



2021-22 Program Guide



Will you be the next face of NEWTech?

**FIND YOUR PASSION.
LEARN. WORK. EARN.**



2021-22 Year-long Preparatory Level Courses

All NEWTech courses are approved by OSPI, consortium member school districts, and business/industry representatives serving on our General or Program Specific Advisory Committees

Skilled Trades

Automotive Technology

Automotive Collision Repair

Construction Technology

Drone Manufacturing and Aviation Science

Energy and Power

Project Management

Welding Technology

Health Careers

Pre-Dental Assisting

Pre-Medical Assisting

Pre-Pharmacy Tech

Pre-Nursing Assisting

Pre-Veterinary Assisting

Professional Services

Animation and Special Effects

Cosmetology (Hair Design)

Criminal Justice (Law Enforcement)

Culinary Arts

Graphic Design and Digital Media

Translation and Interpretation

NEWTech courses are worth 3.0 credits (1.5 credits per semester) and may be taken by juniors or seniors.



NEWTech

Tuition-free career training in high school

2021-22 Course Catalog

Course Listings

Full Year 540 hr Preparatory-Level Courses	Prerequisite	Grade Level	Equivalency
Animation Technology and Special Effects	No	11, 12	Math
Automotive Collision Repair 1	No	11, 12	None
Automotive Collision Repair 2	Yes	12	None
Automotive Technology 1	No	11, 12	Math
Automotive Technology 2	Yes	12	None
Construction Technology 1	No	11, 12	Math
Construction Technology 2	Yes	12	None
Cosmetology 1	No	11, 12	None
Cosmetology 2	Yes	12	None
Criminal Justice 1	No	11, 12	None
Criminal Justice 2	Yes	12	None
Culinary Arts and Hospitality 1	No	11, 12	Science
Culinary Arts and Hospitality 2	Yes	12	None
Drone Manufacturing and Aviation Science	No	11, 12	None
Energy and Power	No	11, 12	None
Graphic Design and Digital Arts 1	No	11, 12	Art
Graphic Design and Digital Arts 2	Yes	12	None
Pre-Dental Assisting 1	No	11, 12	Science
Pre-Dental Assisting 2	Yes	12	None
Pre-Medical Assistant	No	11, 12	Science
Pre-Nursing Assistant	No	11, 12	Science
Pre- Pharmacy Technician	No	11, 12	None
Pre-Veterinarian Assistant 1	No	11, 12	Science
Pre-Veterinarian Assistant 2	Yes	12	None
Project Management	No	11, 12	None
Translation and Interpretation	No	11, 12	None
Welding Technology 1	No	11, 12	None
Welding Technology 2	Yes	12	None
Summer Academy Exploratory Courses			
Introduction to Aerospace and Aviation Science	No	9 thru 12	None
Introduction to Animation and Special Effects	No	9 thru 12	None
Introduction to Architecture, Construction, and Engineering	No	9 thru 12	None
Introduction to Baking	No	9 thru 12	None
Introduction to Basic Auto Body Collision Repair	No	9 thru 12	None
Introduction to Basic Car maintenance	No	9 thru 12	None
Introduction to Criminal Justice	No	9 thru 12	None
Introduction to Digital Media	No	9 thru 12	None
Introduction to Food and Fitness	No	9 thru 12	None
Introduction to Hair Design	No	9 thru 12	None
Introduction to Health Careers	No	9 thru 12	None
Introduction to Energy and Power	No	9 thru 12	None
Introduction to Music and Audio Production	No	9 thru 12	None
Introduction to Veterinarian Assistant	No	9 thru 12	None
Introduction to Welding	No	9 thru 12	None

NEWTech Enrollment Timelines

Mid-Year Enrollment (Second Semester—February 2021)

- Applications Accepted December 2020 - January 2021
- Application is electronic and available on our website @ www.ConnectWithNEWTech.com
- We will accept mid-year applications for all of our 2020-21 programs— placement will be made as seats open in our programs (some programs may not have open seats)
- Second Semester starts February 2, 2021
- ***Please note NEWTech classes are year-long and do not restart at the beginning of second semester.***
- Students placed mid-year must participate in our mid-year virtual orientation— dates and times to be determined

2021-22 Enrollment

- Applications Accepted February 2021 - August 2021
- Application is electronic and will be available on our website @ www.ConnectWithNEWTech.com beginning on February 8, 2021.

Summer Academy 2021

- Applications Accepted May 2021
- Application is electronic and will be available on our website @ www.ConnectWithNEWTech.com beginning on May 1, 2021.
- Students entering grades 9-12 in Fall of 2021 are eligible to participate in our Summer Academy
- Students placed in a NEWTech program for 2021-22 will receive priority placement in our Summer Academy 2021



3.0 credit

CTE 3.0

May be an Occupational Education course that meets the definition of a preparatory course as described in the [CTE program standards](#).



Equivalency Credit

Many NEWTech courses meet academic requirements including state and district graduation requirements. Full or partial academic credit is earned for NEWTech equivalency courses.

All NEWTech courses are approved by OSPI, consortium member school districts, and business/industry representatives serving on NEWTech general or program specific Advisory Committees.

NEWTech serves students from Central Valley, Cheney, Deer Park, East Valley, Freeman, Mead, Medical Lake, Nine Mile, Riverside, Spokane, and West Valley School Districts as well as home-schooled students and students who attend private school.



NEWTech meets your CTE Pathway to Graduation!



NEWTech offers you a distinct advantage. The Washington State Legislature created eight graduation options for students starting in 2020 and NEWTech programs satisfy the CTE Pathway to Graduation.

TALK TO YOUR COUNSELOR TODAY!



NEWTech offers YOU a distinct advantage.

***Tuition Free Advanced Career Training
from Industry Experts!***

***Students Can Earn Industry Recognized
Certifications While in High School!***

***Students Stay Connected/Involved at
Their High School....Students Spend 1/2 Their Day
at NEWTech and the other 1/2 at Their High School!***

Students Can Earn College Credit at NEWTech!

***NEWTech Programs Satisfy the
CTE Pathway to Graduation!***



Stay Connected with NEWTech!

