assisting Adv. Study	HIPAA Certification, CPR Certification, Certified Dental Assistant (CDA)
Health Information Management:	Health Science I	Health Information Management I	Health Information Management II	Health Information Management Adv. Study	HIPAA Certification, CPR Certification, Certified Coding Specialist
Emergency Medical Technician	Elective	Health Science I	Health Science II or Emergency Medical Services Foundation of Public Safety	Emergency Medical Technician	HIPAA Certification, CPR Certification, Incident Command System (ICU), NREMT
Biomedical:	Biomedical I	Biomedical II	Biomedical III	Biomedical Adv. Study	HIPAA Certification, CPR Certification
(PLTW) Project Lead The Way Program: Biomedical Science	Principles of Biomedical Science	Human Body Systems	Medical Interventions	Biomedical Innovations	HIPAA Certification, CPR Certification

This program of study is based upon the requirements needed for an Advanced Diploma. Academic course names may vary among school districts. For detail information please visit: <http://ctcae.nv.gov/>

Note: the colors for career path aligns with the CTE classes available in the school.

Our mission is to provide Nevada's businesses with access to a qualified workforce and encourage equal employment opportunities.



Clean Energy

Learn how to map your career and find path to success!



Going GREEN....

More and more people are talking about Green Jobs, in today's economy, but what does it mean to have a green job? What does it mean to work for green business?

According to the official definition, green occupations or business are those that create renewable energy, improve energy efficiency, recycle, reuse or reduce pollution, conserve natural resources, enforce environmental law and educate about renewable energy.

As people become more concerned about our environment, many occupations are changing. Demand for existing green occupations is increasing; For example (Biologists), existing occupations are adapting and changing due to increased demand (electricians need to learn to install solar panel), and new occupations are emerging (wind turbine technicians) that are completely new and unique.

How to learn more:

- Explore this and other industries at www.nvcis.intocareer.org
- Find out if a job will pay your bills using the Reality Check at www.nvcis.intocareers.org
- Search for all the training programs in Nevada, schools and other information regarding career or education options in Nevada by exploring <http://www.nevadayouth.org/>

How do I get started in Clean Energy?

» Keep your grades up in high school. Take math, science, computer and English classes.

» Explore careers you might be interested in at Connect with NCIS at www.nvcis.intocareers.org

» Explore careers and employment possibilities at www.NevadaYouth.org.

» Do you know anyone who works in Clean Energy? Interview him/her and ask if you can visit his/her workplace.

» Make a plan based on your interests. How much training do different jobs require? Where can you find the training you need? How will you pay for it? What steps can you take to get you closer to your goal?

Because of its natural resources and more than 250 days of sunshine, Nevada has a great solar energy potential as well as abundant geothermal and wind potential to become leader in clean energy.

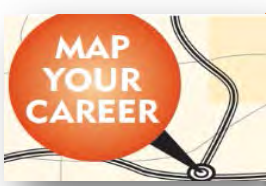
Career Paths in Clean Energy

Education Level	Hourly Wage Ranges* (25 th – 75 th percentile)	Green Energy	Green Manufacturing	Green Automotive Operations	Green Building
HIGH LEVEL	Geothermal Manager \$ 33.40 – \$53.47	Electrical Engineer, Energy Manager/Energy Engineer, Smart Grid Meter Technology Manager	Industrial Engineer, Welding Engineer, Manufacturing Engineer, Design Engineer, Chemist	Software & Control System Engineer, Diesel Retrofit Designer, Automotive Power Electronic Engineer	Mechanical Engineer, Construction Manager, Civil Engineer, Architect
MID LEVEL	Power Distributors & Dispatchers \$32.59 - \$45.50	Electrical Power line Installer, Power Plant Operator, Power Distributors & Dispatchers, Energy Auditor, Engineering Technician	Sheet Metal Worker, Welder, Pipe Fitter, CNC Operator, Precision Inspector & Tester .	Car & Truck Mechanics (biodiesel, Electric, Hydrogen Vehicle), Electric and Hybrid Vehicle Electrician, Automotive Master Mechanic	HVAC Technician, Construction Carpenters, Building Inspectors, Drafting & Design Technicians
ENTRY LEVEL	Geothermal Technician \$13.46 - \$30.07	Electrician's Helper, Pre-apprentice Line Worker, Thermal Control Tech., Instrument Control Tech, Entry Level Tech. (windsmith, solar)	Production Helper, Welding Technician, Process Improvement Technician	Diesel retrofit Installer, Automotive Assembler/Fabrication, Automotive Service Technician	Roofer, Solar Photovoltaic Installer, Construction Laborer

*For info on wage ranges visit – Nevada Workforce Informer at <https://nvcis.intocareers.org>

Note: the colors for career path aligns with the CTE classes available in the school.

Our mission is to provide Nevada's businesses with access to a qualified workforce and encourage equal employment opportunities.



Clean Energy

Learn how to map your education and find path to success!