NEWTech Website:

www.ConnectWithNEWTech.com

For assistance with applying to NEWTech or if you have any questions, please contact us @

509-354-7470

NEWTech is located at:

4141 N Regal St. Spokane, WA 99207

Because of COVID 19 protocols, we are not able to schedule in person tours or shadow days. We do have links to program information, videos and to a virtual visitation on our website under:

Students/Registration/Welcome Wednesdays

Animation and Special Effects

In this 540 hr. course, students will learn the foundations of animation and special effects used in film and video production through a variety of hands-on experiences, demonstrations, and exercises. Students receive daily instruction and time to practice new skills in the elements of videography, stop-motion, 2-D and digital 3-D animation. Topics include: Scripting and Storyboarding; Composition for Film and Videography;

Lighting; Non-linear editing; Audio Recording and editing; Motion-Control; 2-D "Cel-type" animation; and 3-D Modeling, rigging and animation. Our class utilizes the most current software from Adobe Creative Cloud and Autodesk Maya. Come learn how to bring your imagination to the screen!



You might like this class if you.....

- work well with others
- can communicate effectively
- have good writing skills
- are responsible and reliable
- are organized
- are creative
- have an eye for design
- like to tell stories



You will learn.....

- Lighting for Video
- Digital Photography
- HD Digital Video & Cameras
- Writing Scripts
- Creating Storyboards
- Directing Video Productions
- Editing
- Layout and Printing



Course Length

One year only (no 2nd year option)

Prerequisites

11th or 12th grade status and a completed/ submitted enrollment application.

Credit 3.0 (1.5/semester) **Credit Types** Math, CTE, Elective **College Credit?** None available

Industry Recognized Certifications: Employability Skills Certificate

Automotive Collision Repair

This 1080 hr, NATEF-approved, two-year course is designed to inform and instruct students in the basics of auto body repair. Instruction includes theory and techniques related to the process of welding, metal straightening and panel/body alignment on a variety of auto body industry materials including metal, glass and plastic. Students will learn effective customer relations and sales in multiple settings. Estimating damage and repair costs and procedures are key components in this course. The student will be prepared for entry-level employment in the auto body repair industry as an auto body repair technician.

You might like this class if you.....

- enjoy working with your hand
- are detail oriented
- like variety
- are creative
- are good at problem-solving
- like to work with tools
- are a hard worker

You will learn.....

- How to use industry standard tools and equipment
- Automotive body Disassembly and reassembly
- How to repair damaged vehicles
- MIG Welding
- Estimating
- Plastic Repair/ Plastic Welding
- Customer Service
- Color Matching and Color Blending

Course Length

One or two years (second year is optional)

Prerequisites

Collision Repair 1st Year: *11th or 12th grade status and a completed/submitted enrollment application.*

Collision Repair 2nd Year: *B or better in Collision Repair 1st year, instructor approval, and a completed/submitted enrollment application.*



Credit 3.0 (1.5/semester)

Credit Types CTE, Elective

College Credit? Yes

Industry Recognized Certifications: ASE Collision Repair & Refinishing, Precision Exams - Collision Repair, SP2 Safety, and SP2 Pollution Prevention

Automotive Technology

This 1080-hour (Year 1 and 2) NATEF/AYES accredited course offers entry-level employment skills for students. The program consists of three phases, each taught by ASE certified technicians with many years of automotive repair and diagnostic experience. Classrooms and shops are equipped with state-of-the-art equipment and training tools. Industry partners offer input regarding the training needs of today's entry-level technicians. The program also focuses on career readiness skills that are necessary for the student's professional development. Summer internships and job placement opportunities may be available to top students. A second year of training is available and concentrates on live work and advanced training.

You might like this class if you.....

- can work independently
- are detail oriented
- like to fix things
- work with accuracy
- are good at problem-solving
- have good reading skills
- are mechanically inclined

You will learn.....

- Occupational Health and Safety/ Hazmat
- Tools and equipment
- Brakes
- Suspension and Steering
- Electrical/Electronics Systems
- Engine Repair
- Engine Performance
- Heating & Air Conditioning
- Manual Trans & Drive Train
- Automatic Transmission

Course Length

One or two years (second year is optional)

Prerequisites

*** Automotive Technology 1st Year:** *11th or 12th grade status and a completed/submitted enrollment application.*

Automotive Technology 2nd Year: *B or better in Automotive Technology 1st year, instructor approval, and a completed/submitted enrollment application.*



Credit 3.0 (1.5/semester)

Credit Types Math*, CTE, Elective

College Credit? Yes

Industry Recognized Certifications: First Aid, and Automotive Service Excellence (ASE) Certifications

Construction Trades

In this 1080 hr. program (Year 1 and 2) students learn will learn the fundamentals of residential construction, blueprint reading, building methods, project management, cost estimating and many other skills during the first year program. Students work in crews to accomplish projects and problem solve.



In addition to carpentry, students will be exposed to a variety of construction trades and career opportunities. The class focuses on academic, technical skills, and employability practices. Students will develop personal and professional skills in the classroom that will transfer to the workplace.

You might like this class if you

- have good math skills
- like to build things
- enjoy working outside
- are good at problem-solving
- work well as a team member
- are mechanically inclined
- understand measurements



You will learn.....

- Blueprint Reading
- Finish Carpentry
- Building Materials
- Insulation
- Roofing
- Estimating
- Concrete
- Siding
- Rough Carpentry
- Equipment Usage
- Safety

Course Length

One or two years (second year is optional)

Prerequisites

***Construction Trades 1st Year:** *11th or 12th grade status and a completed/submitted enrollment application.*

Construction Trades 2nd Year: *B or better in Construction Trades 1st year, instructor approval, and a completed/submitted enrollment application.*

Credit 3.0 (1.5/semester) **Credit Types** Math*, CTE, Elective **College Credit?** No

Industry Recognized Certifications: OSHA 10, First Aid/CPR, Flagger, Forklift and Pneumatic Tools

Cosmetology (Hair Design)

This 1080-hour (Year 1 and 2) offers students the opportunity to earn hours towards the 1,400 hours required by Washington State for a hair design certificate. The course consists of both lecture and lab periods in all phases of theory and science of cosmetology.

Personality traits of successful Cosmetologists.....

- Passion for people

You will probably love working in the beauty industry if you enjoy being around a diverse group of people, making an impact on others' lives.

- Creative

Having an artistic eye can help cosmetologists provide outstanding hairstyles and looks!

- Hands-on worker

If you enjoy being physically busy and creating things with your hands, cosmetology is the right pick for you!

- Listening skills

Good listeners can be naturally talented cosmetologists because they can give the client exactly what they want!

- Adaptive

Good hairstylists are skilled at personalizing their services to match the needs of their client at all times.



You will learn.....

- Infection Control
- Anatomy & Physiology
- Trichology
- Principles of Hair Design and Hair Coloring
- Scalp Care
- Hair styling and cutting
- Chemical Texturizing

Course Length

One or two years (second year is optional)

Prerequisites

Cosmetology 1st Year: 16 years of age, 11th or 12th grade status and a completed/submitted enrollment application.

Cosmetology 2nd Year: B or better in Construction Trades 1st year, instructor approval, and a completed/submitted enrollment



Credit 3.0 (1.5/semester)

Credit Types CTE, Elective

College Credit? Yes

Industry Recognized Certifications: Hours toward WA State Hair Design Certificate

Criminal Justice (Law Enforcement)

In this 1080-hour (Year 1 and 2) students receive an overview of the criminal justice system, law enforcement, community policing, criminal acts and their impacts on society, the U.S. Constitution, criminal codes, and problem solving skills as well as physical training weekly. In the second year program, students take a leadership role in the classroom.

You may like this class if you

- have good reading, writing, and speaking skills
- are detail-oriented
- work well under pressure
- are organized
- like to work with people
- like social studies/government
- are good at problem-solving
- want to serve your community



Area of focus

- Investigative Procedures
- Police Proficiency Skills
- Evolution of Law Enforcement
- Safety Precautions n Local/Government Services
- First Aid Procedures
- Corrections Systems
- Physical Fitness Training
- US Constitution
- Employability Skills

Course Length

One or two years (second year is optional)

Prerequisites

Criminal Justice 1st Year: *11th or 12th grade status and a completed/submitted enrollment application.*

Criminal Justice 2nd Year: *B or better in Criminal Justice 1st year, instructor approval, and a completed/submitted enrollment application.*



Credit 3.0 (1.5/semester)

Credit Types CTE, Elective

College Credit? Yes

Industry Recognized Certifications: First Aide/CPR, National Incident Command Certificates

Culinary Arts

This 1080-hour (Year 1 and 2) program teaches all phases of restaurant operation from serving to food preparation. Students operate an on-campus restaurant; learn safety/sanitation practices, operation/care of commercial equip., food prep/display, food/beverage service, host/cashier, hospitality, banquet set up/catering, purchasing, product measure/receiving/storage, costing/menu planning, and nutrition/recipe development.

You may like this class if you

- can do several things at once
- are detail-oriented
- are creative
- are friendly
- like to work with people
- enjoy working on your feet
- are good at problem-solving



Area of focus

- Sanitation and Safety
- Basic and Advanced Cooking
- Culinary Science
- Guest Relations
- Sustainability and Nutrition
- Marketing/Entrepreneurship
- ServSafe Sanitation
- Baking and Pastry
- Cost Control/Culinary Math
- Management
- Employability
- Career & Prof. Development

Course Length

One or two years (second year is optional)

Prerequisites

*** Culinary Arts 1st Year:** 11th or 12th grade status and a completed/submitted enrollment application.

Culinary Arts 2nd Year: B or better in Culinary Arts 1st year, instructor approval, and a completed/submitted enrollment application.



Credit 3.0 (1.5/semester)

Credit Types Science*, CTE, Elective

College Credit? Yes

Industry Recognized Certifications: WA State Food Handler's Permit, ServSafe Certification, and Mandatory Alcohol Server Training

Drone Manufacturing and Aviation Science

Interested in a career with unlimited possibilities? Do you like to design and build things? The 1080 hr. (Year 1 and 2) Drone Manufacturing program may be right for you. Prepare for two of the fastest growing industries including manufacturing and unmanned aviation. In this program you will learn how to:

- Design, manufacture and assemble a drone using Core+ manufacturing curriculum
- Become FAA certified as an unmanned aviation pilot
- Work with industry professional

You may like this class if you

- have good hand/eye coordination
- are detail-oriented
- are neat and organized
- understand measurements
- like working with your hands
- are good at problem-



Area of focus

- Safety
- Design, build and operate systems
- Understand, design and implement mission dynamics and protocols
- Understand and implement practical application of equipment
- Understand and implement the engineering process and life cycle
- Manufacturing
- Aviation Science
- Quality management systems (ISO standards)
- Troubleshooting process and refinement
- Certified with FAA Part 107 Drone Operator's License



Course Length

One or two years (second year is optional)

Prerequisites

Drone Manufacturing 1st Year: 11th or 12th grade status and a completed/submitted enrollment application.

Drone Manufacturing 2nd Year: B or better in Drone Manufacturing 1st year, instructor approval, and a completed/submitted enrollment application.



Credit 3.0 (1.5/semester)

Credit Types CTE, Elective

College Credit? No

Industry Recognized Certifications: OSHA 10, CPR/First Aid, FAA Unmanned Aviation Pilot

Energy and Power

In this 1080-hour (Year 1 and 2) program students analyze energy sources and explore the generation, transmission, and distribution of electricity using the Energy Industry Fundamentals modules from the Center for Energy Workforce Development (CEWD). Students also learn to design and install typical commercial and residential electrical installations.



You may like this class if you

- like to work with numbers
- are detail-oriented
- like to work with your hands
- are organized
- are mechanically inclined
- enjoy working on your feet
- are good at problem-solving