Classes to take for different Programs of Study in Clean Energy:

High School	9 th Grade	10 th Grade	11 th Grade	12 th Grade	Post Secondary
» Base course schedule that students will take in high school:	English I	English II	English III	English IV	College of Southern Nevada Great Basin College Nevada State College Truckee Meadows Community College University of Nevada, Las Vegas University of Nevada, Reno Western Nevada College
	Algebra I	Geometry	Algebra II	Senior Level Math Course	
	Biology	Chemistry or Geoscience	Junior Level Science Course	Elective	
	Health / Computer Literacy	World History	US History	US Government	
	Physical Education	Physical Education	Foreign Language or Elective	Foreign Language or Elective	

» Recommended classes for selected career paths in Clean Energy:

					Industry Recognized Certifications:
Alternative Energy:	Alternative Energy I	Alternative Energy II	Alternative Energy III	Alternative Energy Adv. Study	Career Safe (OSHA), Alternative Energy & Core Curriculum (NCCER)
Electronic Technology:	Electronic Technology I	Electronic Technology II	Electronic Technology III	Electronic Technology Adv. Studies	Career Safe (OSHA), J-STD-001 (IPC Cert.), Student Electronic Tech. (ETA)
Mechanical Technology:	Mechanical Technology I	Mechanical Technology II	Mechanical Technology III	Mechanical Tech. Adv. Studies	Career Safe (OSHA), Core Curriculum (NCCER)
Welding Technology:	Welding Technology I	Welding Technology II	Welding Technology III	Welding Technology Adv. Studies	Career Safe (OSHA), Core Curriculum (NCCER)
Metalworking:	Metalworking I	Metalworking II	Metalworking III	Metalworking Adv. Studies	Career Safe (OSHA)
Drafting & Design:	Drafting and Design I	Drafting and Design II	Drafting and Design III	Drafting and Design Adv. Studies	Autodesk Certified User, Certified Apprentice Drafter, Certified Solidworks Associate
AgMET Equipment Fabrication Systems:	AgMET I	AgMET II	AgMET Equipment Fabrication Systems	AgMET Adv. Studies	Career Safe (OSHA), AWS Certified Welder (American Welding Soc.)
AgMET Power Systems:	AgMET I	AgMET II	Ag MET Power Systems	AgMET Adv. Studies	Career Safe (OSHA), AWS Certified Welder (American Welding Soc.)
Automotive Technology:	Automotive Technology I	Automotive Technology II	Automotive Technology III	Automotive Technology Adv. Studies	Career Safe (OSHA), Automotive/Light Truck (A1 – A8)
Construction Technology:	Construction Technology I	Construction Technology II	Construction Technology III	Construction Tech. Adv. Studies	Career Safe (OSHA), Constr. Tech. & Core Curriculum (NCCER)
Air Conditioning & Refrigeration:	Air Conditioning & Refrigeration I	Air Conditioning & Refrigeration II	Air Conditioning & Refrigeration III	Air Conditioning & Refrigeration Adv. Studies	HEAT (HVAC Excellence), AHRI Certifications, Career Safe (OSHA)
(PLTW) Project Lead The Way Architectural & Civil Engineering:	Introduction to Engineering Design	Principles of Engineering	Civil Engineering and Architecture	Engineering Design and Development	

This program of study is based upon the requirements needed for an Advanced Diploma. Academic course names may vary among school districts. For detail information please visit: <http://ctae.nv.gov/>

Note: the colors for career path aligns with the CTE classes available in the school.

Our mission is to provide Nevada's businesses with access to a qualified workforce and encourage equal employment opportunities.



Manufacturing

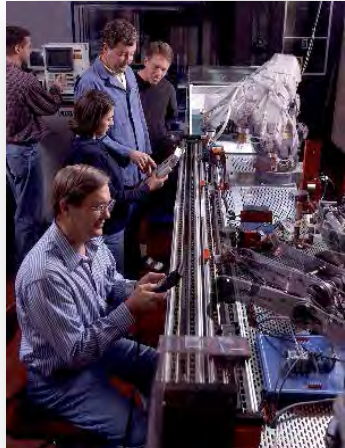
Learn how to map your career and find path to success!

Manufacturing pays well!

Manufacturing is still an important industry. While some people think of manufacturing as offering low-skill, entry-level jobs, they couldn't be more wrong. This is a high-tech, advanced industry requiring skilled and talented people who need to keep learning throughout their careers to keep up with technology.

In fact, many manufacturers in the U.S. report that they can't find the skilled employees they need! This means **opportunities** for high-paying jobs, many of which offer on-the-job-training. A machinist, for example, can make up to \$35 an hour.

Manufacturing jobs are available at the entry level for people without specialized skills. However, jobs paying more than minimum wage usually require training. Some skills you can learn on the job, but a position as an engineer or technician may require a certificate or degree.



Manufacturing Engineering Technology

How to learn more:

- Explore this and other industries at www.nvcis.intocareers.org
- Find out if a job will pay your bills using the Reality Check at www.nvcis.intocareers.org
- Search for all the training programs in Nevada, schools and other information regarding career or education options in Nevada by exploring <http://www.nevadayouth.org/>

How do I get started in Manufacturing?

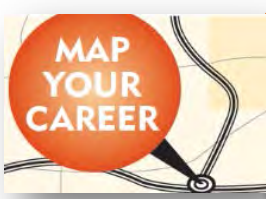
- » Keep your grades up in high school. Take math, science, computer and English classes.
- » Explore careers you might be interested in at Connect with NCIS at www.nvcis.intocareers.org
- » Explore careers and employment possibilities at www.NevadaYouth.org.
- » Do you know anyone who works in Manufacturing? Interview him/her and ask if you can visit his/her workplace.
- » Make a plan based on your interests. How much training do different jobs require? Where can you find the training you need? How will you pay for it? What steps can you take to get you closer to your goal?