Area of focus

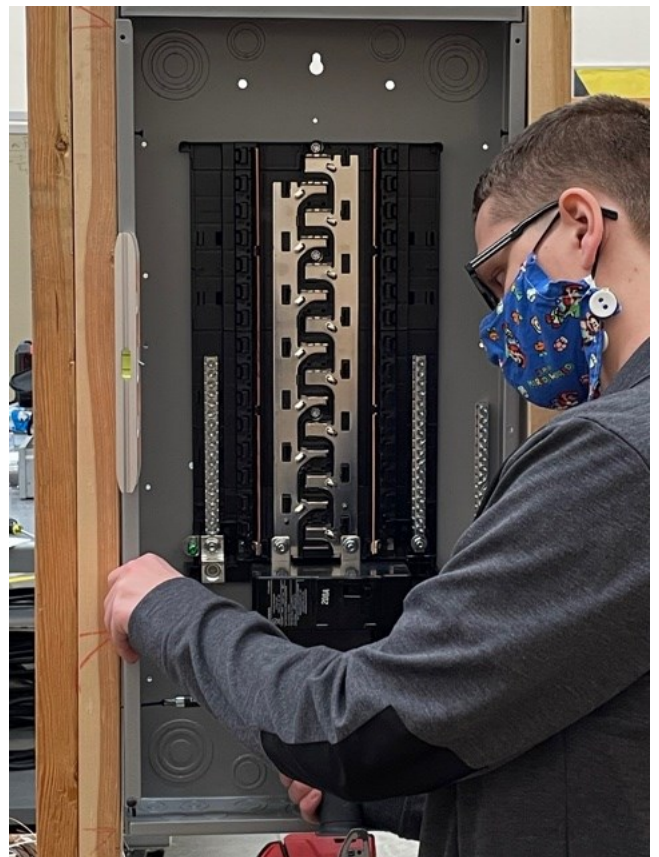
- Safety in the Workplace
- Basic Electrical Theory
- Residential Wiring Methods
- Commercial Wiring Methods
- Industrial Control Wiring
- Power Transmission
- Electrical Generation

Course Length

One year only (no 2nd year option)

Prerequisites

Energy and Power: 11th or 12th grade status and a completed/submitted enrollment application.



Credit 3.0 (1.5/semester)

Credit Types CTE, Elective

College Credit? No

Industry Recognized Certifications: Energy Industry Fundamentals Certificate, Interim Credentials Apprenticeship Certificate

Graphic Design and Digital Media

This 1080-hour course (Year 1 and 2) allows students to learn about a variety of careers within the Graphic Design field and demonstrate basic technical skills required of a Graphic Designer. The classroom environment emulates the professional environment of the Graphic Design industry setting, and all students engage in hands-on learning.

You may like this class if you

- are imaginative and innovative
- are detail-oriented/can problem solve
- can meet deadlines
- can generate ideas
- are artistic
- like to work with people
- like working on computers and using technology



Area of focus

- Lettering/Typography
- Illustration with Different Media
- Proportions and Grids
- Creative Thinking Exercises
- Designing
- Color Use and Applications
- Scanning and Digital Touchups
- Layout n Printing Processes
- Copywriting
- Adobe Illustrator
- Adobe Photoshop



Course Length

One or two years (second year is optional)

Prerequisites

***Graphic Design 1st Year:** *11th or 12th grade status and a completed/submitted enrollment application.*

Graphic Design 2nd Year: *B or better in Graphic Design 1st year, instructor approval, and a completed/submitted enrollment application.*



Credit 3.0 (1.5/semester)

Credit Types Art*, CTE, Elective

College Credit? Yes

Industry Recognized Certifications: Portfolio

Pre-Dental Assisting

This 1080-hour course (Year 1 and 2) provides students preparation and internship for students who aspire to be dental assistants, dental hygienists, and dentists. Acquire chair-side assisting skills, laboratory, and x-ray capabilities. Students in this program will learn professional standards and regulations, patient care, dental materials/science, chair-side assisting, fluoride treatments, radiology (x-ray), impressions/models, office/interview skills and human relations.



You may like this class if you

- want a career in the dental field
- are detail-oriented
- can think on your feet
- are organized
- communicate effectively
- work with accuracy

Area of focus

- Medical/Dental Terminology
- Dental Hygiene and Prevention
- Sterilization
- Disease Prevention
- Dental Radiology
- Oral Anatomy
- Identification of Teeth
- Charting of Teeth
- Dental Laboratory Procedures
- Chairside Dental Procedures
- Employability Skills



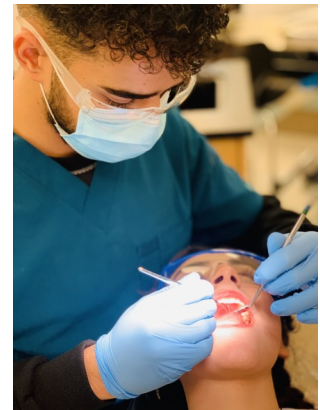
Course Length

One or two years (second year is optional)

Prerequisites

***Pre-Dental Assisting 1st Year:** *11th or 12th grade status and a completed/submitted enrollment application.*

Pre-Dental Assisting 2nd Year: *B or better in Pre-Dental Assisting 1st year, instructor approval, and a completed/submitted enrollment application.*



Credit 3.0 (1.5/semester)

Credit Types Science*, CTE, Elective

College Credit? Yes

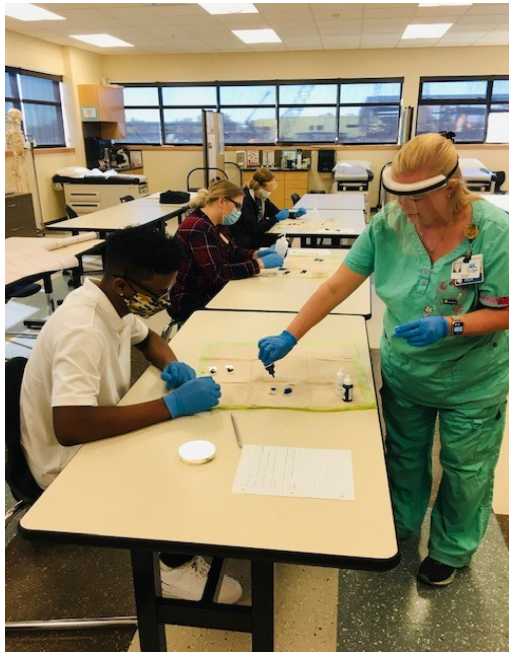
Industry Recognized Certifications: Healthcare Provider CPR/First Aid, Bloodborne Pathogens

Pre-Medical Assisting

In this 540 hr. course, students learn back office medical procedures. Topics include medical terminology, anatomy and physiology, lab procedures. Clinical training in hospitals, clinics, and doctors' offices is available. The class focuses on academic, technical skills, and employability practices. Students will develop personal and professional skills in the classroom that will transfer to the workplace. Students that are 18 years of age, when they complete this course, may apply for a pre-apprenticeship cohort with Providence Medical Group.

You may like this class if you

- have patience
- are detailed-oriented
- can think on your feet
- are organized
- like to work with people
- work well under pressure
- follow directions well
- like working on computers and technology



Area of focus

- Healthcare Environment
- Workplace Safety
- Legal/Ethical Standards
- Infection Control and Blood Borne Pathogens/HIV
- First Aid/CPR Certification
- Medical Terminology
- Vital Signs n Nutrition
- Assessment
- Wellness

Course Length

One year only (no 2nd year option)

Prerequisites

Energy and Power: *11th or 12th grade status and a completed/submitted enrollment application.*



Credit 3.0 (1.5/semester)

Credit Types Science, CTE, Elective

College Credit? Yes

Industry Recognized Certifications: CPR/First Aid, and Blood Borne Pathogens/HIV

Pre-Nursing Assisting

Students in this 540 hr. course learn about anatomy, physiology, medical terminology, basic safety and life saving procedures during the first year of this program. Successfully complete the program and take the state exam to become a Nursing Assistant Certified (NAC).



You may like this class if you

- have patience
- are compassionate and caring
- are detailed-oriented
- can think on your feet
- are organized
- like to work with people
- work well under pressure
- follow directions well
- enjoy science

Area of focus

- Healthcare Environment
- Workplace Safety
- Legal/Ethical Standards
- Infection Control
- First Aid/CPR Certification
- Basic Patient Care
- Medical Terminology
- Vital Signs
- Nutrition
- Assessment in Wellness
- Anatomy and Physiology



Course Length

One year only (no 2nd year option)

Prerequisites

Pre-Nursing Assisting: *11th or 12th grade status and a completed/ submitted enrollment application. Prior to the end of 1st semester, students need to have turned in a copy of their immunization record, and filled out a DSHS background check. Immunizations required: 2 Step Tuberculin skin test, Hepatitis B series, MMR, Tdap, Influenza is not required but highly recommended.*



Credit 3.0 (1.5/semester)

Credit Types Science*, CTE, Elective

College Credit? Yes

Industry Recognized Certifications: Healthcare Provider CPR/First Aid, Bloodborne Pathogens, Nursing Assistant Certified (NAC).

Pre-Pharmacy Technician

The 540 Hr. Pre-Pharmacy Technology program introduces students to the skills necessary for entry-level positions in retail, hospital and mail order pharmacies. Students will learn how to process prescriptions, prepare IV medications, order and stock medications as well as operate and troubleshoot automated drug dispensing systems. This program will provide a foundation for students who want to pursue a career as a pharmacy technician or pharmacist.

You may like this class if you

- are a good listener and communicator
- are detailed-oriented
- are organized
- like to work with people
- are patient
- follow directions well
- have an aptitude for math and technology



Area of focus

- Healthcare Environment
- Workplace Safety
- Legal/Ethical Standards
- Receive, prepare and dispense prescriptions
- Mix compound and IV medications
- Verify prescription information
- Maintain customer profiles and patient histories
- Math for pharmacy tech
- Medical terminology
- Pharmacy management software

Course Length

One year only (no 2nd year option)

Prerequisites

Pre-Pharmacy Tech: *11th or 12th grade status and a completed/submitted enrollment application.*



Credit 3.0 (1.5/semester)

Credit Types CTE, Elective

College Credit? No

Industry Recognized Certifications: Pharmacy Assistant; HIV/AIDS; First Aid/CPR

Pre-Veterinary Assisting

This 1080-hour course (Year 1 and 2) students learn anatomy and physiology, as well as animal health and disease, animal behavior, and client communication to prepare for employment in Veterinary careers. The class focuses are academic, technical skills, and employability practices. Students will develop personal and professional skills in the classroom that will transfer to the workplace.

You may like this class if you

- are organized
- are detail-oriented/can problem solve
- like animals
- enjoy science
- work well under pressure
- are good at problem-solving



Area of focus

- Introduction to Veterinary Profession: history, careers, responsibilities, laws, terminology
- Safety: warning indicators, blood borne pathogens/HIV
- Practical Knowledge: diagnostics, patient management, nutrition, euthanasia, vaccines, immunology, radiology, dentistry, laboratory, anesthesia, virology, behavior, diseases
- Surgical & Medical Procedures: instruments, wound care, bandaging, aseptic technique
- Pharmacology: terminology, math, common pharmaceuticals, government classifications
- Animal Welfare & Research: animal rights versus welfare, industry ethics
- Anatomy & Physiology and Process of Disease: disease processes of specific systems
- Professional Application & Externship



Course Length

One or two years (second year is optional)

Prerequisites

***Pre-Veterinary Assisting 1st Year:** *11th or 12th grade status and a completed/submitted enrollment application.*

Pre-Veterinary Assisting 2nd Year: *B or better in Pre-Veterinary Assisting 1st year, instructor approval, and a completed/submitted enrollment application.*

Credit 3.0 (1.5/semester)

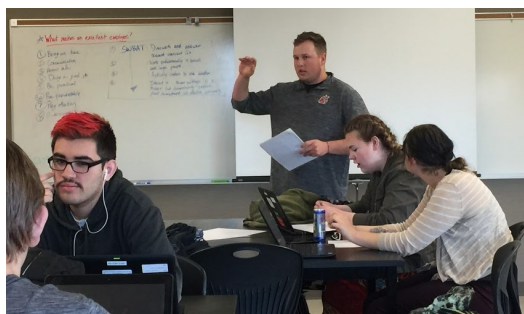
Credit Types Science*, CTE, Elective

College Credit? Yes

Industry Recognized Certifications:

Project Management

This course introduces project management from the standpoint of a manager who must organize, plan, implement, and control tasks to achieve an organization's schedule, budget, and performance objectives. Tools and concepts such as project charter, scope statement, work breakdown structure, project estimating, and scheduling methodologies are studied. We will even practice with Microsoft Project software to be able to manage a project from start to deployment! What is a project? How do you manage one? What is the best approach? You will learn the answers those questions and much more in this 540 hr course.