Career Paths in Manufacturing

Education Level	Hourly Wage Ranges* (25 th – 75 th percentile)	Electronic Engineering and Electronic Technology	Mechanical & Machine Tool Technology	Metalworking & Welding Technology	Mechanical Engineering and Drafting and Design
HIGH LEVEL	Manufacturing Engineer \$29.28 - \$53.52	Electronic Engineers, Electrical Engineers	Manufacturing Engineer, Mechanical Engineer, Industrial Engineer	Welding Engineers, Materials/Metallurgical Engineer, Metallurgist	Design Engineer, Industrial Engineer, Manufacturing Engineer
MID LEVEL	Manufacturing Engineering Technologist \$19.90 - \$34.33	Communication Systems Technician, Electrical Equipment Technician, Industrial Electronic Technician	Calibration Technician, Instrument Control Technician, Industrial Manufacturing Tech., Machinist, Automation Technician	Welding Technicians, Welding Inspectors, Sheet Metal Workers, Pipe Fitters, Boilermakers	Drafters, Process Improvement Technician
ENTRY LEVEL	Welding Machine Operators \$15.32 - \$21.96	Industrial Electronic Repairers, Electrician Helpers	Machinery Mechanics, Millwright, Machine Operator, Assembler, CNC Machinist, Tool & Die Maker	Welders, Welding Machine Operators, Metal Workers, Foundry Workers, Tool & Die Makers	Precision Inspector, Tester, and Grader

*For info on wage ranges visit – Nevada Workforce Informer at <https://nvcis.intocareers.org>

Note: the colors for career path aligns with the CTE classes available in the school.



Manufacturing

Learn how to map your education and find path to success!

Classes to take for different Programs of Study in Manufacturing:

High School	9 th Grade	10 th Grade	11 th Grade	12 th Grade	Post Secondary
» Base course schedule that students will take in high school:	English I	English II	English III	English IV	College of Southern Nevada Great Basin College Nevada State College Truckee Meadows Community College University of Nevada, Las Vegas University of Nevada, Reno Western Nevada College
	Algebra I	Geometry	Algebra II	Senior Level Math Course	
	Biology	Chemistry or Geoscience	Junior Level Science Course	Elective	
	Health / Computer Literacy	World History	US History	US Government	
	Physical Education	Physical Education	Foreign Language or Elective	Foreign Language or Elective	

» Recommended classes for selected career paths in Manufacturing:

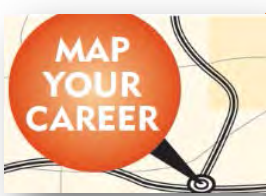
Industry Recognized Certifications:

Electronic Technology:	Electronic Technology I	Electronic Technology II	Electronic Technology III	Electronic Technology Adv. Studies	Career Safe (OSHA), J-STD-001 (IPC Cert.), Student Electronic Tech. (ETA)
(PLTW) Project Lead the Way Electronic Engineering:	Introduction to Engineering Design	Principles of Engineering	Digital Electronics	Engineering Design and Development	
Mechanical Technology:	Mechanical Technology I	Mechanical Technology II	Mechanical Technology III	Mechanical Tech. Adv. Studies	Career Safe (OSHA), Core Curriculum (NCCER), MSSC/APICS/CPT
Machine Tool Technology:			Machine Tool Technology I	Machine Tool Technology II	
Metalworking:	Metalworking I	Metalworking II	Metalworking III	Metalworking Adv. Studies	Career Safe (OSHA), NIMS
Welding Technology:	Welding Technology I	Welding Technology II	Welding Technology III	Welding Technology Adv. Studies	
(PLTW) Project Lead the Way Mechanical Engineering:	Introduction to Engineering Design	Principles of Engineering	Computer Integrated Manufacturing	Engineering Design and Development	Career Safe (OSHA), Core Curriculum (NCCER) AWS
Drafting & Design	Drafting and Design I	Drafting and Design II	Drafting and Design III	Drafting and Design Adv. Studies	
					Autodesk Certified User, Certified Apprentice Drafter, Certified Solidworks Associate

This program of study is based upon the requirements needed for an Advanced Diploma. Academic course names may vary among school districts. For detail information please visit: <http://cteae.nv.gov/>

Note: the colors for career path aligns with the CTE classes available in the school.

Our mission is to provide Nevada's businesses with access to a qualified workforce and encourage equal employment opportunities.



Mining & Materials

Learn how to map your career and find path to success!



Why Mining?

Why consider a career in mining? For starters, jobs in mining, whether you are manager, an engineer, geologist, or even an accountant, pay exceptionally well. The mining industry is known for taking care of its employees.

Jobs in mining really allow you to grow into the industry with the skills-sets of a recent graduate or just someone looking to branch into another area of the mining industry. Be it a technical field, engineering, or exploration, the opportunities for advancement are plentiful.

Many mining jobs offer training in the field, internships for graduates, and mentoring with the opportunity to grow from entry level into senior level and/or management positions, setting you on a fulfilling career path

A career in mining has many benefits and this industry is a one of the major players in Nevada's economy and leader on the world stage.

How to learn more:

- Explore this and other industries at www.nvcis.intocareer.org
- Find out if a job will pay your bills using the Reality Check at www.nvcis.intocareers.org
- Search for all the training programs in Nevada, schools and other information regarding career or education options in Nevada by exploring <http://www.nevadayouth.org/>

How do I get started in Mining & Materials?

» Keep your grades up in high school. Take math, science, computer and English classes.