You may like this class if you

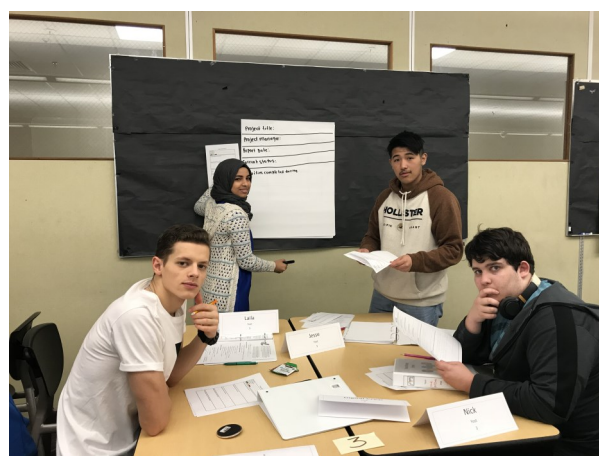
- are self motivated
- enjoy working with people
- are organized
- are interested in running a business or projects
- enjoy working in teams
- are open minded with challenges

Area of focus

- Marketing Foundations n Selling
- Promotion
- Financial Analysis
- Entrepreneurship
- Market Research
- Digital Marketing

Course Length

One year only (no 2nd year option)



Prerequisites

Project Management: *11th or 12th grade status and a completed/ submitted enrollment application.*



Credit 3.0 (1.5/semester)

Credit Types CTE, Elective

College Credit? No

Industry Recognized Certifications: Certified Associate in Project Management (CAPM)

Translation and Interpretation

If you have native fluency in a language other than English and enjoy helping people understand one another, then you may have what it takes for a career using your heritage language. In this 540-hour course, you will acquire the skills necessary to meet the growing need for Interpretation services in business and the community. Learn from professional interpreters in the industry.

You may like this class if you

- are proficient in English and one or more languages
- work well with others
- can communicate effectively
- have good writing skills
- are responsible and reliable

Area of focus

- fundamentals of interpreting language
- professional ethics required in a career setting
- ten-step translation process with text analysis
- exploration of vocational opportunities after high school and/or college with certification



Course Length

One year only (no 2nd year option)

Prerequisites

Translation and Interpretation: *11th or 12th grade status and a completed/submitted enrollment application. Fluency in English and one or more other languages.*



Credit 3.0 (1.5/semester)

Credit Types CTE, Elective

College Credit? No

Industry Recognized Certifications: Preparation for Translation or Interpretation Certification

Welding Technology

Students can go into the metalworking industry as a entry-level employee. Metal working is one of the largest industries in the United States students can go into employment building bridges, tunnels, skyscrapers, pipelining system, custom fabricated products, aerospace production and many other products that need to be welded and fabricated in our economy.



You may like this class if you

- have good hand/eye coordination
- are detail-oriented
- are neat and organized
- understand measurements
- like working with your hands
- are good at problem-solving

Area of focus

- Fabricating Projects
- Operating Equipment Safely
- Oxyacetylene Welding
- Cutting
- Shielded Metal Arc Welding
- Braze and Fluxcore Welding
- Ferrous/Non-Ferrous Welding
- Gas Tungsten Arc Welding
- Gas Metal Arc Welding
- Welding Symbols
- Blueprint Reading
- Plasma Arc Cutting

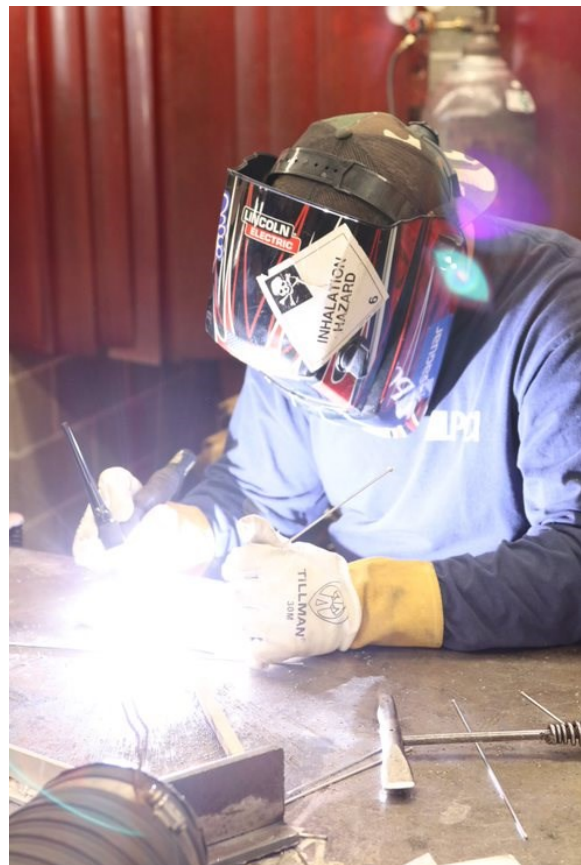
Course Length

One or two years (second year is optional)

Prerequisites

***Welding Technology 1st Year:** *11th or 12th grade status and a completed/submitted enrollment application.*

Welding Technology 2nd Year: *B or better in Welding Technology 1st year, instructor approval, and a completed/submitted*



Credit 3.0 (1.5/semester)

Credit Types CTE, Elective

College Credit? No

Industry Recognized Certifications AWS D1.1 Tack Weld , AWS D1.1 FCAW 3G, ASME Section IX, GMAW Spray 2G (Wagstaff), and WABO FCAW 2G (Metals Fabrication Co.)



Course Descriptions

Animation Tech & Special Effects

Grade 11-12

2 semesters

More and more we see worlds of imagination brought to life in films and on television. Advances in digital techniques lead to virtually limitless creativity. In this course, students will learn the foundations of animation and special effects used in film and video production through a variety of hands-on experiences, demonstrations, and exercises. Students receive daily instruction and time to practice new skills in the elements of videography, stop-motion, 2-D and digital 3-D animation. Topics include: Scripting and Storyboarding; Composition for Film and Videography; Lighting; Non-linear editing; Audio Recording and editing; Motion-Control; 2-D “Cel-type” animation; and 3-D Modeling, rigging and animation. Our class utilizes the most current software from Adobe Creative Cloud and Autodesk Maya. Come learn how to bring your imagination to the screen!

Prerequisites: None

Graduation Requirement Credit: Math, CTE, Elective

Certifications: Precision Exams - Video Production

Automotive Collision Repair 1

Grade 11-12

2 semesters

Automotive Collision Repair 2

Grade 12

2 semesters

This 1080 hr, NATEF-approved, two-year course is designed to inform and instruct students in the basics of auto body repair. Instruction includes theory and techniques related to the process of welding, metal straightening and panel/body alignment on a variety of auto body industry materials including metal, glass and plastic. Students will learn effective customer relations and sales in multiple settings. Estimating damage and repair costs and procedures are key components in this course. The student will be prepared for entry-level employment in the auto body repair industry as an auto body repair technician. The class focuses on academic, technical skills, and employability practices. Students will develop personal and professional skills in the classroom that will transfer to the workplace: with more environmentally friendly paint bases on the horizon, students will learn the newest and greenest applications in the industry.