» Explore careers you might be interested in at Connect with NCIS at www.nvcis.intocareers.org

» Explore careers and employment possibilities at www.NevadaYouth.org.

» Do you know anyone who works in mining? Interview him/her and ask if you can visit his/her workplace.

» Make a plan based on your interests. How much training do different jobs require? Where can you find the training you need? How will you pay for it? What steps can you take to get you closer to your goal?

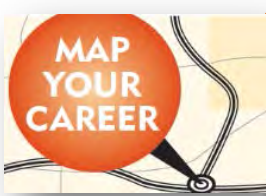
Career Paths in Mining & Materials

Education Level	Hourly Wage Ranges* (25 th – 75 th percentile)	Mining /Manufacturing Technologies	Mining /Transportation Technologies	Mining Environmental & Health Technologies	Mining Computer and Business Services
HIGH LEVEL	Mining Engineer \$33.99 - \$51.76	Mining Engineer, Electrical Engineer, Material Engineers, Civil Engineers	Mechanical Engineers, Transportation Managers	Geologists, Environmental Engineers, Emergency Planning Engineer, Mining Safety Engineers	Computer Engineers, Software Engineers, Geostatistician, Data Modeler,
MID LEVEL	Heavy Equipment Mechanics \$25.01 - \$33.34	Fixed Maintenance Mechanics, Process Operators, Electrician/Instrumentation Technicians	Diesel Mechanics, Truck Mechanics, Heavy Equipment Mechanics	Environmental Technician, Safety & Healthy Technician, Safety Program Specialist	Communication System Technicians, IT Technicians, Statistical Assistants, Research Specialist
ENTRY LEVEL	Mining Machine Operator \$24.07 – \$31.74	UG Miners, Welders, Millwright, Maintenance Planner, Mining Machine Operator	Motor Coach Operator Trainee, Heavy Equipment Operator, Material Moving Machine Operators	Lab Technicians, Emergency Dispatchers, Rescue Worker	Surveyor, Research Assistant, Material Handlers

*For info on wage ranges visit – Nevada Workforce Informer at <https://nvcis.intocareers.org>.

Note: the colors for career path aligns with the CTE classes available in the school.

Our mission is to provide Nevada's businesses with access to a qualified workforce and encourage equal employment opportunities.



Mining & Materials

Learn how to map your education and find path to success!

Classes to take for different Programs of Study in Mining & Materials:

High School	9 th Grade	10 th Grade	11 th Grade	12 th Grade	Post Secondary
» Base course schedule that students will take in high school:	English I	English II	English III	English IV	College of Southern Nevada Great Basin College Nevada State College Truckee Meadows Community College University of Nevada, Las Vegas University of Nevada, Reno Western Nevada College
	Algebra I	Geometry	Algebra II	Senior Level Math Course	
	Biology	Chemistry or Geoscience	Junior Level Science Course	Elective	
	Health / Computer Literacy	World History	US History	US Government	
	Physical Education	Physical Education	Foreign Language or Elective	Foreign Language or Elective	

» Recommended classes for selected career paths in Mining & Materials:

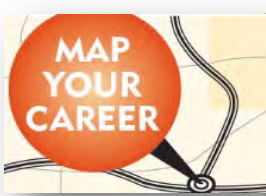
Industry Recognized Certifications:

Electronic Technology:	Electronic Technology I	Electronic Technology II	Electronic Technology III	Electronic Technology Adv. Studies	Career Safe (OSHA), J-STD-001 (IPC Cert.), Student Electronic Tech. (ETA)
Mechanical Technology:	Mechanical Technology I	Mechanical Technology II	Mechanical Technology III	Mechanical Tech. Adv. Studies	Career Safe (OSHA), Core Curriculum (NCCER)
Metalworking:	Metalworking I	Metalworking II	Metalworking III	Metalworking Adv. Studies	Career Safe (OSHA)
Welding Technology:	Welding Technology I	Welding Technology II	Welding Technology III	Welding Technology Adv. Studies	Career Safe (OSHA)
Diesel Equipment Technology:	Diesel Technology I	Diesel Technology II	Diesel Technology III	Diesel Technology Advanced Studies	Medium/Heavy Truck (T1-T8) (ASE), Career Safe (OSHA)
AgMET Power Systems:	AgMET I	AgMET II	Ag MET Power Systems	AgMET Eng. Tech. Adv. Studies	Career Safe (OSHA), AWS Certified Welder (American Welding Soc.)
AgMET Equipment Fabrication Systems:	AgMET I	AgMET II	Ag MET Equipment Fabrication Systems	AgMET Adv. Studies	Career Safe (OSHA), AWS Certified Welder (American Welding Soc.)
Environmental Management:	Environmental Management I	Environmental Management II	Environmental Management III	Environmental Management Adv. studies	
Emergency Medical Service:	Elective	Health Science I	Health Science II or EMS (Emergency Medical Services)	Emergency Medical Technician	CPR, First Aid (American Heart Association), Emergency Medical Tech. (National Registry EMT)
Computer Science:	Computer Science I	Computer Science II	Computer Science III	Computer Science Adv. Studies	
Principles of Business & Marketing	Principles of Business and Marketing	Marketing I	Marketing II	Marketing Advanced Studies	

This program of study is based upon the requirements needed for an Advanced Diploma. Academic course names may vary among school districts. For detail information please visit: <http://ctae.nv.gov/>

Note: the colors for career path aligns with the CTE classes available in the school.