Automotive Collision Repair 1

Prerequisites: None

Graduation Requirement Credit: CTE, Elective

Certifications: Precision Exams - Collision Repair, SP2 Safety, and SP2 Pollution Prevention

Automotive Collision Repair 2

Prerequisites: B or better in Automotive Collision Repair 1 and instructor approval

Graduation Requirement Credit: CTE, Elective

Certifications: ASE Collision Repair & Refinishing (4 Exams Possible), SP2 Safety, and SP2 Pollution Prevention

Automotive Technology 1

Grade 11-12

2 semesters

Automotive Technology 2

Grade 12

2 semesters

This 1080 hr NATEF/AYES accredited program offers entry-level employment skills for students. The program consists of three phases, each taught by ASE certified technicians with many years of automotive repair and diagnostic experience. Classrooms and shops are equipped with state-of-the-art equipment and training tools. Industry partners offer input regarding the training needs of today’s entry-level technicians. The program also focuses on career readiness skills that are necessary for the student’s professional development. Summer internships and job placement opportunities may be available to top students. A second year of training is available and concentrates on live work and advanced training. NEWTech’s automotive training can lead to other opportunities such as service writer, parts counter person, parts driver, and entry-level maintenance and light repair technician.

Automotive Technology 1

Prerequisites: None

Graduation Requirement Credit: Math, CTE, Elective

Certifications: First Aid, and Automotive Service Excellence (ASE) Certification (10 Exams Possible)

Automotive Technology 1**Grade 11-12****2 semesters**

This 540 hr NATEF/AYES accredited course offers entry-level employment skills for students. The program consists of three phases, each taught by ASE certified technicians with many years of automotive repair and diagnostic experience. Classrooms and shops are equipped with state-of-the-art equipment and training tools. Industry partners offer input regarding the training needs of today's entry-level technicians. The program also focuses on career readiness skills that are necessary for the student's professional development. Summer internships and job placement opportunities may be available to top students. A second year of training is available and concentrates on live work and advanced training. NEWTech's automotive training can lead to other opportunities such as service writing, parts counter person, parts driver, and entry-level maintenance and light repair technician.

Prerequisites: None

Graduation Requirement Credit: Math, CTE, Elective

Certifications: First Aid, and Automotive Service Excellence (ASE) Certification (10 Exams Possible)

Automotive Technology 2**Grade 12****2 semesters**

This 540 hr NATEF/AYES accredited course offers entry-level employment skills for students. The program consists of three phases, each taught by ASE certified technicians with many years of automotive repair and diagnostic experience. Classrooms and shops are equipped with state-of-the-art equipment and training tools. Industry partners offer input regarding the training needs of today's entry-level technicians. The program also focuses on career readiness skills that are necessary for the student's professional development. Summer internships and job placement opportunities may be available to top students. A second year of training is available and concentrates on live work and advanced training. NEWTech's automotive training can lead to other opportunities such as service writing, parts counter person, parts driver, and entry-level maintenance and light repair technician.

Prerequisites: B or better in Automotive Technology 1 and instructor approval

Graduation Requirement Credit: CTE, Elective

Certifications: First Aid, and ASE Certification (10 Exams Possible)

Construction Technology 1**Grade 11-12****2 semesters**

In this 540 hr course (Year 1 and 2) students learn the fundamentals of design, estimating, and the construction of structures using carpentry tools and equipment to industry standards. Carpenters find work in union and nonunion operated organizations. An apprentice carpenter advances to the Journeyman level over four years and salary increases dependent on time served and skills mastered. Within four years of entering this trade, wages can exceed \$39 per hour. Carpenters who achieve a high level of skill are people-oriented, develop a good business sense and can become self-employed contractors. In addition to carpentry, students will be exposed to a variety of construction trades and career opportunities. The class focuses on academic, technical skills, and employability practices. Students will develop personal and professional skills in the classroom that will transfer to the workplace.

Prerequisites: None

Graduation Requirement Credit: Math, CTE, Elective

Certifications: OSHA 10, CPR/First Aid, Forklift, and Pneumatic Tools

Construction Technology 2**Grade 12****2 semesters**

In this 540 hr course (Year 1 and 2) students learn the fundamentals of design, estimating, and the construction of structures using carpentry tools and equipment to industry standards. Carpenters find work in union and nonunion operated organizations. An apprentice carpenter advances to the Journeyman level over four years and salary increases dependent on time served and skills mastered. Within four years of entering this trade, wages can exceed \$39 per hour. Carpenters who achieve a high level of skill are people-oriented, develop a good business sense and can become self-employed contractors. In addition to carpentry, students will be exposed to a variety of construction trades and career opportunities. The class focuses on academic, technical skills, and employability practices. Students will develop personal and professional skills in the classroom that will transfer to the workplace.

Prerequisites: B or better in Construction Technology 1 and instructor approval

Graduation Requirement Credit: CTE, Elective

Certifications: Forklift, and Pneumatic Tools

Cosmetology 1 (Hair Design)**Grade 11- 12****2 semesters**

This 540 hr course (Year 1 and 2) will supply students with basic salon operation, hair cutting, styling and coloring techniques. Students will record their hours as they work toward Washington State Hair Design certification. This program prepares students for a career in the cosmetology industry and helps to ready students for the State licensing exam.

Prerequisites: None

Graduation Requirement Credit: CTE, Elective

Certifications: Obtain and apply hours toward the 1400 hrs. required to take the WA Hair Design Certificate Exam

Cosmetology 2 (Hair Design)**Grade 12****2 semesters**

This 540 hr course (Year 1 and 2) will supply students with basic salon operation, hair cutting, styling and coloring techniques. Students will record their hours as they work toward Washington State Hair Design certification. This program prepares students for a career in the cosmetology industry and helps to ready students for the State licensing exam.

Prerequisites: B or better in Cosmetology 1 and instructor approval

Graduation Requirement Credit: CTE, Elective

Certifications: Obtain and apply hours toward the 1400 hrs. required to take the WA Hair Design Certificate Exam

Criminal Justice 1 (Law Enforcement)**Grade 11-12****2 semesters**

This 1080 hr course (Year 1 and 2) prepares students for a career in public and private investigative fields. Understand the criminal justice system, investigate crimes, and improve decision-making skills. Develop a working relationship with industry standard representatives and set a pathway towards your career goals and objectives. The class focuses on academic, technical skills, and employability practices. Students will develop personal and professional skills in the classroom that will transfer to the workplace.