Our mission is to provide Nevada's businesses with access to a qualified workforce and encourage equal employment opportunities.



Tourism, Gaming & Entertainment

Learn how to map your career and find path to success!



Tourism, Gaming and Entertainment careers...

Tourism, Gaming and Entertainment is a vibrant, exciting industry sector. The sector is fast moving, with constant change, so it's never boring. The people who work in this sector are generally interesting, social people who have interesting, challenging jobs. Sure! There'll be "shifts". Many jobs in the sector fall outside the fixed nine-to-five structure but there are social benefits to this, both within the work teams and in the flexibility you'll have for your personal lifestyle.

The Tourism, Gaming and Entertainment sector is really important to Nevada! However, the sector does more than generate jobs and revenue, it showcases to the world the State's fine wine; fresh quality food; excellent accommodations and national and international events. You'll feel proud to say you work in the Nevada Tourism, Gaming and Hospitality industry.

Do you like working with people? Enjoy working as part of a team? Value working in a friendly environment? Want a job that can take you all over the world? The Tourism, Gaming and Entertainment sector may offer a career for you.

How to learn more:

- » Explore this and other industries at www.nvcis.intocareers.org
- » Find out if a job will pay your bills using the Reality Check at www.nvcis.intocareers.org
- » Search for all the training programs in Nevada, schools and other information regarding career or education options in Nevada by exploring <http://www.nevadayouth.org/>

How do I get started in Tourism, Gaming and Entertainment?

- » Explore careers you might be interested in at Connect with NCIS at www.nvcis.intocareers.org
- » Explore careers and employment possibilities at www.NevadaYouth.org.
- » Do you know anyone who works in tourism, gaming or entertainment industry? Interview him/her and ask if you can visit his/her workplace.
- » Make a plan based on your interests. How much training do different jobs require? Where can you find the training you need? How will you pay for it? What steps can you take to get you closer to your goal?

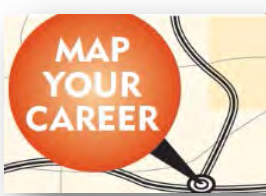
Career Paths in Tourism, Gaming and Entertainment:

Education Level	Hourly Wage Ranges* (25 th – 75 th percentile)	Food & Beverage	Hotel Operations	Gaming & Entertainment	Theme Parks & Attractions
HIGH LEVEL	Human Resource Manager \$34.71 - \$53.30	Restaurant Manager, Executive Chef, food Stylist, Food Writer, Culinary Arts Educator	General & Operations Manager, Human Resources Managers, Front Desk Managers	Managers (all departments), Talent Directors, Studio Head, Executive Producer, Virtualization Engineers	Park Manager, Wildlife manager, Environmental Engineer, Landscape Architects, Ecologist
MID LEVEL	Lodging Manager \$20.09 - \$56.86	Master Chef, Master Baker, Caterer, Food Service Supervisor, Production Manager	Hotel Supervisors, Front desk Supervisors, Executive Housekeeper	Gaming Floor Supervisors, Slot Technician, Entertainers and Performers, Multi-Media Artists, Audio-Video Designer, Game Developer	Park Naturalist, Animal Control Workers, Golf Course Superintendent, Range Technician, Landscape Designer
ENTRY LEVEL	Host & Hostess (Restaurant & Lounge) \$8.62 - \$15.61	Waiters /Waitresses, Food Preparation Workers, Assistant, Cooks, Cake Decorator, Bus Person, Banquet Server	Room Services Attendant, Hotel/Motel/ Resort Desk Clerks, Baggage Porters & Bellhops, Valet Attendant, Housekeeper	Gaming Dealers, Slot Attendants, Entertainment Attendants, Desktop Publisher, Business Publication Specialist, Usher, Lobby Attendants & Ticket Takers	Amusement Park Attendants, Landscaping & Grounds keeping Workers, Receptionists & Information Clerk

*For info on wage ranges visit – Nevada Workforce Informer at <https://nvcis.intocareers.org>.

Note: The colors for career path aligns with the CTE classes available in the school.

Our mission is to provide Nevada's businesses with access to a qualified workforce and encourage equal employment opportunities.



Tourism, Gaming & Entertainment

Learn how to map your education and find path to success!

Classes to take for different Programs of Study in Tourism, Gaming & Entertainment:

High School	9 th Grade	10 th Grade	11 th Grade	12 th Grade	Post Secondary
» Base course schedule that students will take in high school:	English I	English II	English III	English IV	College of Southern Nevada Great Basin College Nevada State College Truckee Meadows Community College University of Nevada, Las Vegas University of Nevada, Reno Western Nevada College
	Algebra I	Geometry	Algebra II	Senior Level Math Course	
	Biology	Chemistry or Geoscience	Junior Level Science Course	Elective	
	Health / Computer Literacy	World History	US History	US Government	
	Physical Education	Physical Education	Foreign Language or Elective	Foreign Language or Elective	

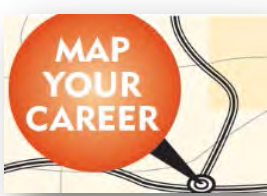
» Recommended classes for selected career paths in Tourism, Gaming & Entertainment:

Industry Recognized Certifications:

Baking & Pastry	Culinary Arts I	Baking & Pastry I	Baking & Pastry II	Baking & Pastry Adv. Study	Certified Professional Food Handler, Health Department Food Service Safety, Certified Pastry Culinarian Certified Food Associate, Certified Journey Baker, National Restaurant Association Baking
Culinary Arts:	Culinary Arts I	Culinary Arts II	Culinary Arts III	Culinary Arts Adv. Studies	Certified Professional Food Handler, Health Department Food Service Safety, ProStart Certificate of Achievement I & II, National Restaurant Association Cooking re-PAC Culinary Arts
Hospitality & Tourism:	Hospitality & Tourism I	Hospitality & Tourism II	Hospitality & Tourism III	Hospitality & Tourism Adv. Studies	Skills, Tasks, and Results, Training (START) program, Certified Hospitality & Tourism Management Professional, ServSafe TIPS Certification
Web Design & Development:	Web Design & Dev. I	Web Design & Dev. II	Web Design & Dev. III	Web Design & Dev. Adv. Studies	CIW Site Dev. Associate, Adobe Certificate Associate: Flash, Dreamweaver, Photoshop
Photography:	Photography I	Photography II	Photography III	Photography Adv. Studies	Adobe Certificate Associate
Video Production:	Video Production I	Video Production II	Video Production III	Video Production Adv. Studies	Adobe Certificate Associate, Apple Certified Pro
Radio Production:	Radio Production I	Radio Production II	Radio Production III	Radio Production Adv. Studies	
Marketing:	Principles of Business & Mkt.	Marketing I	Marketing II	Marketing Adv. Studies	
Sports & Entertainment:	Principles of Business & Mkt.	Sports & Entertainment Mkt. I	Sports & Entertainment Mkt. II	Sports & Mat. Adv. Studies	
Natural Resources & Wildlife Management:	Agriculture I	Agriculture II	Natural Resources & Wildlife Management	Natural Resources & Wildlife Management Adv. Studies	Hunter Safety Card
Landscaping Design & Management	Horticulture Science or Ag. Science I	Landscape Design I	Landscape Design II	Landscape Design Adv. Studies	Worker Protection Handler verification, Landscape Certified Technician, Certified Lawn Care Technician

This program of study is based upon the requirements needed for an Advanced Diploma. Academic course names may vary among school districts. For detail information please visit: <http://cteae.nv.gov/>

Note: the colors for career path aligns with the CTE classes available in the school.
Our mission is to provide Nevada's businesses with access to a qualified workforce and encourage equal employment opportunities.



Logistics & Operations

Learn how to map your career and find path to success!



Why do we need Logistics?

There is a broad variety of occupational pathways within the Logistics and Distribution cluster from designing to planning to carrying out the Logistics & Distribution for products and services.

Road, rail, plane, ship and even delivery of “virtual” products and services demand timely and 100 % accurate delivery. Logistics, the second largest employment sector in the United States – offers excellent salaries, opens doors, and provides advancement opportunities both within the industry and across other industry clusters.

No matter your education level there is a career for you in the logistics field. This is an industry that has entry level positions (Forklift operators, material handlers, truck drivers), mid-level positions (Operations managers, logistics analysts, purchasing agents) and of course upper management as well.

How to learn more:

- » Explore this and other industries at www.nvcis.intocareers.org
- » Find out if a job will pay your bills using the Reality Check at www.nvcis.intocareers.org
- » Search for all the training programs in Nevada, schools and other information regarding career or education options in Nevada by exploring <http://www.nevadayouth.org/>

How do I get started in Logistics?

Keep your grades up in high school. Take math, technology and science classes.

» Explore careers you might be interested in at Connect with NCIS at www.nvcis.intocareers.org

» Explore careers and employment possibilities at www.NevadaYouth.org.

» Do you know anyone who works in logistics and operations industry? Interview him/her and ask if you can visit his/her workplace.

» Make a plan based on your interests. How much training do different jobs require? Where can you find the training you need? How will you pay for it? What steps can you take to get you closer to your goal?

This dynamic growing industry needs skilled people. The career opportunities available are diverse and new opportunities continue to emerge as the industry grows.

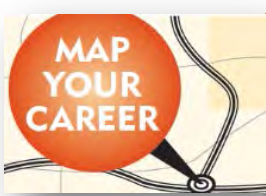
Career Paths in Logistics and Operations:

Education Level	Hourly Wage Ranges* (25 th – 75 th percentile)	Transportation	Skilled & Technical Services	Computer & Information Technologies	Distribution, Business Management & Marketing
HIGH LEVEL	Supply Chain Manager \$35.04 - \$57.36	Parts & Services Managers, Transportation Engineers, Storage & Transportation Managers	Production Process Engineers, Electrical Equipment Engineers, Electronic Engineers	Software Developer, Engineer, Programmer, Database Administrator., Web Master	Industrial engineers, Logisticians, Distribution & Operations Managers, Statisticians, Project Manager
MID LEVEL	Shipping & Receiving Clerks \$11.15 - \$18.09	Diesel Equipment Specialist, Parts Specialist, Automotive Machinists, Diesel Machine Mechanics, Industrial Truck Operators	Production, Planning and Expediting Clerks, Heating, Ventilation, Air Conditioning and Refrigeration Mechanics	Software Application Specialist, System Analyst, Database Developer, Website Developer	First Line Supervisors of Helpers, Laborers and Material Movers, Cargo & Fright Agents, Research Specialists
ENTRY LEVEL	Order Fillers \$9.00 - \$14.72	Diesel Svc Tech., Automotive Specialty Tech., Electrical/Electronic Tech., Mobile Equipment Tech., Crane and Heavy Equipment Operators	Heating, Ventilation, Air Conditioning and Refrigeration Installer< instrument Control Tech., Communication System Tech.	Data Modeler, Search Engine Mkt. Specialist, Database Tech., Business Database Tech.	Field Marketing representatives, Shipping & receiving Clerks, Helpers, Laborers and Material Movers

*For info on wage ranges visit – Nevada Workforce Informer at <https://nvcis.intocareers.org>.

Note: The colors for career path aligns with the CTE classes available in the school.

Our mission is to provide Nevada's businesses with access to a qualified workforce and encourage equal employment opportunities.



Logistics & Operations

Learn how to map your education and find path to success!

Classes to take for different Programs of Study in Logistics & Operations:

High School	9 th Grade	10 th Grade	11 th Grade	12 th Grade	Post Secondary
» Base course schedule that students will take in high school:	English I	English II	English III	English IV	College of Southern Nevada Great Basin College Nevada State College Truckee Meadows Community College University of Nevada, Las Vegas University of Nevada, Reno Western Nevada College
	Algebra I	Geometry	Algebra II	Senior Level Math Course	
	Biology	Chemistry or Geoscience	Junior Level Science Course	Elective	
	Health / Computer Literacy	World History	US History	US Government	
	Physical Education	Physical Education	Foreign Language or Elective	Foreign Language or Elective	

» Recommended classes for selected career paths in Logistics & Operations:

Industry Recognized Certifications:

Automotive Technology:	Automotive Technology I	Automotive Technology II	Automotive Technology III	Automotive Technology Adv. Studies	Automotive/Light Truck (A1-A8), CareerSafe
Collision Repair Technology:	Collision Repair Technology I	Collision Repair Technology II	Collision Repair Technology III	Collision Repair Technology Adv. Studies	Collision repair (B2-B5), CareerSafe
Diesel Equipment Technology:	Diesel Technology I	Diesel Technology II	Diesel Technology III	Diesel Technology Adv. Studies	Medium/Heavy Truck (T1 – T8), CareerSafe (OSHA)
Electronic Technology:	Electronic Technology I	Electronic Technology II	Electronic Technology III	Electronic Technology Adv. Studies	CareerSafe (OSHA), J-STD-001 (IPC Cert.), Student Electronic Technician (ETYA)
Mechanical Technology:	Mechanical Technology I	Mechanical Technology II	Mechanical Technology III	Mechanical Technology Adv. Studies	CareerSafe (OSHA), Core Curriculum (NCCE)
HVACR:	AC & Refrigeration I	AC & Refrigeration II	AC & Refrigeration III	AC & Refrigeration Adv. Studies	HEAT, AHRI Certifications CareerSafe (OSHA)
Computer Science:	Computer Science I	Computer Science II	Computer Science III	Computer Science Adv. Studies	
Database Design:	Database Design I	Database Design II	Database Design III	Database Design Adv. Studies	Oracle Certified Associates
Web Design & Development:	Web Design & Development I	Web Design & Development II	Web Design & Development III	Web Design & Development AS	CIW Site Developer Associate, Adobe Certified Associate
Business Management:	Principles of Business & Mkt.	Business Management I	Business Management II	Business Management AS	Project Management
Marketing:	Principles of Business & Mkt.	Marketing I	Marketing II	Marketing Adv. Studies	

This program of study is based upon the requirements needed for an Advanced Diploma. Academic course names may vary among school districts. For detail information please visit: <http://cteae.nv.gov/>

Note: the colors for career path aligns with the CTE classes available in the school.
Our mission is to provide Nevada's businesses with access to a qualified workforce and encourage equal employment opportunities.

Agriculture

Learn how to map your career and find path to success!

Why Agriculture?

Agriculture will have to be one of the most innovative and fast paced industries in order to produce twice as much food on less land.

Because the demand for agricultural specialists throughout the nation in both urban and rural areas is high, there are more job openings than there are qualified applicants. Within the Agriculture sector are some of the fastest-growing and/or highest-wage occupations such as agricultural marketing and sales personnel, finance, agricultural engineers, laboratory and research technicians, animal reproduction specialists, environmental scientists, landscape and turf managers, and pest management specialists or you can manage family or corporate farm operations.

Agricultural jobs are available at the entry level for people with short-term training or on the job training. However, jobs paying more usually require a 2 and/or 4 year degree.

How to learn more:

- Explore this and other industries at www.nvcis.intocareer.org
- Find out if a job will pay your bills using the Reality Check at www.nvcis.intocareers.org
- Search for all the training programs in Nevada, schools and other information regarding career or education options in Nevada by exploring <http://www.nevadayouth.org/>



Why consider agriculture as career in Nevada? Agriculture is the world's largest economic sector. It may sound basic, but people like to eat. There will be about 3 billion more people who like to eat by the time you are ready to retire

How do I get started in Agriculture?

- » Keep your grades up in high school. Take math, technology and science classes.
- » Explore careers you might be interested in at Connect with NCIS at www.nvcis.intocareers.org
- » Explore careers and employment possibilities at www.NevadaYouth.org.
- » Do you know anyone who works in agriculture industry? Interview him/her and ask if you can visit his/her workplace.
- » Make a plan based on your interests. How much training do different jobs require? Where can you find the training you need? How will you pay for it? What steps can you take to get you closer to your goal?