Prerequisites: None

Graduation Requirement Credit: CTE, Elective

Certifications: Precision Exams - 21st Century Skill

Criminal Justice 2 (Law Enforcement)**Grade 12****2 semesters**

This 540 hr course (Year 1 and 2) prepares students for a career in public and private investigative fields. Understand the criminal justice system, investigate crimes, and improve decision-making skills. Develop a working relationship with industry standard representatives and set a pathway towards your career goals and objectives. The class focuses on academic, technical skills, and employability practices. Students will develop personal and professional skills in the classroom that will transfer to the workplace.

Prerequisites: B or better in Criminal Justice 1 and instructor approval

Graduation Requirement Credit: CTE, Elective

Certifications: None

Culinary Arts 1**Grade 11-12****2 semesters**

In this 540 hr course (Year 1 and 2) students train in our well-equipped kitchen to prepare stocks, cuts of meat, poultry and seafood utilizing a variety of cooking methods. You will work in various positions in the restaurant and hospitality environments while preparing for your career and future college education. The class focuses on academic, technical skills, and employability practices. Students will develop personal and professional skills in the classroom that will transfer to the workplace.

Prerequisites: None

Graduation Requirement Credit: Science, CTE, Elective

Certifications: Food Handler's Permit, and Precision Exams - Foods and Culinary

Culinary Arts 2**Grade 12****2 semesters**

This 540 hr course (Year 1 and 2) prepares students for Students train in our well-equipped kitchen to prepare stocks, cuts of meat, poultry and seafood utilizing a variety of cooking methods. You will work in various positions in the restaurant and hospitality environments while preparing for your career and future college education. The class focuses on academic, technical skills, and employability practices. Students will develop personal and professional skills in the classroom that will transfer to the workplace.

Prerequisites: B or better in Culinary Arts 1 and instructor approval Graduation Requirement

Credit: CTE, Elective

Certifications: Mandatory Alcohol Server Training

Drone Manufacturing and Aviation Science**Grade 11-12****2 semesters**

Interested in a career with unlimited possibilities? Do you like to design and build things? The 540 hr Drone Manufacturing program may be right for you. Prepare for two of the fastest growing industries including manufacturing and unmanned aviation. In this program you will learn how to:

- Design, manufacture and assemble a drone using Core+ manufacturing curriculum
- Become FAA certified as an unmanned aviation pilot
- Work with industry professionals

Prerequisites: None

Graduation Requirement Credit: CTE, Elective

Certifications: OSHA 10, CPR/First Aid, FAA Unmanned Aviation pilot

This course may not be repeated—second year options: Construction Technology, Energy and Power or Welding

Energy and Power**Grade 11-12****2 semesters**

In this 540 hr course, students analyze energy sources and explore the generation, transmission, and distribution of electricity using the Energy Industry Fundamentals modules from the Center for Energy Workforce Development (CEWD). The purpose of this course is to ensure that potential workers gain an understanding of the energy industry and the electrical trades as a prerequisite to occupation-specific training. It also ensures that they gain an understanding of the careers available in the energy industry (public utilities) and the electrical trades, as well as the education and training to enter and advance in those careers. The course provides math, science, and technical writing skills through hands-on application. Students have an opportunity to take the Energy Industry Fundamentals Certificate Assessment.

Prerequisites: None

Graduation Requirement Credit: CTE, Elective

Graphic Design and Digital Arts 1**Grade 11-12****2 semesters**

This 540 hr course (Year 1 and 2) allows students to learn about a variety of careers within the Graphic Design field and demonstrate basic technical skills required of a Graphic Designer. In this course, students will have the opportunity to show off their creative and artistic talents using the same advanced software and techniques as industry professionals. Students will design and produce dynamic marketing projects using the Adobe Master Suite and use 3D animation and advanced techniques to deliver bold visual communications. An additional emphasis is placed on work readiness, interpersonal communication, problem solving skills, and professionalism in the workplace. Students have the opportunity to earn college credits through Spokane Falls Community College.

Prerequisites: None

Graduation Requirement Credit: Art, CTE, Elective

Certifications: Precision Exams - Desktop Publishing

Graphic Design and Digital Arts 2**Grade 12****2 semesters**

This 540 hr course allows students to learn about a variety of careers within the Graphic Design field and demonstrate basic technical skills required of a Graphic Designer. In this course, students will have the opportunity to show off their creative and artistic talents using the same advanced software and techniques as industry professionals. Students will design and produce dynamic marketing projects using the Adobe Master Suite and use 3D animation and advanced techniques to deliver bold visual communications. An additional emphasis is placed on work readiness, interpersonal communication, problem solving skills, and professionalism in the workplace. Students have the opportunity to earn college credits through Spokane Falls Community College.

Prerequisites: B or better in Graphic Design and Digital Arts 1 and instructor approval

Graduation Requirement Credit: CTE, Elective

Certifications: None

Pre-Dental Assisting 1**Grades 11, 12****2 semesters**

Program Description: This 1080-hour course (Year 1 and 2) provides students preparation and internship for students who aspire to be dental assistants, dental hygienists, and dentists. Acquire chair-side assisting skills, laboratory, and x-ray capabilities. Qualified students may earn state certification in radiation safety and infection control. Dental Assisting is in demand and is one fast growing profession, there are many dental pathways. There is a demand for Dental Assistants, both at entry-level and as skills and experience advance. Assistants may progress in the occupation by becoming a Certified Dental Assistant CDA, Expanded Function Dental Auxillary EFDA, Orthodontic Assistant (OA), Dental Sedation Assistant (DSA), Hygienist, Lab Technician, or a Dentist.

Prerequisite(s):

Year One Course - Junior or Senior standing

Year Two Course - B or better in Year 1 course and instructor's approval

Certifications: Healthcare Provider CPR/First Aid, Bloodborne Pathogens (7-hours HIV/AIDS), HIV Certificate, 21st Century Professionalism Certificate (Precision Exams), Registered Dental Assistant (RDA). The WA State Department of Health requires a valid social security number to obtain licensure in the state, Health Information Portability Accountability Act (HIPAA) training, and Precision exam: Dental Sciences 1