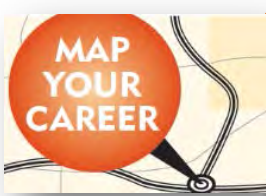
Career Paths in Agriculture:

Education Level	Hourly Wage Ranges* (25 th – 75 th percentile)	Agriculture Mechanical Technology	Animal & Medical Science	Ag. Business Systems & Natural Resources Management	Horticulture
HIGH LEVEL	Veterinarians \$33.18 - \$60.93	Agriculture Engineer, Equipment Parts Manager	Animal Geneticist, Animal Scientist, Reproductive Physiologist, Veterinarian	Ag. Economist, Farm Manager, Ag. Communication Specialist, Wildlife & Park Manager	Landscape Architect & Designer, Botanist, Plant Pathologist, Plant Breeder & Geneticist, Floral Shop Manager
MID LEVEL	Veterinary Technologists & Technicians \$11.60 - \$19.19	Machinist, Welder, Heavy Equipment Maintenance Mechanic	Biology Lab Technician, Embryo Transfer Technician, Veterinary Technician	Sales Manager, Crop Insurance Adjuster, Education & Ext. Specialist, Fish & Game Officer	Turf Farm Manager, Plant Researcher, Floral Shop Supervisor, Floral Production Supervisor
ENTRY LEVEL	Veterinarian Assistant \$9.21 - \$16.00	Tractor Technician, Farmer, Concrete Finisher, Heavy Equipment Technician	Animal Caretaker, Veterinary Assistant	Surveyor, Legislative Intern, Range Tech	Golf Course Maintenance Technician, Arborist, Biology Lab Tech, Floral Designer

*For info on wage ranges visit – Nevada Workforce Informer at <https://nvcis.intocareers.org>.

Note: The colors for career path aligns with the CTE classes available in the school.

Our mission is to provide Nevada's businesses with access to a qualified workforce and encourage equal employment opportunities.



Agriculture

Learn how to map your education and find path to success!

Classes to take for different Programs of Study in Agriculture:

High School	9 th Grade	10 th Grade	11 th Grade	12 th Grade	Post Secondary
» Base course schedule that students will take in high school:	English I	English II	English III	English IV	College of Southern Nevada Great Basin College Nevada State College Truckee Meadows Community College University of Nevada, Las Vegas University of Nevada, Reno Western Nevada College
	Algebra I	Geometry	Algebra II	Senior Level Math Course	
	Biology	Chemistry or Geoscience	Junior Level Science Course	Elective	
	Health / Computer Literacy	World History	US History	US Government	
	Physical Education	Physical Education	Foreign Language or Elective	Foreign Language or Elective	

» Recommended classes for selected career paths in Agriculture:

					Industry Recognized Certifications:
Ag. Mechanical Engineering Technology (MET) Equipment Fabrication Systems:	AgMET I	AgMET II	AgMET Fabrication Systems	AgMET Adv. Studies	CareerSafe, AWS Certified Welder
AgMET Power Systems:	AgMET I	AgMET II	AgMET Power Systems	AgMET Adv. Studies	CareerSafe, AWS Certified Welder
AgMET Structural Systems:	AgMET I	AgMET II	AgMET Structural Systems	AgMET Adv. Studies	CareerSafe, AWS Certified Welder
Animal Sciences:	Animal Science I	Animal Science II	Animal Science	Animal Science Adv. Studies	Beef Quality Assurance; Youth Pork Quality Assurance
Equine Sciences:	Agricultural Science I	Agricultural Science II	Equine Science	Equine Science Adv. Studies	
Veterinary Sciences:	Agricultural Science I or Veterinary Science I	Agricultural Science II or Veterinary Science II	Veterinary Science III	Veterinary Science Adv. Studies	
Ag. Business Systems:	Agriculture Science I	Agriculture Science II	Agriculture Business	Agriculture Business Adv. Studies	
Agriculture Leadership, Community & Policy:	Agriculture Science I	Agriculture Science II	Agriculture LCP	Agriculture LCP Adv. Studies	Certified Parliamentarian
Natural Resources & Wildlife:	Agriculture Science I	Agriculture Science II	Natural Resources & Wildlife Mgmt.	Natural Resources & Wildlife Mgmt. Adv. Studies	Hunter Safety Card
Environmental Management:	Environmental Management I	Environmental Management II	Environmental Management III	Environmental Mgmt. Adv. Studies	
Landscape Design & Mgmt:	Horticulture or Ag. Science I	Landscape Design I	Landscape Design II	Landscape Design Adv. Studies	Pesticide Applicator License, Landscape Ind. Certified Tech. and Lawn Care Tech
Ornamental Horticulture/Green House:	Ag. Science I or Horticulture Science	Plant Science or Ornamental Horticulture	Greenhouse Management	Greenhouse Mgmt. Adv. Studies	Worker Protection Handler Pesticide Application License
Floriculture Design & Mgmt:	Ag. or Horticulture Science	Plant Science and Ornamental Horticulture	Floriculture	Floriculture Adv. Studies	Worker Protection Handlers Card, Certified Floral Designer

This program of study is based upon the requirements needed for an Advanced Diploma. Academic course names may vary among school districts. For detail information please visit: <http://cteae.nv.gov/>

Note: the colors for career path aligns with the CTE classes available in the school.
Our mission is to provide Nevada's businesses with access to a qualified workforce and encourage equal employment opportunities.